



Construction Testing & Engineering, Inc.

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September 16, 2016
Revised May 25, 2017

CTE PR No. 10-13131E

Mr. Richard Bagley

C/O: Civil Landworks
Attention: Mr. David Caron
110 Copperwood Way, Suite P
Oceanside, California 92058

Via Email: dave@civillandworks.com

Subject: Response to County of San Diego Planning and Development Services
Environmental Comments
Parcels 1-4 (inclusive) TPM 17431 and Parcels 1 and 4 TPM 19618
Rancho Santa Fe, California
Grade Plan Change; PDS2014-LDPCHG-00072

Mr. Bagley:

Construction Testing and Engineering, Inc. (CTE) is pleased to provide Mr. Richard Bagley this Limited Phase 2 Environmental Site Assessment response to the environmental comments presented in the County of San Diego Planning and Development Services (SDPDS) letter dated May 2, 2016. This work was authorized by Mr. Bagley via CTE proposal E-0511, dated May 26, 2016.

References, including documents pertinent to the work presented herein are provided in Appendix A; exploration summary logs are provided in Appendix B; and, laboratory results are presented in Appendix C. Figure 1 shows the general site location, and Figure 2 shows the site layout and the approximate exploration locations. Tables and Normal Probability Plots are also attached.

This report is revised per clarification and errata comments provided by Mr. Richard Bagley on May 9, 2017. The clarification and errata comments are provided in the text of this report and itemized in Appendix D.

1.0 EXECUTIVE SUMMARY

Based upon the field and laboratory information, in combination with CTE's understanding of site conditions, the site is not considered to be contaminated by the import fill soil. Following is a presentation of data and analyses that leads to this conclusion. This report should be read in its entirety as this Executive Summary is brief summary of pertinent information.

The subject site is a bulk graded six detached single lot residential development in the Rancho Santa

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Fe area of San Diego County. The project was graded between December 2013 and June 2014. The SDPDS issued a letter dated May 2, 2016 that required an environmental evaluation of fill soil imported to the site. This SDPDS letter presented the required sampling protocol and analytical methods. A County of San Diego letter dated May 17, 2016 was evaluated to indicate 7,816 cubic yards of soil had been imported to the project site. The distribution of import fill soil and native derived fill was attested to by Mr. Bagley.

The implemented sample quantity was through reference to Regional Water Quality Control Board Region 9 (San Diego area) Conditional Waiver 10 of their Order R9-2014-0041 as applied to the entire fill mass (import and native derived fill) volume of 29,811 cubic yards resulting in 54 samples to be analyzed by the laboratory. The initial sampling included 28 soil borings to log and collect 119 soil samples. The 54 samples for laboratory analyses were selected from each of the six parcels by a random number generator with a minimum of eight samples per lot. These samples were analyzed by the laboratory to quantify, if within reporting limits, chemical constituents related to total petroleum hydrocarbons, organochlorine pesticides, and polynuclear aromatic hydrocarbons. The laboratory also quantified the presence of California Title 22 Metals, as within the laboratory reporting limits, per the SDPDS May 17, 2016 letter. Subsequently, five of the initially collected samples within import fill soils were analyzed for total arsenic concentration. Additionally, a grab sample from each of two import fill soil piles that are located on Parcels 4 of TM 17341 (APN 267-145-34), and at one location on Parcel 2 of TM 17341 (APN 267-45-32) were collected. These three samples were analyzed by the laboratory according to the SDPDS requirements. Thirteen test pits were advanced on Parcel 4 of TM 17341 (APN 267-145-34) after the initial sampling event and grab sample event to collect 26 samples for laboratory analyses to quantify the presence of arsenic in near (within three feet) pad grade soils.

The laboratory did not quantify the presence of chemical constituents in any of the initially collected samples. The laboratory quantified the presence of low concentrations of polynuclear aromatic hydrocarbons in one stockpile sample and petroleum hydrocarbons in one near surface sample on Parcel 2 of TM 17341 (APN 267-145-32). These two samples were collected at less than one foot below surface grade, and considered to be typical of near surface soils exposed to construction activities to include the recently conducted drilling activities.

The laboratory quantified California Title 22 metal concentrations, except arsenic, to be below regulatory risk values presented by the California Department of Toxic Substance Control and USEPA. Arsenic in soil concentrations for both import fill and native derived fill were evaluated to be above the very low cancer risk values as typical for many soils in the southwestern United States. A statistical evaluation indicated that the import fill soil was at lower arsenic concentrations than the native derived fill soil. Normal Probability Plots were performed due to a relatively wide variation or arsenic concentrations in the native derived fill soil. These plots indicated the presence of an outlier value in portions of the Parcel 4 TM 17341 (APN 267-145-34) native derived fill soil arsenic concentrations. This outlier is considered to be associated with site formational soils derived from areas of metasedimentary and metavolcanic rocks that underlie the area to include Black Mountain where a historic (1920s) arsenic mine is located.

2.0 BACKGROUND

The subject site is planned to support six detached single residential parcels in the Rancho Santa Fe area of San Diego County. Parcel 1 (APN 267-146-05) and Parcel 2 (APN 267-146-08) of Tentative Map (TM) 19618 are located on the west side of Rio Vista Drive at Artesian Road, and Parcels 1 through 4 (inclusive) of Tentative Map 17341 (APN 267-145-31, APN 267-145-32, APN 267-145-33, APN 267-145-34, respectively) are northeast of Camino Lima and Artesian Road. All of these parcels are bulk graded to support a single residential pad except for Parcel 1 of TM 19618 (APN 267-146-05) that shows two residential pads. The site was bulk graded between December 2013 and June 2014 according to Allied Earth Technology (February 8, 2016) who performed geotechnical testing services pertinent to site grading. CTE understands the County of San Diego, Planning & Development Services, Project Planning Division (May 2, 2016) required an environmental evaluation of fill soil imported to the site. Grading to achieve final grades could not be completed until a “Limited Phase II Environmental Site Assessment” was implemented as per the County document. The May 2, 2016 County document specified that import fill be evaluated by soil sampling and the target analytes were to consist of pesticides, petroleum, Title 22 metals, and burn ash [(constituents of concern, (CoC)]. The results of the laboratory analyses were to be compared to regulatory standards. The County letter is attached in Appendix A of this report. CTE understands that Mr. Richard Bagley attests that subject import fill soil was placed on the project as follows:

- 1) Top six feet on the smaller building (north) pad of Parcel 1 west of Rio Vista Road (APN 267-146-05) for an approximate total of 1936 cubic yards (CY).
- 2) Top three feet of the larger building (south) pad on Parcel 1 west of Rio Vista Road (APN 267-146-05) for an approximate 2516 CY.
- 3) Mound around the perimeter of the building pad of Parcel 4 off Rio Vista Road (APN 267-146-08) for an approximate 150 CY.
- 4) Top two feet of the fill on Parcel 2 pad north of Artesian Road (APN 267-145-32) for an approximate 1700 CY.
- 5) Top two feet of the fill on Parcel 3 pad north of Artesian Road (APN 267-145-33) for an approximate 1364 CY.
- 6) Stockpiles on Parcel 4 pad north of Artesian Road (APN 267-145-34) for an approximate 150 CY.

Total import quantity is 7,816 CY as per the County of San Diego “Notice of Public Meeting” dated May 17, 2016 attached in Appendix A.

3.0 FIELD INVESTIGATION

The field investigation was conducted at three discrete time intervals and included soil borings, grab samples and shallow test pits. The field explorations were observed and sampled by a State of California Professional Geologist. A table format of the boring and test pit logs is provided in Appendix B. Following is a brief discussion of the three sample events.

Soil borings were placed on the project between June 22 and June 24, 2016 (inclusive). At the time of the field investigation the site was observed to consist of bulk, rough graded pads with attendant cut and/or fill slopes. A total of four borings were placed at roughly equidistant points on each parcel, excepting Parcel 1 of Tentative Map 19618 (APN 267-146-05) where eight borings were placed as this parcel contained two separate building pads. One of the four borings on each parcel was placed on a graded slope, except Parcel 1 of Tentative Map 19618 where two borings were placed on graded slopes. The borings were placed in fill areas as designated by the project plans as attached in Figure 2 that also shows boring locations. A total of 28 soil borings were advanced. The soil borings were sampled on 18-inch intervals until firm native soils were encountered. A total of 119 samples were collected by this process.

Three grab samples were collected on July 28, 2016. Two of these samples were collected from stockpiles on Parcel 4 north of Artesian Road (APN 267-145-34) as a basis of one sample per stockpile. The remaining sample was collected near surface on Parcel 2 north of Artesian (APN 267-145-32). These samples were collected within one foot of surface grade.

A total of thirteen test pits were advanced on August 25, 2016 to collect samples at Parcel 4 near Artesian Road (APN 267-145-34). Two samples were collected from each test pit at an interval of one and two and one-half feet below the existing ground surface. As a result, a total of 26 samples were collected.

The total number of 148 samples were collected by these multiple field events.

The soil borings and test pits encountered silty to clayey sand fill soils. There were no observed or detected visual or olfactory indications of staining or odorous soils in the drill cuttings or collected samples. The borings and test pits were terminated in very dense cobble to boulder conglomerate bedrock of the Cretaceous geologic age Lusardi Formation (Kennedy and Tan, 2005). Groundwater was not observed in any of the soil borings or test pits. Surface seepages or springs were not observed at the project site. The stockpiles on Parcel 4 TM 17341 (APN 267-145-34) were of dissimilar materials; the west stockpile was composed of poorly graded medium grained sand with seashells and the east stockpile was composed of clayey to silty sand with surrounded gravel and cobbles. A stockpile of road base material was between the two stockpiles, and was not sampled due as it being a manufactured product.

The samples were collected in conformance with standard environmental protocol as per the County of San Diego, Department of Environmental Health "Site Assessment Mitigation Manual" (SAM

Manual). The drill rig driven samples were collected in unused inert stainless metal tubes that were capped by Teflon patches, and in turn covered by inert plastic caps. Each sample was then placed in a clear plastic bag. Sample tools and sample tubes were washed with non-phosphate soap solution and double rinsed with distilled water. The two stockpile samples, near surface sample on Parcel 2 north of Artesian (APN 267-145-32), and test pit samples were directly placed into unused eight ounce glass containers provided by the laboratory. Each sample was assigned a unique number based upon the boring number and sample depth. All samples were logged in a chain of custody document. The samples were shipped via courier to Enthalpy Analytical, Inc., a laboratory accredited to perform such services in California. Enthalpy Analytical, Inc., in turn subcontracted several of the analyses to SunStar Laboratories, Inc., or Curtis and Thompkins, Ltd. who are also qualified to perform analytical services in California.

4.0 SAMPLE METHODOLOGY

It is understood from the County of San Diego, Planning & Development Services Notice of Public Meeting dated March 17, 2016 (attached in Appendix A) that a total fill volume at the site of 29,811 cubic yards (CY) was combined from that planned (17,250 CY), an additional 4,745 CY on site excavation, and 7,816 CY of import to the site. The project methodology for samples collected by the soil borings was based upon reference to the Regional Water Quality Control Board, Region 9 (San Diego area) for the sample quantity as per Conditional Waiver 10 of their Order No. R9-2014-0041, dated June 26, 2014. Conditional Waiver 10 specifies a sample frequency of one sample per 25 cubic yards of soil up to 500 cubic yards with one sample per 500 cubic yards thereafter up to 5000 cubic yards, and one sample per 1,000 yards thereafter. As a result, a total of 54 samples were necessary to cover the total fill volume of 29,811 CY. The entire fill volume was evaluated so as to allow a comparison of the import fill soil (7,816 CY) as comparative to fill soil generated from on site materials (21,995 CY)

As required by the County, constituents of concern (COC) are as follows:

- Total petroleum hydrocarbons (full range) by EPA 8015 mod.
- Organochlorine pesticides by EPA 8081
- Polynuclear Aromatic Hydrocarbons (for burn ash residuals) by EPA 8310C
- California Title 22 Metals by EPA 6010B/7471A

A total of 54 out of the 119 initially collected samples were analyzed to cover the total site fill volume. The number of samples to be analyzed from each parcel was equilibrated by the percentage of samples collected on each parcel as related to the total number of samples collected. In the case of Lot 1 of Tentative Map 19618 (APN 267-146-05) a total of eight borings were placed, which is in excess of the four borings placed on all other parcels, thereby overweighting the overall data set toward this parcel. As a result, only four of the geographically distant borings on Lot 1 (APN 267-146-05) were utilized to equilibrate the data set to a total of 104 samples in lieu of the 119 samples actually collected (that is 15 samples from Lot 1 APN 267-146-05 were discounted). A

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minimum of eight samples from each parcel were selected for analyses. Based upon the weighted percentage, the minimum number of samples to be collected from each parcel is as follows:

- Parcel 1 Tentative Map 19618 (APN 267-146-05)-eight samples
- Parcel 4 Tentative Map 19618 (APN 267-146-08)-eight samples
- Parcel 1 Tentative Map 17341 (APN 267-145-31)-eight samples
- Parcel 2 Tentative Map 17341 (APN 267-145-32)-eleven samples
- Parcel 3 Tentative Map 17341 (APN 267-145-33)-eleven samples
- Parcel 4 Tentative Map 17341 (APN 267-145-34)-eight samples

There were more samples than the selected number of samples to be analyzed on each lot. As such, a random number generator was utilized to select the required number of samples on a per lot basis.

Additionally, five samples collected in the initial sample event as within the reported import fill soils that were not analyzed earlier were selected for analyses to quantify the total concentration of arsenic. These samples were located on:

- Parcel 1 Tentative Map 19618 (APN 267-146-05) two samples from small pad, one sample from large pad.
- Parcel 2 Tentative Map 17341 (APN 267-145-32) two samples.
- Parcel 3 Tentative Map 17341 (APN 267-145-33) one sample.

Judgmental sampling of import soil was performed on July 28, 2016. A single sample was collected from each of two stockpiles (two samples total) on Parcel 4 north of Artesian Road (APN 267-145-34). The remaining sample was collected near surface on Parcel 2 north of Artesian (APN 267-145-32). These shallow samples were collected within one foot of surface grade.

Sampling was performed on August 25, 2016 to evaluate the upper two feet of Parcel 4 north of Artesian Road (APN 267-145-34) as this soil interval was most likely to be disturbed by future site development. This sampling was performed on a regular basis of one and two and one-half feet intervals. A total of 26 samples (two samples per 13 test pits) were collected by this methodology.

5.0 LABORATORY ANALYTICAL RESULTS

Laboratory testing for the initial and judgmental samples included the following analyses.

- Total petroleum hydrocarbons (full range) by EPA 8015 mod.
- Organochlorine pesticides by EPA 8081
- Polynuclear Aromatic Hydrocarbons (for burn ash residuals) by EPA 8310C
- California Title 22 metals by EPA Method 6010B/7471A

Laboratory analytical results are provided in attached Appendix C. The results for chemical constituents were laboratory non-detect for all samples, except for two judgmental samples collected on July 28, 2016. One of the judgmental samples collected from the east stockpile (STK/EAST) yielded a low concentration of the polynuclear aromatic hydrocarbon (PAH) benzo(b)fluoranthene at a concentration of 6.6 micrograms per kilogram (ug/kg). The other judgmental sample B28A@1' yielded a relatively low concentration of 210 milligrams per kilogram (mg/kg) of petroleum hydrocarbons in the motor oil range (C29-C40). All samples collected on July 28, 2016 yielded concentrations of several of the 17 metals as quantified by California Title 22 metals (EPA Method 6010B/7471A).

The six samples collected in the initial sample event within the reported import fill soils that were not analyzed earlier were selected for analyses to quantify the total concentration of arsenic (see preceding Section 3).

Additionally, the 26 samples collected on August 25, 2016 were only analyzed for total concentration arsenic. Attached Table 1, Arsenic Concentrations provides the results for the quantified arsenic concentrations in all analyzed samples. Table 1 also indicates if the sample was collected from fill or native soils. See following Section 5.0 for discussion of laboratory analytical results including arsenic concentrations (Section 5.2) as depicted on Table 1.

6.0 DATA ANALYSIS AND CONCLUSIONS

6.1 General

Following is an analysis of data collected as a response to the County of San Diego May 2, 2016 letter (attached in Appendix A). These data include:

- 1) Reference to selected technical documents.
- 2) Review of regional geologic conditions.
- 3) Observations of site and adjacent property geologic conditions.
- 4) Advancing 29 soil borings and thirteen test pits.
- 5) Collecting and geologically evaluating a total of 148 soil samples.
- 6) Laboratory analyses of 57 samples for total petroleum hydrocarbons, organochlorine pesticides, polynuclear aromatic hydrocarbons and California Title 22 Metals.

- 7) Laboratory analyses of 31 samples for total concentration arsenic.

6.2 Laboratory Quantified Chemical Concentrations

Two of the 57 samples analyzed by the laboratory yielded low concentrations of chemical compounds. One of the judgemental samples collected from the east stockpile (STK/EAST) yielded a low concentration of the polynuclear aromatic hydrocarbon (PAH) benzo(b)fluoranthene at a concentration of 6.6 micrograms per kilogram (ug/kg). The other judgemental sample B28A@1' yielded a relatively low concentration of 210 milligrams per kilogram (mg/kg) of petroleum hydrocarbons in the motor oil range (C29-C40).

Based on the near surface location of the samples CTE concludes the quantified concentrations are typical artifacts of near surface vehicle activities including the recent drilling activities. The PAH value is likely due to unburned fuel exhaust products typical of a vehicle activity at a construction site. The motor oil range petroleum hydrocarbon results are likely due to the mechanized drill equipment utilized to collect the previous sample from Boring B-28, which was within a few feet of Sample B28A@1'. All of these samples were collected within one foot of surface grade. It is noted that 16 import fill soil samples collected at or below a depth of one foot were not reported by the laboratory to contain chemical constituents to include, but not limited to, PAHs and petroleum hydrocarbon constituents.

6.3 Laboratory Quantified Metal Concentrations

The laboratory report presents values to indicate California Title 22 Metals, with the exception of arsenic, were below the regulatory values of concern. The samples yielded concentrations of arsenic above the DTSC HERO Note 3 (May 2015) regulatory guideline for soils in a residential scenario of 0.11 milligrams/kilogram (mg/kg). The US EPA Region 9 Regional Screening Levels (RSLs) dated May 2016 show an arsenic cancer risk in a residential setting as 0.68 mg/kg.

It is not unusual for arsenic to be at concentrations greater than these values in the southwestern United States. As an example, the Kearney Foundation (1996) evaluated background concentrations of trace elements in soils in California. Three of their samples were in the San Diego area with location and results as:

- Location -117°13' longitude; 32°54'latitude=11.0 mg/kg
- Location -116° 47' longitude; 32°49'latitude=0.6 mg/kg
- Location -116° 54' longitude; 32°43'latitude=10.4 mg/kg

The document entitled "Determination of a Southern California Regional Arsenic Concentration in Soil" (undated) by Chernoff et. al. of the California Department of Toxic Substance Control (DTSC) evaluated background concentrations of arsenic in southern California. Their statistical analyses were based upon arsenic concentrations from samples collected at 19 school sites in Los Angeles County that was further validated by 52 (total) school sites in southern California including three in

San Diego. The results indicated arsenic concentrations ranging between 0.15 and 19.63 mg/kg and an upper bound limit for naturally occurring arsenic as 12 mg/kg. Chernoff et. al. suggest an upper bound value of 12 mg/kg as a presumptive screening level for arsenic. The document is not considered to be a DTSC arsenic guidance document.

However, a historic arsenic mine at Black Mountain at an approximate 200 feet higher elevation and about three miles southeast of the site. The arsenic mine was operated in the 1920s, and exported up to approximately 700 pounds of material containing 31.4 percent arsenic. The arsenic occurred as arsenopyrite, and was distributed within fractures and as seams in quartzite of the Black Mountain volcanic group (currently termed as undivided metasedimentary and metalvolanic rocks as per Kennedy and Tan, 2005). The subject site is underlain by the Lusardi Formation that is a fanglomerate that received soils and rock fragments from higher land areas such as Black Mountain where a historic arsenic mine is located. Additionally, Kennedy and Tan (2005) map the metasedimentary rocks as outcropping within approximately 0.45 miles to the southeast of the subject site. As such, it is reasonable the subject site soils contain arsenic bearing soils and rock fragments reportedly associated with the Mesozoic metasedimentary rocks which could be at higher concentrations compared to typical arsenic concentrations in southern California.

The quantified concentrations for the import fill soil and native fill soil are statistically evaluated on attached Table 2 that shows the import fill soil to possess lower arsenic concentrations comparative to the native soil. It was noted that Parcel 4 of Tentative Map TM 17341 (APN 267-145-34) biased the native soil arsenic statistical results with arsenic concentrations elevated above the other five parcels.

Normal probability plots were performed to further evaluate the import soils' arsenic concentrations comparative to native derived natural occurring background concentrations. The normality plots are attached and discussed as follows:

- Normal Probability Plot 1 shows all import fill soil arsenic concentration and native derived fill soil arsenic concentrations. The plots show the import fill soil to have a consistently lower arsenic concentration plot comparative to the native derived fill soil plot. The import fill soil values depict a normal distribution. Whereas, the natural derived fill soil plot appears to depart from a normal distribution due to higher concentrations of arsenic on Parcel 4 of TM 17341. Arsenic concentrations including Parcel 4 of TM 17341 are shown on Table 1 and arsenic concentration values shown for reference on Normal Probability Plot 1.
- Normal Probability Plot 2 isolates Parcel 4 TM 17341 from the remaining parcels. This plot shows a close normal probability plot comparison of the import fill soil and native derived fill soil without Parcel 4 of TM 17341. Additionally, an outlier inflection value of 11.7 mg/kg arsenic can be interpreted from this plot. The outlier inflection line as extrapolated to Parcel 4 TM 17341 indicates values of 13.4 mg/kg and greater to be outliers from a normality.

- Normal Probability Plot 3 isolates the arsenic concentration values of 13.7 mg/kg or greater outlier of Parcel 4 from the remaining native derived fill soil and import fill soil. This plot shows a close relationship of the import fill soil and native derived fill soil.

CTE concludes from the statistical analyses shown on Table 2, and the attached Normal Probability Plot 2 and Normal Probability Plot 3, with consideration of the Parcel 4 TM 17341 outlier, that the import fill soil arsenic concentrations closely match the native derived fill soil arsenic concentrations.

7.0 FINDINGS

CTE finds that the site import soil as delivered to the site are not contaminated with chemical constituents or elevated concentrations of metals as analyzed under SDPDS requirements. The import fill soil match or have lower arsenic concentrations comparative to fill soils derived from on site sources. The Parcel 4 TM 17341 arsenic outlier is considered to be naturally occurring, and typical of the area due to the site being underlain by soils likely derived from metasedimentary and metavolcanic areas to include nearby Black Mountain where a historic (1920s) arsenic mine is located.

8.0 CLOSING

CTE's findings are based on an understanding of site conditions and reference to selected documents in combination with advancing 29 soil borings and 13 test pits, collection of 148 soil samples, and laboratory analyses of 58 collected soil samples as presented herein.

This report is prepared in accordance with current practice and the standard of care exercised by reputable consultants performing similar tasks in this area. No other warranty, expressed or implied, is made regarding the conclusions, recommendations and opinions expressed in this report. No other parties than addressed herein can rely on this report. CTE should be notified of any variations between this report and actual conditions. It is CTE's discretion to modify this report based upon such variations.

The opportunity to present this proposal is appreciated and we look forward to working with you.

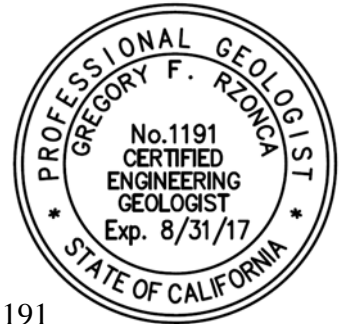
Respectfully submitted,
CONSTRUCTION TESTING & ENGINEERING, INC.



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GFR/DTM:nri

Distribution: (3) Mr. Richard Bagley, manual pickup
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Attachments:

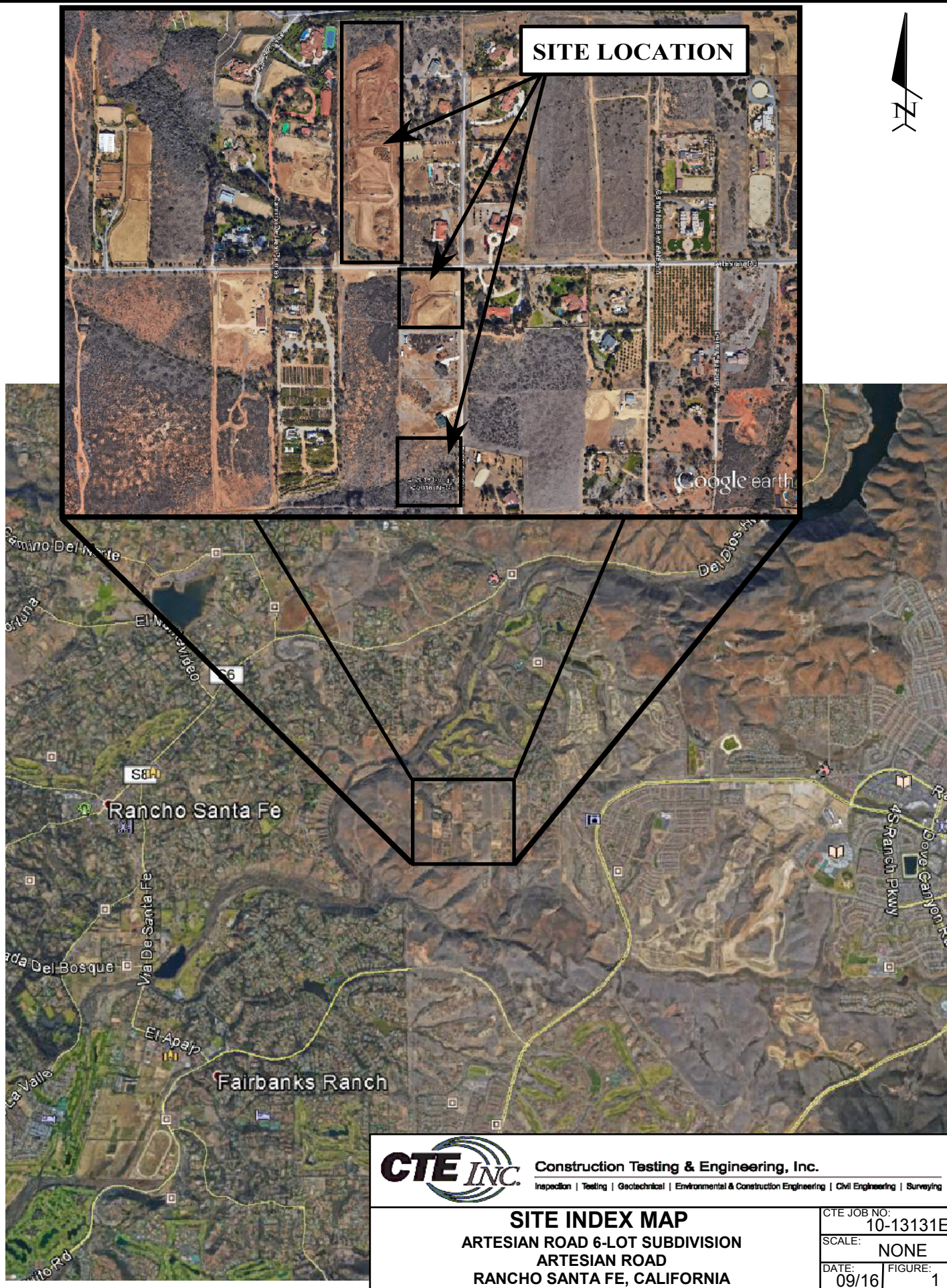
Figure 1 Site Index Map
Figure 2 and 2A Exploration Location Map

Table 1 Arsenic Concentrations
Table 2 Arsenic Statistical Values
Normal Probability Plots 1 through 3 (inclusive)

Appendix A References
Appendix B Boring Logs
Appendix C Laboratory Analytical Results (on attached CD)
Appendix D Clarification and Errata



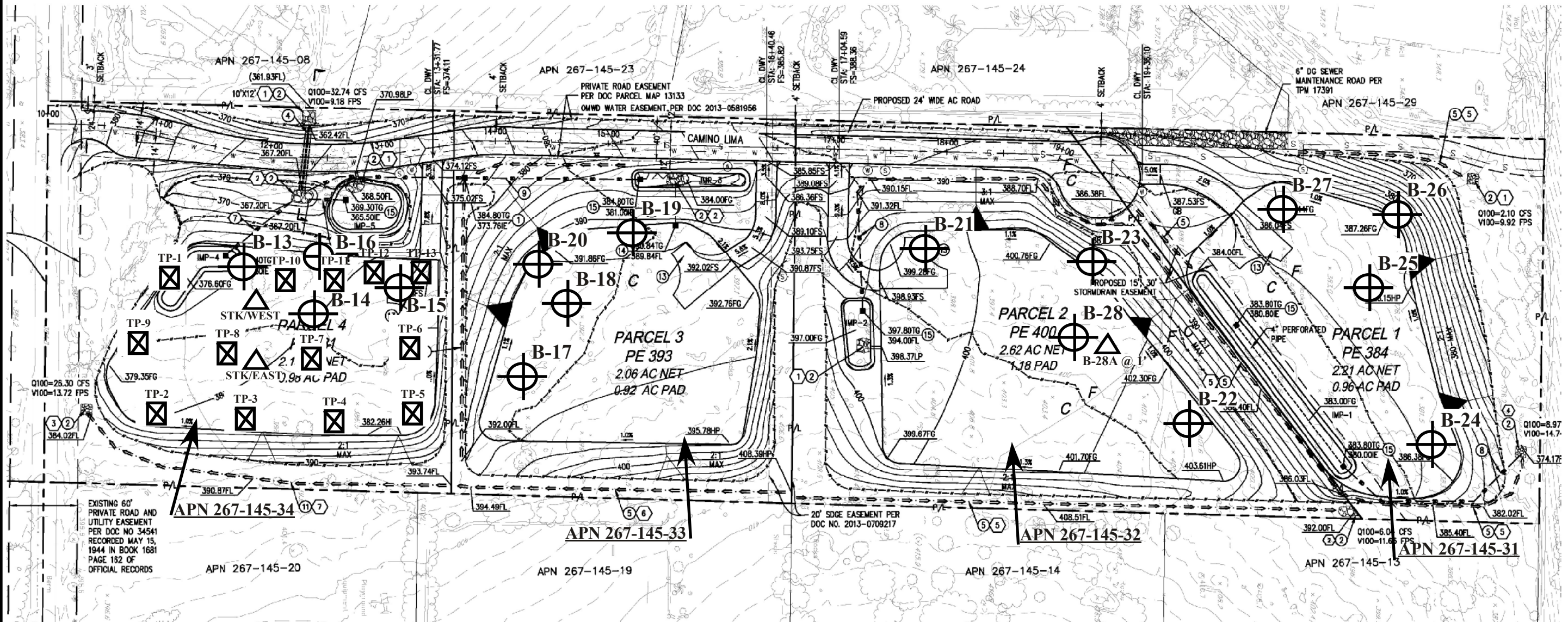
SITE LOCATION



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SITE INDEX MAP
ARTESIAN ROAD 6-LOT SUBDIVISION
ARTESIAN ROAD
RANCHO SANTA FE, CALIFORNIA

CTE JOB NO: 10-13131E	
SCALE: NONE	
DATE: 09/16	FIGURE: 1



LEGEND

- TP-1
[Symbol] APPROXIMATE TEST PIT LOCATION
- B-1
[Symbol] APPROXIMATE BORING LOCATION
- [Symbol] APPROXIMATE GRAB SAMPLE LOCATION



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EXPLORATION LOCATION MAP
ARTESIAN ROAD 6-LOT SUBDIVISION
ARTESIAN ROAD
RANCHO SANTA FE, CALIFORNIA

CTE JOB NO: 10-13131E

SCALE: NONE

DATE: 09/16 FIGURE: 2

TABLE 1			
ARSENIC CONCENTRATIONS			
Sample Number@ Depth	Location	Import	Arsenic (mg/kg)
B-1@1.5'	Parcel 1 (Rio Vista) APN267-146-05 (small pad)	X	5.83
B-1@3'		X	8.46
B-1@4.5		X	9.11
B-2@1.5'		X	4.55
B-2@3'		X	6.61
B-2@4.5'		X	7.75
B-6@1.5'	Parcel 1 (Rio Vista) APN267-146-05 (large pad)	X	4.65
B-6@3.0'		X	2.2
B-6@4.5'			2.29
B-7@1.5'		X	4.1
B-7@3.0'		X	8.14
B-9@1.5'	Parcel 4 (Rio Vista) APN267-146-08		3.49
B-9@3.0'			5.62
B-9@4.5			4.1
B-9@6'			3.63
B-9@7.5'			4.14
B-9@10.5'			4.04
B-11@3'			2.82
B-12@1.5'			3.26
B-13@1.5'	Parcel 4 (Artesian) APN 267-145-34		7.06
B-13@3.0'			15.3
B-13@6'			21.2
B-14@4.5'			6.38
B-15@1.5'			9.44
B-15@4.5'			41
B-15@6'			6.18
B-16@1.5'			13.6
TP-1 @ -1.0'			14.0
TP-1 @ -2.5'			11.3
TP-2 @ -1.0'			16.8
TP-2 @ -2.5'			6.07

TABLE 1			
ARSENIC CONCENTRATIONS			
Sample Number@ Depth	Location	Import	Arsenic (mg/kg)
TP-3 @ -1.0'	Parcel 4 (Artesian) APN 267-145-34		11.1
TP-3 @ -2.5'			8.26
TP-4 @ -1.0'			16.3
TP-4 @ -2.5'			5.53
TP-5 @ -1.0'			17.2
TP-5 @ -2.5'			3.96
TP-6 @ -1.0'			29.9
TP-6 @ -2.5'			9.55
TP-7 @ -1.0'			9.73
TP-7 @ -2.5'			17.6
TP-8 @ -1.0'			10.1
TP-8 @ -2.5'			5.82
TP-9 @ -1.0'			19.4
TP-9 @ -2.5'			7.38
TP-10 @ -1.0'			17.9
TP-10 @ -2.5'			8.09
TP-11 @ -1.0'			19.4
TP-11 @ -2.5'			7.61
TP-12 @ -1.0'			15.9
TP-12 @ -2.5'			10.9
B-17@1.5'	Parcel 3 (Artesian) APN 267-145-33	X	6.92
B-17@4.5'			7.88
B-17@7.5'			6.36
B-17@9.0'			6.19
B-18@1.5'		X	10.3
B-18@3.0'			5.29
B-18@4.5'			8.48
B-18@7.5'			5.73
B-18@9.0'			8.13
B-19@1.5'		X	5.84
B-19@4.5'			7.39
B-20@4.5'			5.8

TABLE 1			
ARSENIC CONCENTRATIONS			
Sample Number@ Depth	Location	Import	Arsenic (mg/kg)
B-21@1.5'	Parcel 2 (Artesian) APN 267-145-32	X	7.57
B-21@3.0'			7.3
B-21@4.5'			7
B-21@7.5'			6.09
B-22@1.5'		X	10.4
B-22@3.0'			6.69
B-22@6.0'			8.09
B-23@1.5'	Parcel 2 (Artesian) APN 267-145-32	X	5.63
B-23@3.0'			5.86
B-23@4.5'			6.93
B-23@6.0'			5.25
B-23@9.0'			4.83
B-28@6.0'			6.11
B-28A@1' (surface grab sample)			7.75
B-24@4.5'	Parcel 1 (Artesian) APN 267-145-31		10.1
B-25@1.5'			10.2
B-26@1.5'			10.7
B-26@6.0'			8.91
B-26@9.0'			10.1
B-26@10.5'			7.81
B-26@12.0'			11.7
B-27@1.5'			10.2
Stk/East (Soil Pile Grab Sample)	East Pile on South Side of APN 267-145-34	X	6.29
Stk/West (Soil Pile Grab Sample)	West Pile on South Side of APN 267-145-34	X	1.68

TABLE 2
ARSENIC STATISTICAL VALUES (mg/kg)

	Min	Mean	Max	Standard Deviation	95% UCL	
Imported Fill Soil	1.68	6.30	10.4	2.52	5.19	7.41
Native Fill Soil	2.82	9.79	41	6.41	5.82	13.76

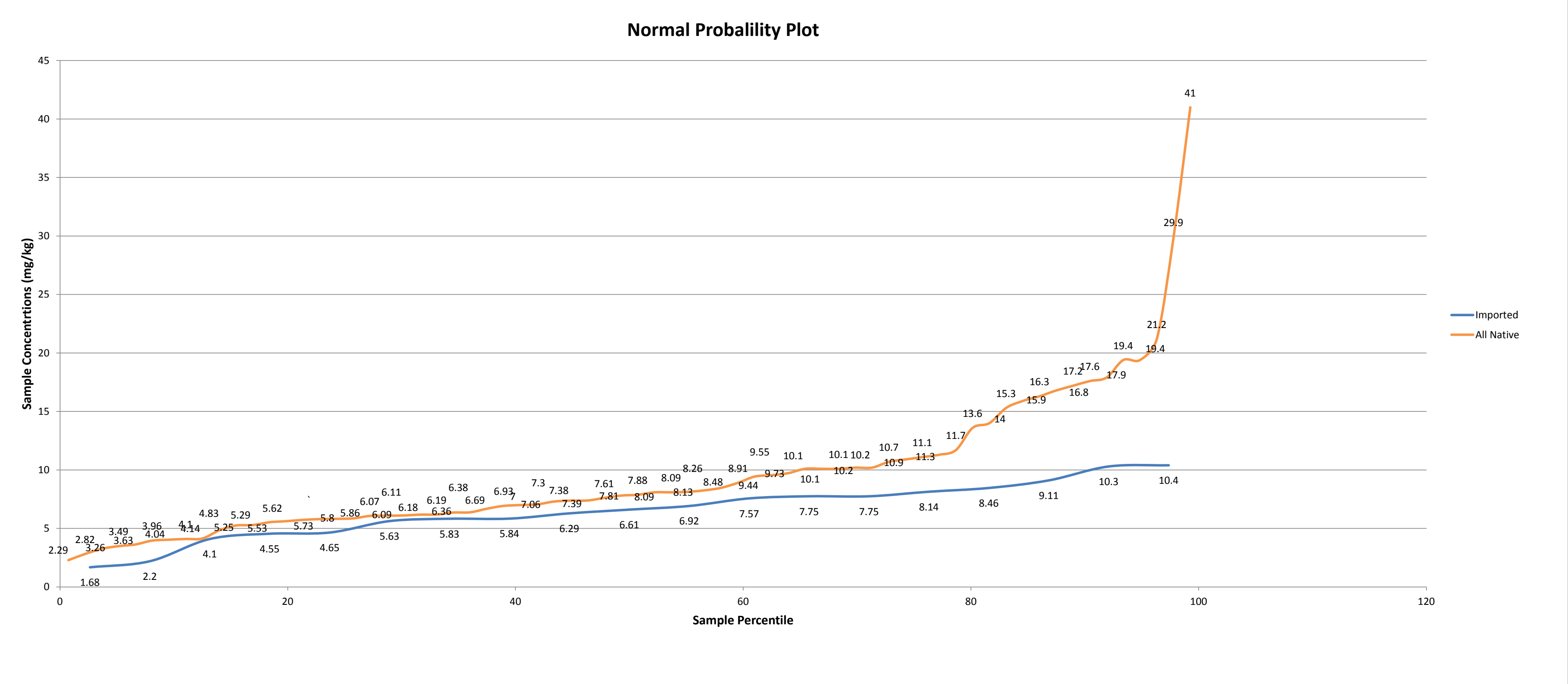


Chart 1: Arsenic concentration values from all imported fill soil, and all native soil to identify and compare deviation from a normality.

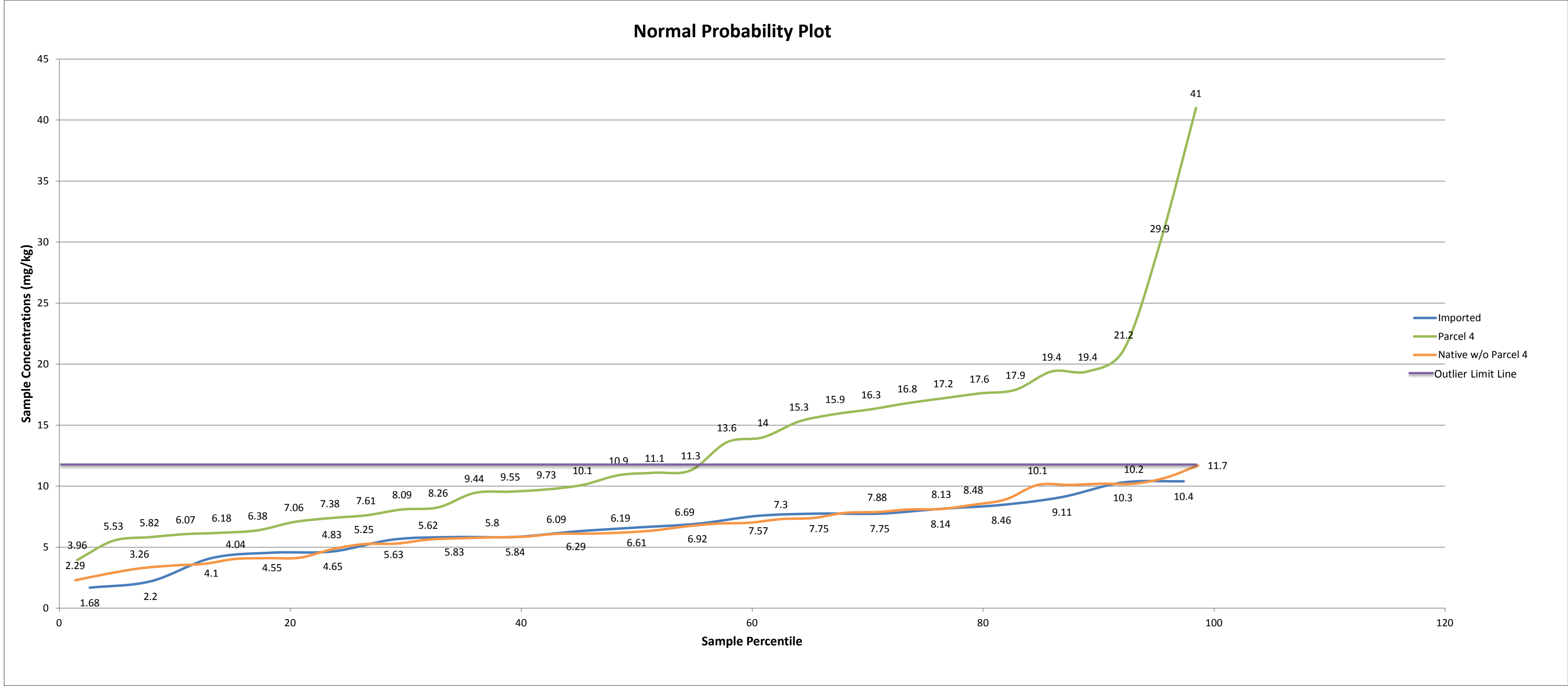


Chart 2: Arsenic concentration values from all imported fill soil, native soil (excluding Parcel 4) and all Parcel 4 (Artesian Rd) to identify and compare deviation from normality.

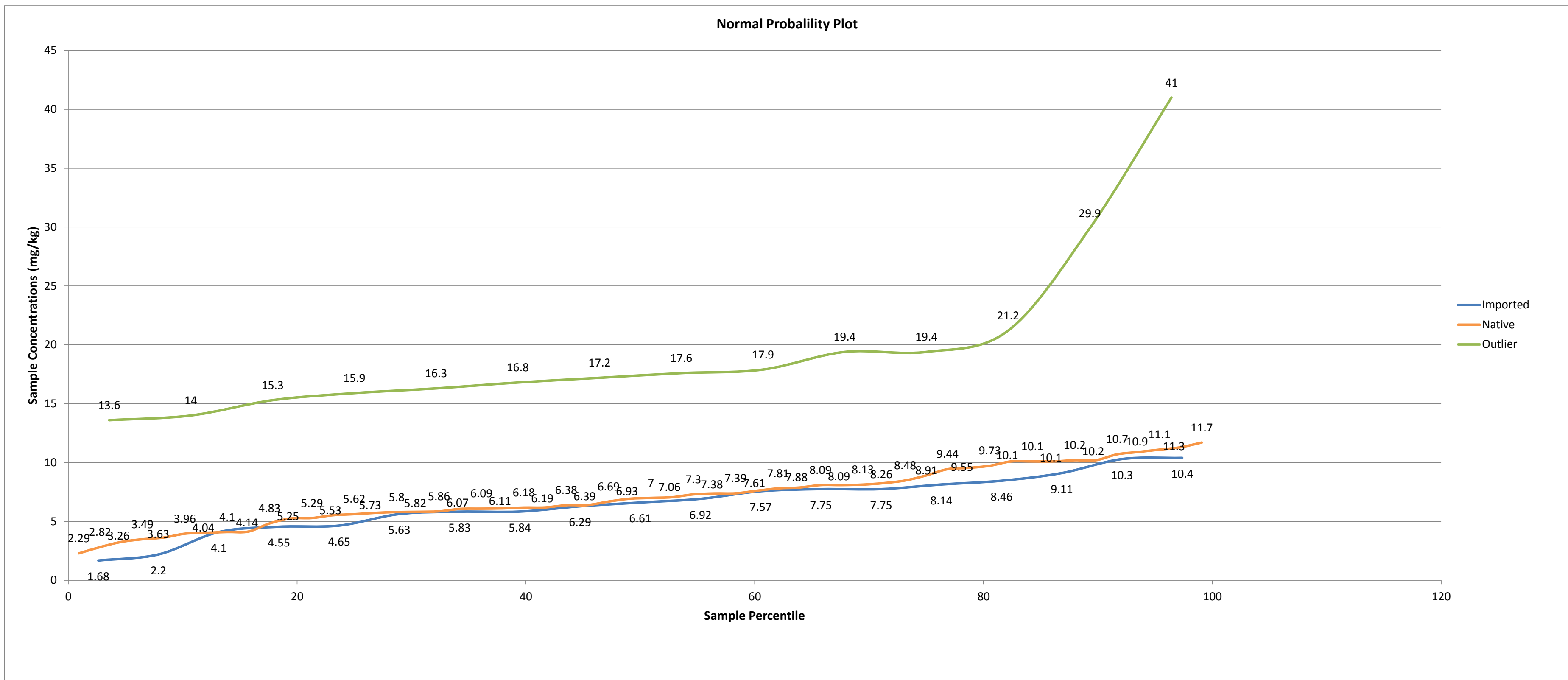


Chart 3: Arsenic concentraion values from all imported fill soil, native soil without Parcel 4 (Artesian Rd) and Parcel 4 outlier to identify and compare deviation from normality.

APPENIDX A

REFERENCES

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2. California State of, Department of Toxic Substance Control (January 16, 2009) "Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals."
3. California State of, Department of Toxic Substance Control, Human and Ecological Risk Office (HERO) Note Number 3 (May 2015) "DTSC-modified Screening Levels (DTSC-SLs).
4. California State of, Environmental Protection Agency (September 2009) "Revised California Human Health Screening Levels for Lead."
5. California State of, Regional Water Quality Control Board, San Diego Region (June 26, 2014) "Conditional Waivers of Waste Discharge Requirements For Low Threat Discharges in the San Diego Region, Conditional Waiver 10 Discharges/Disposal of Solid Waste to Land" Order R9-2014-0041.
6. Chernoff, Bosan and Oudiz (undated) "Determination of a Southern California Regional Background Arsenic Concentration in Soil."
7. Kearney Foundation Special Report (March 1996) "Background Concentrations of Trace and Major Elements in California."
8. Kennedy, M.P., Tan, S.S. (2005) "Geologic Map of the Oceanside 30'X60' Quadrangle" California Geological Survey and U.S. Geological Survey Regional Geologic Map Series, Map 2.
9. Kennedy, M.P., Tan, S.S. (2005) "Geologic Map of the San Diego 30'X60' Quadrangle" California Geological Survey and U.S. Geological Survey Regional Geologic Map Series, Map 3.
10. San Diego County of, Department of Environmental Health (various dates) Site Assessment Mitigation Manual.
11. San Diego County of, Planning & Development (May 2, 2016) "Memorandum" Reference to Hazards Informational Review of Bagley L-Grade Plan Changes, PDS2014, LDPCHG-00072.
12. Stewart, H.M. *Arsenic* in Weber, H.F. (1963) "Mines and Mineral Resources of San Diego County, California" California Division of Mines and Geology, County Report 3.
13. United States Environmental Protection Agency (May 2016) Regional Screening Levels (RSL) Summary Table.
14. Weber, H.F. (1963) "Mines and Mineral Resources of San Diego County, California"

APPENDIX B

BORING LOGS



TEST PIT LOG

TEST PIT	DATE	SOIL DESCRIPTION
TP-1	8/25/16	Fill: Medium dense, slightly moist, brown to gray brown, clayey fine SAND with angular gravel and cobble, trace rounded cobble (also at surface).
TP-2	8/25/16	Fill: Medium dense, slightly moist, light brown to brown, clayey fine SAND with angular and rounded gravel and cobble. @ 2' becomes weathered formation.
TP-3	8/25/16	Fill: Medium dense, slightly moist, light brown to brown, clayey fine SAND with angular and rounded gravel and cobble. @ 2' becomes weathered formation.
TP-4	8/25/16	Fill: Medium dense, slightly moist, dark brown, clayey fine SAND with angular and rounded gravel and cobble. @ 2.5' becomes light brown to brown with rock fragments.
TP-5	8/25/16	Fill: Medium dense, slightly moist, dark brown, clayey fine SAND with angular and rounded gravel and cobble. @ 2.5' becomes weathered formation.
TP-6	8/25/16	Fill: Medium dense to dense, slightly moist, dark brown, clayey fine SAND with angular and rounded gravel and cobble.
TP-7	8/25/16	Fill: Medium dense to dense, slightly moist, dark brown, clayey fine SAND with angular and rounded gravel and cobble. @ 2' Residual Soil: Brown clayey fine SAND.

TEST PIT LOG

TEST PIT	DATE	SOIL DESCRIPTION
TP-8	8/25/16	Fill: Medium dense, slightly moist, brown to dark brown, clayey fine SAND with angular and rounded gravel and cobble. @ 1.5' increasingly clay.
TP-9	8/25/16	Fill: Medium dense to dense, slightly moist, dark brown, clayey fine SAND with angular and rounded gravel and cobble.
TP-10	8/25/16	Fill: Medium dense to dense, slightly moist, dark brown, clayey fine SAND with angular and rounded gravel and cobble.
TP-11	8/25/16	Fill: Medium dense to dense, slightly moist, dark brown, clayey fine SAND with angular and rounded gravel and cobble.
TP-12	8/25/16	Fill: Medium dense to dense, slightly moist, dark brown, clayey fine SAND with angular and rounded gravel and cobble.
TP-13	8/25/16	Fill: Medium dense to dense, slightly moist, dark brown, clayey fine SAND with angular and rounded gravel and cobble.



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Bagley Property 10-13131E

BORING LOGS

BORING /SAMPLE DEPTH	DATE	BLOW COUNTS (PER FOOT)	PID DETECTS	SOIL DESCRIPTION
B-1 @1.5'	6/22/16	23.0	NONE	FILL: Medium dense, clayey fine SAND
B-1 @3.0'	6/22/16	16.0	NONE	Trace gravel
B-1 @4.5'	6/22/16	37	NONE	Weathered Formation at 5'
B-2@1.5'	6/22/16	20	NONE	FILL: Medium dense, clayey fine SAND
B-2@3.0'	6/22/16	17	NONE	Medium dense, clayey fine SAND
B-2@4.5'	6/22/16	25	NONE	Sandy clay to clayey sand.
B-2 @6.0'	6/22/16	17	NONE	Sandy clay to clayey sand.
B-2 @7.5'	6/22/16	21	NONE	Weathered Formation
B-3@1.5'	6/22/16	21	NONE	FILL: Medium dense, clayey fine SAND
B-3@3.0'	6/22/16	19	NONE	Medium dense, clayey fine SAND
B-3 @4.5'	6/22/16	19	NONE	Medium dense, clayey fine SAND
B-3@6.0'	6/22/16	19	NONE	Medium dense, clayey fine SAND
B-3@7.5'	6/22/16	38	NONE	Weathered Formation
B-4@1.5'	6/22/16	26	NONE	FILL: Medium dense, clayey fine SAND
B-4@3.0'	6/22/16	26	NONE	Medium dense, clayey fine SAND
B-4 @4.5'	6/22/16	20	NONE	Medium dense, clayey fine SAND
B-4@6.0'	6/22/16	18	NONE	Medium dense, clayey fine SAND
B-4@7.5'	6/22/16	33	NONE	Weathered Formation
B-5@1.5'	6/22/16	16	NONE	FILL: Medium dense, clayey fine SAND
B-5@3.0'	6/22/16	25	NONE	to sandy CLAY
B-5 @4.5'	6/22/16	19	NONE	Medium dense, clayey fine SAND
B-5 @6.0'	6/22/16	34	NONE	Weathered Formation
B-6 @1.5'	6/22/16	15	NONE	FILL: Medium dense, clayey fine SAND
B-6 @3.0'	6/22/16	25	NONE	Medium dense, clayey fine SAND
B-6@4.5'	6/22/16	30	NONE	Medium dense, clayey fine SAND
B-7@1.5'	6/22/16	18	NONE	FILL: Medium dense, clayey fine SAND
B-7@3.0'	6/22/16	52	NONE	to sandy CLAY
B-8@1.5'	6/22/16	14	NONE	FILL: Medium dense, clayey fine SAND
B-8@3.0'	6/22/16	17	NONE	Medium dense, clayey fine SAND
B-9@1.5'	6/22/16	14	NONE	FILL: Medium dense, clayey fine SAND
B-9@3.0'	6/22/16	11	NONE	to sandy CLAY with gravels
B-9@4.5'	6/22/16	18	NONE	Clayey SAND to sandy CLAY
B-9@6.0'	6/22/16	20	NONE	Clayey SAND to sandy CLAY
B-9 @7.5'	6/22/16	18	NONE	Trace organics
B-9@9.0'	6/22/16	15	NONE	Clayey SAND to sandy CLAY
B-9@10.5'	6/22/16	20	NONE	Clayey SAND to sandy CLAY
B-9@12.0'	6/22/16	50/6"	NONE	Clayey SAND to sandy CLAY
B-1 0@1.5'	6/22/16	19	NONE	FILL: Medium dense, clayey fine SAND
B-1 0@3.0'	6/22/16	49	NONE	with trace gravel and cobble
B-1 1@1.5'	6/22/16	17	NONE	FILL: Medium dense, clayey fine SAND
B-1 1@3.0'	6/22/16	44	NONE	Weathered Formation
B-1 2@1.5'	6/22/16	22	NONE	FILL: Medium dense, clayey fine SAND
B-1 2@3.0'	6/22/16	50/3"	NONE	Weathered Formation
B-13@1.5'	6/23/16	18	NONE	FILL: Medium dense, clayey fine SAND



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B-13@3'	6/23/16	25	NONE	to sandy CLAY with gravels
B-13@4.5'	6/23/16	28	NONE	Clayey SAND to sandy CLAY
B-13@6.0'	6/23/16	19	NONE	Clayey SAND to sandy CLAY
B-13@7.5'	6/23/16	23	NONE	Clayey SAND to sandy CLAY
B-13@9.0'	6/23/16	50/1"	NONE	Weathered Formation
B-14@1.5'	6/23/16	30	NONE	FILL: Medium dense, clayey fine SAND
B-14@3.0'	6/23/16	19	NONE	Medium dense, clayey fine SAND
B-14@4.5'	6/23/16	17	NONE	Medium dense, clayey fine SAND
B-14@6.0'	6/23/16	31	NONE	Weathered Formation
B-15@1.5'	6/23/16	19	NONE	FILL: Medium dense, clayey fine SAND
B-15@3.0'	6/23/16	18	NONE	with trace gravel and cobble
B-15@4.5'	6/23/16	14	NONE	Medium dense, clayey fine SAND
B-15@6.0'	6/23/16	34	NONE	Medium dense, clayey fine SAND
B-16@1.5'	6/23/16	19	NONE	FILL: Medium dense, clayey fine SAND
B-17@1.5'	6/23/16	21	NONE	Medium dense, clayey fine SAND
B-17@3.0'	6/23/16	17	NONE	Medium dense, clayey fine SAND
B-17@4.5'	6/23/16	15	NONE	With clay
B-17@6.0'	6/23/16	17	NONE	Medium dense, clayey fine SAND
B-17@7.5'	6/23/16	20	NONE	Medium dense, clayey fine SAND
B-17@9.0'	6/23/16	29	NONE	Weathered Formation
B-18@1.5'	6/23/16	19	NONE	FILL: Medium dense, clayey fine SAND
B-18@3.0'	6/23/16	17	NONE	with gravel and cobble.
B-18@4.5'	6/23/16	13	NONE	As Above
B-18@6.0'	6/23/16	17	NONE	As Above
B-18@7.5'	6/23/16	14	NONE	Sandy CLAY
B-18@9.0'	6/23/16	56	NONE	Weathered Formation'
B-19@1.5'	6/23/16	14	NONE	FILL: Medium dense, clayey fine SAND
B-19@3.0'	6/23/16	18	NONE	with gravel and cobble.
B-19@4.5'	6/23/16	14	NONE	With clays
B-19@6.0'	6/23/16	50/6"	NONE	Weathered Formation @ 7.5'
B-20@1.5'	6/23/16	26	NONE	FILL: Medium dense, clayey to silty fine SAND
B-20@3.0'	6/23/16	42	NONE	with gravel and cobble.
B-20@4.5'	6/23/16	23	NONE	Refusal on cobble a 8'
B-21@1.5'	6/23/16	50/4"	NONE	FILL: Medium dense, clayey to silty fine SAND
B-21@3.0'	6/23/16	15	NONE	with gravel and cobble.
B-21@4.5'	6/23/16	21	NONE	As Above
B-21@6.0'	6/23/16	16	NONE	As Above
B-21@7.5'	6/23/16	18	NONE	As Above
B-21@9.0'	6/23/16	38	NONE	Weathered Formation @ 9'
B-22@1.5'	6/23/16	24	NONE	FILL: Medium dense, clayey to silty fine SAND
B-22@3.0'	6/23/16	25	NONE	with gravel and cobble.
B-22@4.5'	6/23/16	35	NONE	As Above
B-22@6.0'	6/23/16	17	NONE	As Above
B-22@7.5'	6/23/16	36	NONE	As Above no sample recovered
B-22@9.0'	6/23/16	50/5"	NONE	Weathered Formation
B-23@1.5'	6/23/16	15	NONE	FILL: Medium dense, clayey to silty fine SAND
B-23@3.0'	6/23/16	12	NONE	with gravel and cobble.
B-23@4.5'	6/23/16	15	NONE	As Above
B-23@6.0'	6/23/16	25	NONE	As Above
B-23@7.5'	6/23/16	19	NONE	As Above
B-23@9.0'	6/23/16	17	NONE	Weathered Formation @ 10'
B-24@1.5'	6/24/16	20	NONE	FILL: Medium dense, silty fine SAND, trace



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B-24 @3.0'	6/24/16	26	NONE	clay, with gravel and cobble.
B-24 @4.5'	6/24/16	36	NONE	As Above
B-24 @6.0'	6/24/16	40	NONE	Weathered Formation @ 6'
B-24 @7.5'	6/24/16	50/2"	NONE	As Above
B-25 @1.5'	6/24/16	27	NONE	FILL: Medium dense, slightly fine SAND, trace
B-25 @3.0'	6/24/16	15	NONE	Clay, with gravel and cobble. No sample recovered
B-25 @4.5'	6/24/16	25	NONE	As Above
B-25 @6'	6/24/16	50/2"	NONE	Weathered Formation
B-26 @1.5'	6/24/16	20	NONE	with gravel and cobble
B-26 @3.0'	6/24/16	18	NONE	Increased clay
B-26 @4.5'	6/24/16	21	NONE	Very stiff sandy CLAY
B-26 @6.0'	6/24/16	22	NONE	Scattered cobble
B-26 @7.5'	6/24/16	24	NONE	Medium dense, clayey fine SAND
B-26 @9.0'	6/24/16	19	NONE	Gravel and cobbles
B-26 @10.5'	6/24/16	20	NONE	As Above
B-26 @12.0'	6/24/16	24	NONE	Weathered Formation @ 12.5'
B-27 @1.5'	6/24/16	20	NONE	FILL: Very stiff, sandy CLAY with gravel
B-27 @3.0'	6/24/16	15	NONE	As Above
B-27 @4.5'	6/24/16	20	NONE	Weathered Formation @ 5.5'
				FILL: Very stiff, sandy CLAY with gravel and
B-28 @1.5'	6/24/16	22	NONE	cobbles, no sample recovered
B-28 @3.0'	6/24/16	18	NONE	As Above
B-28 @4.5'	6/24/16	21	NONE	As Above
B-28 @6'	6/24/16	23	NONE	Increased gravel
B-28 @7.5'	6/24/16	33	NONE	Weathered Formation @ 9'

APPENDIX C

LABORATORY RESULTS



Enthalpy Analytical, Inc.

Formerly Associated Labs

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Client: Construction Testing & Engineering Inc.
Address: 1441 Montiel Road
Suite 115
Escondido, CA 92026
Attn: Greg Rzonca

Lab Request: 380894
Report Date: 08/10/2016
Date Received: 07/28/2016
Client ID: 14407

Comments: Bagley
#10-13131E

See attached reports for TPH Carbon Chain, Pesticides, and SIM PAHs.

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>
380894-001	B28A@1'
380894-002	Stk/East
380894-003	Stk/West

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: Winston Yu, 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.



Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector:
Sampled: 07/28/2016 07:15	Site:	
Sample #: <u>380894-001</u>	Client Sample #: B28A@1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1169491	
Antimony	ND	1	3	mg/Kg	07/29/16	08/02/16	JN
Arsenic	7.75	1	1	mg/Kg	07/29/16	08/01/16	JN
Barium	81.7	1	1	mg/Kg	07/29/16	08/01/16	JN
Beryllium	ND	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Cadmium	ND	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Chromium	19.2	1	1	mg/Kg	07/29/16	08/01/16	JN
Cobalt	7.56	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Copper	9.66	1	1	mg/Kg	07/29/16	08/01/16	JN
Lead	3.75	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Molybdenum	ND	1	1	mg/Kg	07/29/16	08/01/16	JN
Nickel	7.20	1	1.5	mg/Kg	07/29/16	08/01/16	JN
Selenium	ND	1	1	mg/Kg	07/29/16	08/01/16	JN
Silver	ND	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Thallium	ND	1	1	mg/Kg	07/29/16	08/01/16	JN
Vanadium	42.5	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Zinc	36.7	1	5	mg/Kg	07/29/16	08/01/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1169494	
Mercury	ND	1	0.14	mg/Kg	08/01/16	08/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 07/28/2016 07:30

Site:

Sample #: **380894-002**

Client Sample #: Stk/East

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1169491	
Antimony	ND	1	3	mg/Kg	07/29/16	08/02/16	JN
Arsenic	6.29	1	1	mg/Kg	07/29/16	08/01/16	JN
Barium	45.4	1	1	mg/Kg	07/29/16	08/01/16	JN
Beryllium	ND	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Cadmium	ND	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Chromium	11.0	1	1	mg/Kg	07/29/16	08/01/16	JN
Cobalt	5.06	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Copper	6.70	1	1	mg/Kg	07/29/16	08/01/16	JN
Lead	4.95	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Molybdenum	ND	1	1	mg/Kg	07/29/16	08/01/16	JN
Nickel	4.23	1	1.5	mg/Kg	07/29/16	08/01/16	JN
Selenium	ND	1	1	mg/Kg	07/29/16	08/01/16	JN
Silver	ND	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Thallium	ND	1	1	mg/Kg	07/29/16	08/01/16	JN
Vanadium	23.7	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Zinc	32.0	1	5	mg/Kg	07/29/16	08/01/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1169494	
Mercury	ND	1	0.14	mg/Kg	08/01/16	08/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 07/28/2016 07:45

Site:

Sample #: **380894-003**

Client Sample #: Stk/West

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1169491	
Antimony	ND	1	3	mg/Kg	07/29/16	08/01/16	JN
Arsenic	1.68	1	1	mg/Kg	07/29/16	08/01/16	JN
Barium	6.31	1	1	mg/Kg	07/29/16	08/01/16	JN
Beryllium	ND	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Cadmium	ND	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Chromium	7.66	1	1	mg/Kg	07/29/16	08/01/16	JN
Cobalt	2.04	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Copper	ND	1	1	mg/Kg	07/29/16	08/01/16	JN
Lead	ND	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Molybdenum	ND	1	1	mg/Kg	07/29/16	08/01/16	JN
Nickel	ND	1	1.5	mg/Kg	07/29/16	08/01/16	JN
Selenium	ND	1	1	mg/Kg	07/29/16	08/01/16	JN
Silver	ND	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Thallium	ND	1	1	mg/Kg	07/29/16	08/01/16	JN
Vanadium	28.5	1	0.5	mg/Kg	07/29/16	08/01/16	JN
Zinc	7.51	1	5	mg/Kg	07/29/16	08/01/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1169494	
Mercury	ND	1	0.14	mg/Kg	08/01/16	08/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

QCBatchID: **QC1169491**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 08/01/2016

Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes	
QC1169491MB1						
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	
QC1169491LCS1											
Antimony	200		235		mg/Kg	118			80-120		
Arsenic	200		204		mg/Kg	102			80-120		
Barium	200		208		mg/Kg	104			80-120		
Beryllium	200		197		mg/Kg	99			80-120		
Cadmium	200		225		mg/Kg	113			80-120		
Chromium	200		218		mg/Kg	109			80-120		
Cobalt	200		220		mg/Kg	110			80-120		
Copper	200		194		mg/Kg	97			80-120		
Lead	200		219		mg/Kg	110			80-120		
Molybdenum	200		210		mg/Kg	105			80-120		
Nickel	200		212		mg/Kg	106			80-120		
Selenium	200		198		mg/Kg	99			80-120		
Silver	200		178		mg/Kg	89			80-120		
Thallium	200		213		mg/Kg	107			80-120		
Vanadium	200		202		mg/Kg	101			80-120		
Zinc	200		215		mg/Kg	108			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	
QC1169491MS1, QC1169491MSD1											Source: 380894-003	
Antimony	ND	100	100	71.5	68.3	mg/Kg	73	70	4.6	75-125	20	M
Arsenic	1.68	100	100	96.3	92.0	mg/Kg	95	90	4.6	75-125	20	
Barium	6.31	100	100	118	114	mg/Kg	112	108	3.4	75-125	20	
Beryllium	ND	100	100	93.9	92.0	mg/Kg	95	93	2.0	75-125	20	
Cadmium	ND	100	100	103	102	mg/Kg	103	102	1.0	75-125	20	
Chromium	7.66	100	100	108	107	mg/Kg	100	99	0.9	75-125	20	
Cobalt	2.04	100	100	102	100	mg/Kg	100	98	2.0	75-125	20	
Copper	0.93	100	100	97.5	102	mg/Kg	97	101	4.5	75-125	20	
Lead	0.49	100	100	103	98.8	mg/Kg	103	98	4.2	75-125	20	

QCBatchID: <u>QC1169491</u>	Analyst: dswafford	Method: EPA 6010B
Matrix: Solid	Analyzed: 08/01/2016	Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1169491MS1, QC1169491MSD1											Source: 380894-003	
Molybdenum	0.15	100	100	97.0	95.8	mg/Kg	97	96	1.2	75-125	20	
Nickel	0.63	100	100	104	100	mg/Kg	103	99	3.9	75-125	20	
Selenium	ND	100	100	90.4	87.2	mg/Kg	92	89	3.6	75-125	20	
Silver	ND	100	100	92.6	91.4	mg/Kg	95	94	1.3	75-125	20	
Thallium	ND	100	100	93.9	91.6	mg/Kg	95	93	2.5	75-125	20	
Vanadium	28.5	100	100	132	129	mg/Kg	104	101	2.3	75-125	20	
Zinc	7.51	100	100	105	104	mg/Kg	97	96	1.0	75-125	20	

QCBatchID: <u>QC1169494</u>	Analyst: JParedes	Method: EPA 7471A
Matrix: Solid	Analyzed: 08/01/2016	Instrument: AAICP-HG1

Blank Summary						
Analyte	Blank Result	Units		RDL	Notes	
QC1169494MB1						
Mercury	ND	mg/Kg		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	
QC1169494LCS1											
Mercury	0.83		0.85		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	
QC1169494MS1, QC1169494MSD1											Source: 380894-001	
Mercury	ND	0.83	0.83	0.82	0.84	mg/Kg	99	101	2.4	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 DRL.
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.
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.
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.
Q4	Analyte result out of calibration range. 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.
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.

806 N. Batavia St., Orange, CA 92868

Phone: (714) 771-6900 Fax: (714) 771-9933

Billing: Enthalphy - SoCal

c/o Montrose Environmental Group

1 Park Plaza, Suite 1000, Irvine, CA 92614



Chain of Custody Record

Lab No:

980894

Page:

of

2 Day:

Turn Around Time (Rush by advanced notice only)

4 Day:

3 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 = Na₂S₂O₃ 2 = HCl 3 = HNO₃
4 = H₂SO₄ 5 = NaOH 6 = Other

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Company: Construction / Highway Dept

Project: Bagby

Report To: Greg Reonce

Number: 10,13131E

Email: greg@ce-inc.net

P.O. #: 10,13131E

Address: 9441 Wymore Rd Ste 111

Address: as previous

Phone: Escondido CA 92026

Global ID: N/A

Fax: 760 746 4955

Sampled By: Greg Reonce

Sample ID

Sampling Date

Sampling Time

Matrix

Container No. / Size

Pres.

Analysis Request

Test Instructions / Comments

1 B28N01 7/28/2016 07:15

S

802 g/las

N/A

1

1

1

2 STK / East 07:30

1

1

1

1

1

1

3 STK / West 07:45

1

1

1

1

1

1

4

5

6

7

8

9

10

Signature

Print Name

Company / Title

Date / Time

1 Relinquished By:

Signature

Gregory E. Reonce

CTE

7/28/2016 08:45

1 Received By:

Signature

Gregory E. Reonce

CTE

7/28/16 11:30

2 Relinquished By:

Signature

Sally K. Davis

ENTHALPHY ANALYTICAL

7/28/16 2:50

2 Received By:

Signature

Sally K. Davis

u

7/28/16 1:50

3 Relinquished By:

Signature

Sally K. Davis

u

7/28/16 1:50

3 Received By:

Signature

Sally K. Davis

u

7/28/16 1:50



SAMPLE ACCEPTANCE CHECKLIST

Section 1			
Client: <u>CTE</u>		Project: <u>BAGLY.</u>	
Date Received: <u>7/28/16</u>		Sampler's Signature Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sample temperature: _____			
Sample(s) received in cooler: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Skip Section 2)			
Shipping Information: _____			
Section 2			
Was the cooler packed with: <input checked="" type="checkbox"/> Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Bubble Wrap <input type="checkbox"/> Styrofoam			
Cooler 1 Temperature: <u>4.3°C</u> <input type="checkbox"/> Paper <input type="checkbox"/> None <input type="checkbox"/> Other _____			
Cooler 2 Temperature: _____ Cooler 3 Temperature: _____			
(Acceptance range is 0 to 6 Deg. C. or arrival on ice; For Microbiology sample ≤ 10 Deg. C or arrival on ice)			
Section 3	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were 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 signature present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were tests 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 checked="" type="checkbox"/>	<input 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"/>
Was total residual chlorine measured (Fish Bioassay samples only)? *	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
*If the answer is no, please inform Fish Bioassay Dept. immediately.			
Section 4			
Explanations/Comments			
Section 5			
Was the Project Manager notified via email of discrepancies: Y / N <input checked="" type="checkbox"/> N/A			
Project Manager's response: _____			

Completed By: [Signature] Date: 7/28/16



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

05 August 2016

Ranjit Clarke
Enthalpy Analytical, Inc.
806 N. Batavia
Orange, CA 92868
RE: 380894 PO# 380894

Enclosed are the results of analyses for samples received by the laboratory on 07/28/16 18:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rose Fasheh For Daniel Chavez
Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380894 PO# 380894
Project Number: 380894
Project Manager: Ranjit Clarke

Reported:
08/05/16 14:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B28A@1'	T161748-01	Soil	07/28/16 07:15	07/28/16 18:20
Stk/East	T161748-02	Soil	07/28/16 07:30	07/28/16 18:20
Stk/West	T161748-03	Soil	07/28/16 07:45	07/28/16 18:20

ELAP #2250

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh For Daniel Chavez, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380894 PO# 380894
Project Number: 380894
Project Manager: Ranjit Clarke

Reported:
08/05/16 14:17

DETECTIONS SUMMARY

Sample ID: B28A@1'

Laboratory ID: T161748-01

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
C29-C40 (MORO)	210	10	mg/kg	EPA 8015C	

Sample ID: Stk/East

Laboratory ID: T161748-02

No Results Detected

Sample ID: Stk/West

Laboratory ID: T161748-03

No Results Detected

SunStar Laboratories, Inc.

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Rose Fasheh For Daniel Chavez, Project Manager



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Lake Forest, California 92630
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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380894 PO# 380894
Project Number: 380894
Project Manager: Ranjit Clarke

Reported:
08/05/16 14:17

B28A@1'
T161748-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6072915	07/29/16	08/02/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	210	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		98.1 %	65-135		"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh For Daniel Chavez, Project Manager



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Lake Forest, California 92630
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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380894 PO# 380894
Project Number: 380894
Project Manager: Ranjit Clarke

Reported:
08/05/16 14:17

Stk/East
T161748-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6072915	07/29/16	08/02/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		108 %	65-135		"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh For Daniel Chavez, Project Manager



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Lake Forest, California 92630
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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380894 PO# 380894
Project Number: 380894
Project Manager: Ranjit Clarke

Reported:
08/05/16 14:17

Stk/West
T161748-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6072915	07/29/16	08/02/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		101 %	65-135		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh For Daniel Chavez, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380894 PO# 380894
Project Number: 380894
Project Manager: Ranjit Clarke

Reported:
08/05/16 14:17

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

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

Batch 6072915 - EPA 3550B GC

Blank (6072915-BLK1)

Prepared: 07/29/16 Analyzed: 08/02/16

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	90.0		"	99.7		90.3	65-135			

LCS (6072915-BS1)

Prepared: 07/29/16 Analyzed: 08/02/16

C13-C28 (DRO)	530	10	mg/kg	498		106	75-125			
Surrogate: <i>p</i> -Terphenyl	102		"	99.5		103	65-135			

Matrix Spike (6072915-MS1)

Source: T161704-01

Prepared: 07/29/16 Analyzed: 08/02/16

C13-C28 (DRO)	460	10	mg/kg	500	8.2	90.2	75-125			
Surrogate: <i>p</i> -Terphenyl	108		"	100		108	65-135			

Matrix Spike Dup (6072915-MSD1)

Source: T161704-01

Prepared: 07/29/16 Analyzed: 08/02/16

C13-C28 (DRO)	450	10	mg/kg	500	8.2	89.3	75-125	1.10	20	
Surrogate: <i>p</i> -Terphenyl	113		"	99.9		113	65-135			

SunStar Laboratories, Inc.

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Rose Fasheh For Daniel Chavez, Project Manager



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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380894 PO# 380894
Project Number: 380894
Project Manager: Ranjit Clarke

Reported:
08/05/16 14:17

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh For Daniel Chavez, Project Manager



Enthalpy Analytical

Formerly Associated Labs

1 Park Plaza, Suite 1000

Irvine, CA 92614

Tel: 714.771.6900 Fax: 714.538.1209

info-sc@enthalpy.com



Subcontract Laboratory:

Sunstar - Sub
25712 Commercentre Dr.
Lake Forest, CA 92630

ATTN: Dan Chavez

Project: 380894 Due: 08/05/16

PM: Ranjit Clarke

Email: ranjit.clarke@enthalpy.com

CC: incomingreports@enthalpy.com

Require: ☐ EDD ☐ EDF ☐ EDT

T161748

Note: PO# 380894

Matrix	Sampled	Sample ID	Analysis	Comment	Lab ID
Solid	07/28/16 07:15	B28A@1'	8015B EPH Carbon Chain		380894-001
Solid	07/28/16 07:30	Stk/East	8015B EPH Carbon Chain		380894-002
Solid	07/28/16 07:45	Stk/West	8015B EPH Carbon Chain		380894-003

Note:

Relinquished By

Received By:

Date/Time

Date/Time

7/28/16 17:42

7/28/16 17:42

Date/Time

Date/Time

7/28/16 18:20

7/28/16 18:20

4.3°

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:

7161748

Client Name:

ENTRALPY

Project:

380894 pot 380894

Delivered by:

☐ Client ☒ SunStar Courier ☐ GSO ☐ FedEx ☐ Other

If Courier, Received by:

DAVID

Date/Time Courier

Received:

7/28/16 17:42

Lab Received by:

SUNNY

Date/Time Lab

Received:

7/28/16 18:20

Total number of coolers received: -

Temperature: Cooler #1 4.5 °C +/- the CF (- 0.2°C) = 4.3 °C corrected temperature

Temperature: Cooler #2 °C +/- the CF (- 0.2°C) = °C corrected temperature

Temperature: Cooler #3 °C +/- the CF (- 0.2°C) = °C corrected temperature

**Temperature criteria = ≤ 6°C
(no frozen containers)**

Within criteria?

☒ Yes ☐ No

If NO:

Samples received on ice?

☐ Yes

☐ No →

Complete Non-Conformance Sheet

If on ice, samples received same day collected?

☐ Yes → Acceptable

☐ No →

Complete Non-Conformance Sheet

Custody seals intact on cooler/sample

☐ Yes ☐ No* ☒ N/A

Sample containers intact

☒ Yes ☐ No*

Sample labels match Chain of Custody IDs

☒ Yes ☐ No*

Total number of containers received match COC

☒ Yes ☐ No*

Proper containers received for analyses requested on COC

☒ Yes ☐ No*

Proper preservative indicated on COC/containers for analyses requested

☐ Yes ☐ No* ☒ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times

☒ Yes ☐ No*

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date:

BS 7/29/16

Comments:

WORK ORDER

T161748

Client: Enthalpy Analytical, Inc.

Project Manager: Daniel Chavez

Project: 380894 PO# 380894

Project Number: 380894

Report To:

Enthalpy Analytical, Inc.

Ranjit Clarke

806 N. Batavia

Orange, CA 92868

Date Due: 08/05/16 15:00 (5 day TAT)

Received By: Sunny Lounethone

Date Received: 07/28/16 18:20

Logged In By: Brian Charon

Date Logged In: 07/29/16 07:38

Samples Received at: **4.3°C**

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation ConfirmedNo

Analysis	Due	TAT	Expires	Comments
----------	-----	-----	---------	----------

T161748-01 B28A@1' [Soil] Sampled 07/28/16 07:15 (GMT-08:00) Pacific Time (US &

8015 Carbon Chain	08/05/16 15:00	5	08/11/16 07:15	
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T161748-02 Stk/East [Soil] Sampled 07/28/16 07:30 (GMT-08:00) Pacific Time (US &

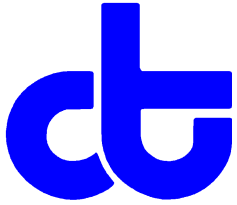
8015 Carbon Chain	08/05/16 15:00	5	08/11/16 07:30	
-------------------	----------------	---	----------------	--

T161748-03 Stk/West [Soil] Sampled 07/28/16 07:45 (GMT-08:00) Pacific Time (US &

8015 Carbon Chain	08/05/16 15:00	5	08/11/16 07:45	
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Analytical Laboratories, Since 1878



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 279162
ANALYTICAL REPORT**

Enthalpy Analytical, Inc.
806 N. Batavia St.
Orange, CA 92868

Project : STANDARD
Location : 380894
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
B28A@1' (380894-001)	279162-001
STK/EAST (380894-002)	279162-002
STK/WEST (380894-003)	279162-003

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____

Dina Ali
Project Manager
dina.ali@ctberk.com

Date: 08/09/2016

CA ELAP# 2896, NELAP# 4044-001

CASE NARRATIVE

Laboratory number: 279162
Client: Enthalpy Analytical, Inc.
Location: 380894
Request Date: 07/29/16
Samples Received: 07/29/16

This data package contains sample and QC results for three soil samples, requested for the above referenced project on 07/29/16. The samples were received on ice and intact.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

Matrix spikes QC845381, QC845382 (batch 237574) were not analyzed because the parent sample required a dilution that would have diluted out the spikes. No other analytical problems were encountered.

Pesticides (EPA 8081A):

All samples underwent sulfur cleanup using the copper option in EPA Method 3660B. All samples underwent florisil cleanup using EPA Method 3620C. Low recoveries were observed for 4,4'-DDT in the MS/MSD for batch 237578; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. B28A@1' (380894-001) (lab # 279162-001) and STK/EAST (380894-002) (lab # 279162-002) were diluted due to the color of the sample extracts. No other analytical problems were encountered.



Enthalpy Analytical

Formerly Associated Labs

1 Park Plaza, Suite 1000

Irvine, CA 92614

Tel: 714.771.6900 Fax: 714.538.1209

info-sc@enthalpy.com

279162



Subcontract Laboratory:

Curtis & Tompkins - Sub
2323 5th St.
Berkeley, CA 94710

ATTN: Dina Ali

Project: 380894 Due: 08/05/16

PM: Ranjit Clarke

Email: ranjit.clarke@enthalpy.com

CC: incomingreports@enthalpy.com

Require: ☐ EDD ☐ EDF ☐ EDT

Note: PO# 380894

Matrix	Sampled	Sample ID	Analysis	Comment	Lab ID
Solid	07/28/16 07:15	B28A@1'	8081 Pesticides		380894-001
Solid	07/28/16 07:15	B28A@1'	8270C_SIM_PAH		380894-001
Solid	07/28/16 07:30	Stk/East	8081 Pesticides		380894-002
Solid	07/28/16 07:30	Stk/East	8270C_SIM_PAH		380894-002
Solid	07/28/16 07:45	Stk/West	8081 Pesticides		380894-003
Solid	07/28/16 07:45	Stk/West	8270C_SIM_PAH		380894-003

Note:

Relinquished By

Received By:

Date/Time

Date/Time

Date/Time

Date/Time



Enthalpy Analytical

Formerly Associated Labs

1 Park Plaza, Suite 1000

Irvine, CA 92614

Tel: 714.771.6900 Fax: 714.538.1209

info-sc@enthalpy.com

279162



Subcontract Laboratory:

Curtis & Tompkins - Sub
2323 5th St.
Berkeley, CA 94710

ATTN: Dina Ali
PO# 380894

Project: 380894 Due: 08/09/16

PM: Ranjit Clarke

Email: ranjit.clarke@enthalpy.com

CC: incomingreports@enthalpy.com

Require: ☐ EDD ☐ EDF ☐ EDT

Report To: ☐ MDL

Note: Additional sample.

Matrix	Sampled	Sample ID	Analysis	Comment
Solid	07/28/16 07:15	B28A@1' (380894-001)	8270C_SIM_PAH_OUT	8081 pesticide
Solid	07/28/16 07:30	Stk/East (380894-002)	8270C_SIM_PAH_OUT	8081 pesticide

Note:

Relinquished By:

Received By:

Date/Time

Date/Time

Date/Time

Date/Time

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 279162 Date Received 7/29/16 Number of coolers 3
 Client Enthalpy Analytical Project 380894
 Date Opened 7/29 By (print) SL (sign) SL
 Date Logged in ↓ By (print) DTN (sign) DTN
 Date Labelled ↓ By (print) ↓ (sign) DTN

1. Did cooler come with a shipping slip (airbill, etc) GSO YES NO
 Shipping info 532755837, 532755298, 532755299

2A. Were custody seals present? ☐ YES (circle) on cooler on samples ☒ NO
 How many _____ Name _____ Date _____

2B. Were custody seals intact upon arrival? _____ YES NO N/A

3. Were custody papers dry and intact when received? YES NO

4. Were custody papers filled out properly (ink, signed, etc)? YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe) _____

☒ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 3.3, 4.8, 3.9

☐ Temperature blank(s) included? ☐ Thermometer# _____ ☒ IR Gun# A

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES NO

If YES, what time were they transferred to freezer? _____

9. Did all bottles arrive unbroken/unopened? _____ YES NO

10. Are there any missing / extra samples? _____ YES NO

11. Are samples in the appropriate containers for indicated tests? _____ YES NO

12. Are sample labels present, in good condition and complete? _____ YES NO

13. Do the sample labels agree with custody papers? _____ YES NO

14. Was sufficient amount of sample sent for tests requested? _____ YES NO

15. Are the samples appropriately preserved? _____ YES NO N/A

16. Did you check preservatives for all bottles for each sample? _____ YES NO N/A

17. Did you document your preservative check? (pH strip lot# _____) YES NO N/A

18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO N/A

19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO N/A

20. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A

21. Was the client contacted concerning this sample delivery? _____ YES NO

If YES, Who was called? _____ By _____ Date: _____

COMMENTS _____

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 279162 Date Received 8/3/16 Number of coolers 3
 Client Enthalpy Project 380894
 Date Opened 8/3 By (print) CB (sign) Chamber
 Date Logged in ✓ By (print) DTN (sign) Ingayer
 Date Labelled ✓ By (print) ✓ (sign) Ingayer

1. Did cooler come with a shipping slip (airbill, etc) GSO ☒ YES ☐ NO
 Shipping info 532802781, 532802782, 532802780

2A. Were custody seals present? ☐ YES (circle) on cooler on samples ☐ NO
 How many _____ Name _____ Date _____

2B. Were custody seals intact upon arrival? _____ YES NO N/A

3. Were custody papers dry and intact when received? _____ YES NO

4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) _____ YES NO

6. Indicate the packing in cooler: (if other, describe) _____

☒ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 5.3, 3.4, 2.8

☐ Temperature blank(s) included? ☐ Thermometer# _____ ☒ IR Gun# A

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES ☒ NO

If YES, what time were they transferred to freezer? _____

9. Did all bottles arrive unbroken/unopened? ☒ YES ☐ NO

10. Are there any missing / extra samples? ☒ YES ☐ NO

11. Are samples in the appropriate containers for indicated tests? ☒ YES ☐ NO

12. Are sample labels present, in good condition and complete? ☒ YES ☐ NO

13. Do the sample labels agree with custody papers? ☒ YES ☐ NO

14. Was sufficient amount of sample sent for tests requested? ☒ YES ☐ NO

15. Are the samples appropriately preserved? ☒ YES ☐ NO ☒ N/A

16. Did you check preservatives for all bottles for each sample? ☒ YES ☐ NO ☒ N/A

17. Did you document your preservative check? (pH strip lot# _____) ☒ YES ☐ NO ☒ N/A

18. Did you change the hold time in LIMS for unpreserved VOAs? ☒ YES ☐ NO ☒ N/A

19. Did you change the hold time in LIMS for preserved terracores? ☒ YES ☐ NO ☒ N/A

20. Are bubbles > 6mm absent in VOA samples? ☒ YES ☐ NO ☒ N/A

21. Was the client contacted concerning this sample delivery? ☒ YES ☐ NO

If YES, Who was called? _____ By _____ Date: _____

COMMENTS _____

Detections Summary for 279162

Results for any subcontracted analyses are not included in this summary.

Client : Enthalpy Analytical, Inc.
Project : STANDARD
Location : 380894

Client Sample ID : B28A@1' (380894-001) Laboratory Sample ID : 279162-001

No Detections

Client Sample ID : STK/EAST (380894-002) Laboratory Sample ID : 279162-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Benzo(b)fluoranthene	6.6		5.1	ug/Kg	As Recd	1.000	EPA 8270C-SIM	EPA 3550B

Client Sample ID : STK/WEST (380894-003) Laboratory Sample ID : 279162-003

No Detections

Semivolatile Organics by GC/MS SIM

Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8270C-SIM
Field ID:	B28A@1' (380894-001)	Batch#:	237574
Lab ID:	279162-001	Sampled:	07/28/16
Matrix:	Soil	Received:	07/29/16
Units:	ug/Kg	Prepared:	08/01/16
Basis:	as received	Analyzed:	08/02/16
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	5.0
Acenaphthylene	ND	5.0
Acenaphthene	ND	5.0
Fluorene	ND	5.0
Phenanthrene	ND	5.0
Anthracene	ND	5.0
Fluoranthene	ND	5.0
Pyrene	ND	5.0
Benzo(a)anthracene	ND	5.0
Chrysene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Benzo(a)pyrene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0

Surrogate	%REC	Limits
Nitrobenzene-d5	98	40-120
2-Fluorobiphenyl	56	46-120
Terphenyl-d14	66	43-120

ND= Not Detected
RL= Reporting Limit

Semivolatile Organics by GC/MS SIM

Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8270C-SIM
Field ID:	STK/EAST (380894-002)	Batch#:	237574
Lab ID:	279162-002	Sampled:	07/28/16
Matrix:	Soil	Received:	07/29/16
Units:	ug/Kg	Prepared:	08/01/16
Basis:	as received	Analyzed:	08/01/16
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	5.1
Acenaphthylene	ND	5.1
Acenaphthene	ND	5.1
Fluorene	ND	5.1
Phenanthrene	ND	5.1
Anthracene	ND	5.1
Fluoranthene	ND	5.1
Pyrene	ND	5.1
Benzo(a)anthracene	ND	5.1
Chrysene	ND	5.1
Benzo(b)fluoranthene	6.6	5.1
Benzo(k)fluoranthene	ND	5.1
Benzo(a)pyrene	ND	5.1
Indeno(1,2,3-cd)pyrene	ND	5.1
Dibenz(a,h)anthracene	ND	5.1
Benzo(g,h,i)perylene	ND	5.1

Surrogate	%REC	Limits
Nitrobenzene-d5	113	40-120
2-Fluorobiphenyl	102	46-120
Terphenyl-d14	91	43-120

ND= Not Detected
RL= Reporting Limit

Semivolatile Organics by GC/MS SIM

Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8270C-SIM
Field ID:	STK/WEST (380894-003)	Batch#:	237574
Lab ID:	279162-003	Sampled:	07/28/16
Matrix:	Soil	Received:	07/29/16
Units:	ug/Kg	Prepared:	08/01/16
Basis:	as received	Analyzed:	08/01/16
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	5.0
Acenaphthylene	ND	5.0
Acenaphthene	ND	5.0
Fluorene	ND	5.0
Phenanthrene	ND	5.0
Anthracene	ND	5.0
Fluoranthene	ND	5.0
Pyrene	ND	5.0
Benzo(a)anthracene	ND	5.0
Chrysene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Benzo(a)pyrene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0

Surrogate	%REC	Limits
Nitrobenzene-d5	94	40-120
2-Fluorobiphenyl	86	46-120
Terphenyl-d14	81	43-120

ND= Not Detected
RL= Reporting Limit

Batch QC Report

Semivolatile Organics by GC/MS SIM			
Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8270C-SIM
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC845379	Batch#:	237574
Matrix:	Soil	Prepared:	08/01/16
Units:	ug/Kg	Analyzed:	08/01/16

Analyte	Result	RL
Naphthalene	ND	4.9
Acenaphthylene	ND	4.9
Acenaphthene	ND	4.9
Fluorene	ND	4.9
Phenanthrene	ND	4.9
Anthracene	ND	4.9
Fluoranthene	ND	4.9
Pyrene	ND	4.9
Benzo(a)anthracene	ND	4.9
Chrysene	ND	4.9
Benzo(b)fluoranthene	ND	4.9
Benzo(k)fluoranthene	ND	4.9
Benzo(a)pyrene	ND	4.9
Indeno(1,2,3-cd)pyrene	ND	4.9
Dibenz(a,h)anthracene	ND	4.9
Benzo(g,h,i)perylene	ND	4.9

Surrogate	%REC	Limits
Nitrobenzene-d5	96	40-120
2-Fluorobiphenyl	62	46-120
Terphenyl-d14	67	43-120

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Semivolatile Organics by GC/MS SIM			
Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8270C-SIM
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC845446	Batch#:	237574
Matrix:	Soil	Prepared:	08/01/16
Units:	ug/Kg	Analyzed:	08/02/16

Analyte	Spiked	Result	%REC	Limits
Acenaphthene	33.69	36.17	107	49-120
Pyrene	33.69	35.54	105	48-120

Surrogate	%REC	Limits
Nitrobenzene-d5	119	40-120
2-Fluorobiphenyl	104	46-120
Terphenyl-d14	108	43-120

Organochlorine Pesticides			
Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	B28A@1' (380894-001)	Batch#:	237807
Lab ID:	279162-001	Sampled:	07/28/16
Matrix:	Soil	Received:	07/29/16
Units:	ug/Kg	Prepared:	08/08/16
Basis:	as received	Analyzed:	08/09/16
Diln Fac:	5.000		

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	8.6
4,4'-DDE	ND	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND	17
alpha-Chlordane	ND	8.6
gamma-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	90	44-125
Decachlorobiphenyl	83	39-121

ND= Not Detected
RL= Reporting Limit

Organochlorine Pesticides			
Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	STK/EAST (380894-002)	Batch#:	237807
Lab ID:	279162-002	Sampled:	07/28/16
Matrix:	Soil	Received:	07/29/16
Units:	ug/Kg	Prepared:	08/08/16
Basis:	as received	Analyzed:	08/09/16
Diln Fac:	5.000		

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	8.6
4,4'-DDE	ND	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND	17
alpha-Chlordane	ND	8.6
gamma-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	91	44-125
Decachlorobiphenyl	83	39-121

ND= Not Detected
RL= Reporting Limit

Organochlorine Pesticides			
Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	STK/WEST (380894-003)	Batch#:	237578
Lab ID:	279162-003	Sampled:	07/28/16
Matrix:	Soil	Received:	07/29/16
Units:	ug/Kg	Prepared:	08/01/16
Basis:	as received	Analyzed:	08/03/16
Diln Fac:	1.000		

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	1.7
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	84	44-125
Decachlorobiphenyl	87	39-121

ND= Not Detected
RL= Reporting Limit

Batch QC Report

Organochlorine Pesticides			
Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC845392	Batch#:	237578
Matrix:	Soil	Prepared:	08/01/16
Units:	ug/Kg	Analyzed:	08/02/16

Analyte	Result	RL
alpha-BHC	ND	0.84
beta-BHC	ND	0.84
gamma-BHC	ND	0.84
delta-BHC	ND	0.84
Heptachlor	ND	0.84
Aldrin	ND	0.84
Heptachlor epoxide	ND	0.84
Endosulfan I	ND	0.84
Dieldrin	ND	0.84
4,4'-DDE	ND	1.6
Endrin	ND	1.6
Endosulfan II	ND	1.6
Endosulfan sulfate	ND	1.6
4,4'-DDD	ND	1.6
Endrin aldehyde	ND	1.6
4,4'-DDT	ND	1.6
alpha-Chlordane	ND	0.84
gamma-Chlordane	ND	0.84
Methoxychlor	ND	8.4
Toxaphene	ND	30

Surrogate	%REC	Limits
TCMX	83	44-125
Decachlorobiphenyl	94	39-121

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Organochlorine Pesticides			
Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC845393	Batch#:	237578
Matrix:	Soil	Prepared:	08/01/16
Units:	ug/Kg	Analyzed:	08/02/16

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.31	11.94	90	44-121
Heptachlor	13.31	12.03	90	45-129
Aldrin	13.31	11.96	90	45-120
Dieldrin	13.31	11.85	89	49-131
Endrin	13.31	10.94	82	43-135
4,4'-DDT	13.31	10.23	77	37-141

Surrogate	%REC	Limits
TCMX	88	44-125
Decachlorobiphenyl	76	39-121

Batch QC Report

Organochlorine Pesticides			
Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	ZZZZZZZZZZ	Batch#:	237578
MSS Lab ID:	279135-001	Sampled:	07/27/16
Matrix:	Soil	Received:	07/29/16
Units:	ug/Kg	Prepared:	08/01/16
Basis:	as received	Analyzed:	08/02/16
Diln Fac:	5.000		

Type: MS Lab ID: QC845394

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<1.096	13.38	9.976	75	51-126
Heptachlor	<0.9713	13.38	9.978	75	53-135
Aldrin	<1.038	13.38	8.966	67	52-121
Dieldrin	<2.018	13.38	11.98	90	50-138
Endrin	<2.841	13.38	10.18	76	41-156
4,4'-DDT	48.84	13.38	28.38	-153 *	30-156

Surrogate	%REC	Limits
TCMX	66	44-125
Decachlorobiphenyl	64	39-121

Type: MSD Lab ID: QC845395

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.52	9.878	73	51-126	2	40
Heptachlor	13.52	9.654	71	53-135	4	34
Aldrin	13.52	9.162	68	52-121	1	44
Dieldrin	13.52	12.74	94	50-138	5	38
Endrin	13.52	10.16	75	41-156	1	38
4,4'-DDT	13.52	28.58	-150 *	30-156	0	58

Surrogate	%REC	Limits
TCMX	69	44-125
Decachlorobiphenyl	65	39-121

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Batch QC Report

Organochlorine Pesticides			
Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC846320	Batch#:	237807
Matrix:	Soil	Prepared:	08/08/16
Units:	ug/Kg	Analyzed:	08/09/16

Analyte	Result	RL
alpha-BHC	ND	0.84
beta-BHC	ND	0.84
gamma-BHC	ND	0.84
delta-BHC	ND	0.84
Heptachlor	ND	0.84
Aldrin	ND	0.84
Heptachlor epoxide	ND	0.84
Endosulfan I	ND	0.84
Dieldrin	ND	0.84
4,4'-DDE	ND	1.6
Endrin	ND	1.6
Endosulfan II	ND	1.6
Endosulfan sulfate	ND	1.6
4,4'-DDD	ND	1.6
Endrin aldehyde	ND	1.6
4,4'-DDT	ND	1.6
alpha-Chlordane	ND	0.84
gamma-Chlordane	ND	0.84
Methoxychlor	ND	8.4
Toxaphene	ND	30

Surrogate	%REC	Limits
TCMX	87	44-125
Decachlorobiphenyl	78	39-121

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Organochlorine Pesticides			
Lab #:	279162	Location:	380894
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC846321	Batch#:	237807
Matrix:	Soil	Prepared:	08/08/16
Units:	ug/Kg	Analyzed:	08/09/16

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.14	10.08	77	44-121
Heptachlor	13.14	12.06	92	45-129
Aldrin	13.14	13.16	100	45-120
Dieldrin	13.14	13.26	101	49-131
Endrin	13.14	13.18	100	43-135
4,4'-DDT	13.14	12.84	98	37-141

Surrogate	%REC	Limits
TCMX	99	44-125
Decachlorobiphenyl	88	39-121



Enthalpy Analytical, Inc.

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Client: Construction Testing & Engineering Inc.
Address: 1441 Montiel Road
Suite 115
Escondido, CA 92026
Attn: Greg Rzonca

Lab Request: 381858
Report Date: 09/02/2016
Date Received: 08/26/2016
Client ID: 14407

Comments: Bagley Property
10-13131E

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>
381858-001	TP-1 @ -1'	381858-025	TP-13 @ -1'
381858-002	TP-1 @ -2.5'	381858-026	TP-13 @ -2.5'
381858-003	TP-2 @ -1'		
381858-004	TP-2 @ -2.5'		
381858-005	TP-3 @ -1'		
381858-006	TP-3 @ -2.5'		
381858-007	TP-4 @ -1'		
381858-008	TP-4 @ -2.5'		
381858-009	TP-5 @ -1'		
381858-010	TP-5 @ -2.5'		
381858-011	TP-6 @ -1'		
381858-012	TP-6 @ -2.5'		
381858-013	TP-7 @ -1'		
381858-014	TP-7 @ -2.5'		
381858-015	TP-8 @ -1'		
381858-016	TP-8 @ -2.5'		
381858-017	TP-9 @ -1'		
381858-018	TP-9 @ -2.5'		
381858-019	TP-10 @ -1'		
381858-020	TP-10 @ -2.5'		
381858-021	TP-11 @ -1'		
381858-022	TP-11 @ -2.5'		
381858-023	TP-12 @ -1'		
381858-024	TP-12 @ -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.



Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 08:20	Site:	
Sample #: <u>381858-001</u>	Client Sample #: TP-1 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170352	
Arsenic	14.0	1	1	mg/Kg	08/29/16	09/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 08:30	Site:	
Sample #: <u>381858-002</u>	Client Sample #: TP-1 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170352	
Arsenic	11.3	1	1	mg/Kg	08/29/16	09/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 08:40	Site:	
Sample #: <u>381858-003</u>	Client Sample #: TP-2 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170352	
Arsenic	16.8	1	1	mg/Kg	08/29/16	09/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 08:45	Site:	
Sample #: <u>381858-004</u>	Client Sample #: TP-2 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170352	
Arsenic	6.07	1	1	mg/Kg	08/29/16	09/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 08:50	Site:	
Sample #: <u>381858-005</u>	Client Sample #: TP-3 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170352	
Arsenic	11.1	1	1	mg/Kg	08/29/16	09/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 08:55	Site:	
Sample #: <u>381858-006</u>	Client Sample #: TP-3 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170352	
Arsenic	8.26	1	1	mg/Kg	08/29/16	09/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 09:05	Site:	
Sample #: <u>381858-007</u>	Client Sample #: TP-4 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170352	
Arsenic	16.3	1	1	mg/Kg	08/29/16	09/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 09:10	Site:	
Sample #: <u>381858-008</u>	Client Sample #: TP-4 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170352	
Arsenic	5.53	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 09:15	Site:	
Sample #: <u>381858-009</u>	Client Sample #: TP-5 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	17.2	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 09:20	Site:	
Sample #: <u>381858-010</u>	Client Sample #: TP-5 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	3.96	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 09:30	Site:	
Sample #: <u>381858-011</u>	Client Sample #: TP-6 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	29.9	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 09:35	Site:	
Sample #: <u>381858-012</u>	Client Sample #: TP-6 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	9.55	1	1	mg/Kg	08/29/16	09/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 09:50	Site:	
Sample #: <u>381858-013</u>	Client Sample #: TP-7 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	9.73	1	1	mg/Kg	08/29/16	09/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 09:55	Site:	
Sample #: <u>381858-014</u>	Client Sample #: TP-7 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	17.6	1	1	mg/Kg	08/29/16	09/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 10:05	Site:	
Sample #: <u>381858-015</u>	Client Sample #: TP-8 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	10.1	1	1	mg/Kg	08/29/16	09/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 10:10	Site:	
Sample #: <u>381858-016</u>	Client Sample #: TP-8 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	5.82	1	1	mg/Kg	08/29/16	09/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 10:20	Site:	
Sample #: <u>381858-017</u>	Client Sample #: TP-9 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	19.4	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 10:25	Site:	
Sample #: <u>381858-018</u>	Client Sample #: TP-9 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	7.38	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 10:35	Site:	
Sample #: <u>381858-019</u>	Client Sample #: TP-10 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	17.9	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 10:40	Site:	
Sample #: <u>381858-020</u>	Client Sample #: TP-10 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	8.09	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 10:45	Site:	
Sample #: <u>381858-021</u>	Client Sample #: TP-11 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	19.4	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 10:50	Site:	
Sample #: <u>381858-022</u>	Client Sample #: TP-11 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	7.61	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 10:55	Site:	
Sample #: <u>381858-023</u>	Client Sample #: TP-12 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	15.9	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 11:00	Site:	
Sample #: <u>381858-024</u>	Client Sample #: TP-12 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	10.9	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 11:10	Site:	
Sample #: <u>381858-025</u>	Client Sample #: TP-13 @ -1'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	12.5	1	1	mg/Kg	08/29/16	08/31/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 08/26/2016 11:15	Site:	
Sample #: <u>381858-026</u>	Client Sample #: TP-13 @ -2.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1170353	
Arsenic	7.38	1	1	mg/Kg	08/29/16	08/31/16	JN

QCBatchID: **QC1170352**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 08/29/2016

Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1170352MB1				
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	0.55	mg/Kg	0.5	B
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	
QC1170352LCS1											
Antimony	100		112		mg/Kg	112			80-120		
Arsenic	100		104		mg/Kg	104			80-120		
Barium	100		88.0		mg/Kg	88			80-120		
Beryllium	100		111		mg/Kg	111			80-120		
Cadmium	100		116		mg/Kg	116			80-120		
Chromium	100		118		mg/Kg	118			80-120		
Cobalt	100		119		mg/Kg	119			80-120		
Copper	100		109		mg/Kg	109			80-120		
Lead	100		117		mg/Kg	117			80-120		
Molybdenum	100		118		mg/Kg	118			80-120		
Nickel	100		115		mg/Kg	115			80-120		
Selenium	100		98.9		mg/Kg	99			80-120		
Silver	100		84.4		mg/Kg	84			80-120		
Thallium	100		118		mg/Kg	118			80-120		
Vanadium	100		118		mg/Kg	118			80-120		
Zinc	100		110		mg/Kg	110			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	
QC1170352MS1, QC1170352MSD1												Source: 381851-003
Antimony	ND	100	100	38.3	36.4	mg/Kg	41	39	5.1	75-125	20	
Arsenic	3.05	100	100	98.6	94.1	mg/Kg	96	91	4.7	75-125	20	
Barium	68.4	100	100	163	171	mg/Kg	95	103	4.8	75-125	20	
Beryllium	ND	100	100	98.3	99.2	mg/Kg	98	99	0.9	75-125	20	
Cadmium	0.33	100	100	108	112	mg/Kg	108	112	3.6	75-125	20	
Chromium	7.24	100	100	109	112	mg/Kg	102	105	2.7	75-125	20	
Cobalt	4.26	100	100	103	107	mg/Kg	99	103	3.8	75-125	20	
Copper	11.3	100	100	109	109	mg/Kg	98	98	0.0	75-125	20	
Lead	4.69	100	100	106	106	mg/Kg	101	101	0.0	75-125	20	

QCBatchID: **QC1170352**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 08/29/2016

Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	MS	MSD	MS	MSD	MS		MSD	%Rec		RPD		
QC1170352MS1, QC1170352MSD1											Source: 381851-003	
Molybdenum	0.72	100	100	94.5	95.3	mg/Kg	94	95	0.8	75-125	20	
Nickel	4.90	100	100	106	106	mg/Kg	101	101	0.0	75-125	20	
Selenium	-3.28	100	100	84.9	76.2	mg/Kg				75-125	20	
Silver	ND	100	100	103	106	mg/Kg	103	106	2.9	75-125	20	
Thallium	ND	100	100	96.8	97.7	mg/Kg	97	98	0.9	75-125	20	
Vanadium	20.1	100	100	119	126	mg/Kg	99	106	5.7	75-125	20	
Zinc	42.1	100	100	147	138	mg/Kg	105	96	6.3	75-125	20	

QCBatchID: <u>QC1170353</u>	Analyst: dswafford	Method: EPA 6010B
Matrix: Solid	Analyzed: 08/29/2016	Instrument: AAICP (group)

Blank Summary						
Analyte	Blank Result	Units		RDL	Notes	
QC1170353MB1						
Arsenic	ND	mg/Kg		1		

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	
QC1170353LCS1											
Arsenic	100		109		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	
QC1170353MS1, QC1170353MSD1												Source: 381858-018
Arsenic	7.38	100	100	94.3	99.2	mg/Kg	87	92	5.1	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 DRL.
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.
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.
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.

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



Chain of Custody Record

Turn Around Time (Rush by advanced notice only)

Lab No:

381858

Standard:

X

4 Day:

3 Day:

Page:

1

of

2

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 = Na₂S₂O₃ 2 = HCl 3 = HNO₃

4 = H₂SO₄ 5 = NaOH 6 = Other

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Company:

CTE

Name:

Gregory Pioremy

Report To:

6166 R20000A

Number:

10-13131E

Email:

6166@CTE-INS.NET

P.O. #:

Address:

1441 MONTGOMERY RD. STE 115

Address:

20000 SANTA FE, CA

Phone:

760-746-4955

Global ID:

Fax:

760-746-4901

Sampled By:

DENNIS KILIAN

Sample ID

Sampling Date

Sampling Time

Matrix

Container No. / Size

Pres.

1 TP-1 @ -1'

8/25/16

8:20

S

8oz Glass

6/16

X

ANALYTICAL EPA 6010B

2 TP-1 @ -2.5'

8:30

X

3 TP-2 @ -1'

8:40

X

4 TP-2 @ -2.5'

8:45

X

5 TP-3 @ -1'

8:50

X

6 TP-3 @ -2.5'

8:55

X

7 TP-4 @ -1'

9:05

X

8 TP-4 @ -2.5'

9:10

X

9 TP-5 @ -1'

9:15

X

10 TP-5 @ -2.5'

9:20

X

Signature

Print Name

Company / Title

Date / Time

1 Relinquished By:

DENNIS KILIAN

CTE/Proj. Geologist

8/26/16 10:15

1 Received By:

Sam

Enthalpy+

8/26/16 1:30

2 Relinquished By:

Sam

↓

8/26/16 3:30

2 Received By:

Sam

BA

8/26/16 5:30

3 Relinquished By:

3 Received By:

ENTHALPHY ANALYTICAL, INC.

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



Chain of Custody Record

Turn Around Time (Rush by advanced notice only)

Lab No:

381858

Standard:

X

4 Day:

3 Day:

Page:

3

of

3

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 = Na₂S₂O₃ 2 = HCl 3 = HNO₃

4 = H₂SO₄ 5 = NaOH 6 = Other

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Company:

CTE

Name:

Battery Recovery

Report To:

GR RZONCA

Number:

12-13131E

Email:

GR@CTE-INC.NET

P.O. #:

Address:

1441 MONTROSE RD. STE 115

Address:

ALBERTA RD.

Phone:

ESCONDIDO, CA 92026

Global ID:

RAMON SERRA FERRER, CA

Fax:

760-746-4955

Sampled By:

DENNIS CLARK

Sample ID

Sampling Date

Sampling Time

Matrix

Container No. / Size

Pres.

ARSENIC EPA 6010B

1 TP-10-1'

8/25/16

10:45

S

802.6145 6/100

X

2 TP-11-2.5'

10:50

10:55

1

X

X

3 TP-12-2.5'

11:00

11:10

1

X

X

4 TP-13-2.5'

11:15

11:25

1

X

X

5 TP-14-2.5'

11:30

11:40

1

X

X

6 TP-15-2.5'

11:45

11:55

1

X

X

7

8

9

10

Signature

Print Name

Company / Title

Date / Time

Relinquished By:

Signature

DENNIS CLARK

CTE / Project Manager

8/26/16 10:15

Received By:

Signature

Saul K...

Enthalpy

8/26/16 1:30

Relinquished By:

Signature

Saul K...

X

8/26/16 3:30

Received By:

Signature

Tony D...

EA

8/26/16 4:30

Relinquished By:

Signature

Received By:

Signature



SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: CTB Project: Bagley Prop.
Date Received: 08/26/16 Sampler's Signature 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: 6.3 #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"/>		
Were IDs present?	<input checked="" type="checkbox"/>		
Were sampling dates & times present?	<input checked="" type="checkbox"/>		
Was a signature present?	<input checked="" type="checkbox"/>		
Were tests 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"/>
Was total residual chlorine measured (Fish Bioassay samples only)? *			<input checked="" type="checkbox"/>

*If the answer is no, please inform Fish Bioassay department immediately.

Section 4

Explanations/Comments: Cooler seal was also intact at the field.

Section 5

Was the Project Manager notified via email of discrepancies: Yes ☐ No ☒ N/A
Was the email sent to: _____
Project Manager's response: _____

Completed By: [Signature] Date: 8/26/16



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: Construction Testing & Engineering Inc.
Address: 1441 Montiel Road
Suite 115
Escondido, CA 92026
Attn: Greg Rzonca

Lab Request: 380064
Report Date: 08/03/2016
Date Received: 06/28/2016
Client ID: 14407

Comments: Bagley
#10-13131E

Supplemental Report. See attached report for TPH Carbon Chain, Pesticides, and SIM PAHs.
Sample B-26@3.0' was not received. The tests requested for this sample were performed on B-26@1.5' instead per the client.

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>
380064-001	B-1 @ 1.5'	380064-025	B-7 @ 3.0'	380064-049	B-14 @ 3'
380064-002	B-1 @ 3'	380064-026	B-8 @ 1.5'	380064-050	B-14 @ 4.5'
380064-003	B-1 @ 4.5'	380064-027	B-8 @ 3.0'	380064-051	B-15 @ 1.5'
380064-004	B-2 @ 1.5'	380064-028	B-9 @ 1.5'	380064-052	B-15 @ 3'
380064-005	B-2 @ 3'	380064-029	B-9 @ 3.0'	380064-053	B-15 @ 4.5'
380064-006	B-2 @ 4.5'	380064-030	B-9 @ 4.5'	380064-054	B-15 @ 6'
380064-007	B-2 @ 6'	380064-031	B-9 @ 6'	380064-055	B-16 @ 1.5'
380064-008	B-3 @ 1.5'	380064-032	B-9 @ 7.5'	380064-056	B-17 @ 1.5'
380064-009	B-3 @ 3'	380064-033	B-9 @ 9.0'	380064-057	B-17 @ 3.0'
380064-010	B-3 @ 4.5'	380064-034	B-9 @ 10.5'	380064-058	B-17 @ 4.5'
380064-011	B-3 @ 6'	380064-035	B-9 @ 12'	380064-059	B-17 @ 6'
380064-012	B-4 @ 1.5'	380064-036	B-10 @ 1.5'	380064-060	B-17 @ 7.5'
380064-013	B-4 @ 3.0'	380064-037	B-10 @ 36'	380064-061	B-17 @ 9'
380064-014	B-4 @ 4.5'	380064-038	B-11 @ 1.5'	380064-062	B-18 @ 1.5'
380064-015	B-4 @ 6.0'	380064-039	B-11 @ 3'	380064-063	B-18 @ 3'
380064-016	B-4 @ 7.5'	380064-040	B-12 @ 1.5'	380064-064	B-18 @ 4.5'
380064-017	B-5 @ 1.5'	380064-041	B-12 @ 3'	380064-065	B-18 @ 6'
380064-018	B-5 @ 3.0'	380064-042	B-13 @ 1.5'	380064-066	B-18 @ 7.5'
380064-019	B-5 @ 4.5'	380064-043	B-13 @ 3'	380064-067	B-18 @ 9'
380064-020	B-5 @ 6'	380064-044	B-13 @ 4.5'	380064-068	B-19 @ 1.5'
380064-021	B-6 @ 1.5'	380064-045	B-13 @ 6'	380064-069	B-19 @ 3.0'
380064-022	B-6 @ 3.0'	380064-046	B-13 @ 7.5'	380064-070	B-19 @ 4.5'
380064-023	B-6 @ 4.5'	380064-047	B-13 @ 9'	380064-071	B-19 @ 6'
380064-024	B-7 @ 1.5'	380064-048	B-14 @ 1.5'	380064-072	B-20 @ 1.5'

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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Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 08:30	Site:	
Sample #: <u>380064-001</u>	Client Sample #: B-1 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1169491	
Arsenic	5.83	1	1	mg/Kg	07/29/16	08/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 08:35	Site:	
Sample #: <u>380064-002</u>	Client Sample #: B-1 @ 3'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	8.46	1	1	mg/Kg		06/30/16	KLN
Barium	187	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	26.1	1	1	mg/Kg		06/30/16	KLN
Cobalt	7.26	1	0.5	mg/Kg		06/30/16	KLN
Copper	11.2	1	1	mg/Kg		06/30/16	KLN
Lead	4.34	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	7.17	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	51.9	1	0.5	mg/Kg		06/30/16	KLN
Zinc	44.8	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 08:45	Site:	
Sample #: <u>380064-003</u>	Client Sample #: B-1 @ 4.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	9.11	1	1	mg/Kg		06/30/16	KLN
Barium	548	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	20.9	1	1	mg/Kg		06/30/16	KLN
Cobalt	7.72	1	0.5	mg/Kg		06/30/16	KLN
Copper	14.7	1	1	mg/Kg		06/30/16	KLN
Lead	4.35	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	7.81	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	51.8	1	0.5	mg/Kg		06/30/16	KLN
Zinc	49.1	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 08:50	Site:	
Sample #: <u>380064-004</u>	Client Sample #: B-2 @ 1.5	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1169491	
Arsenic	4.55	1	1	mg/Kg	07/29/16	08/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 09:00	Site:	
Sample #: <u>380064-005</u>	Client Sample #: B-2 @ 3'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	6.61	1	1	mg/Kg		06/30/16	KLN
Barium	116	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	14.9	1	1	mg/Kg		06/30/16	KLN
Cobalt	7.94	1	0.5	mg/Kg		06/30/16	KLN
Copper	8.55	1	1	mg/Kg		06/30/16	KLN
Lead	4.29	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	5.40	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	38.9	1	0.5	mg/Kg		06/30/16	KLN
Zinc	37.5	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 09:20	Site:	
Sample #: <u>380064-006</u>	Client Sample #: B-2 @ 4.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	7.75	1	1	mg/Kg		06/30/16	KLN
Barium	182	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	15.7	1	1	mg/Kg		06/30/16	KLN
Cobalt	7.45	1	0.5	mg/Kg		06/30/16	KLN
Copper	9.34	1	1	mg/Kg		06/30/16	KLN
Lead	5.33	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	5.82	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	40.6	1	0.5	mg/Kg		06/30/16	KLN
Zinc	40.4	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 09:30	Site:	
Sample #: <u>380064-007</u>	Client Sample #: B-2 @ 6'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 09:50	Site:	
Sample #: <u>380064-008</u>	Client Sample #: B-3 @ 1.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 10:00	Site:	
Sample #: <u>380064-009</u>	Client Sample #: B-3 @ 3'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 10:10	Site:	
Sample #: <u>380064-010</u>	Client Sample #: B-3 @ 4.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 10:15	Site:	
Sample #: <u>380064-011</u>	Client Sample #: B-3 @ 6'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 10:25	Site:	
Sample #: <u>380064-012</u>	Client Sample #: B-4 @ 1.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 10:35	Site:	
Sample #: <u>380064-013</u>	Client Sample #: B-4 @ 3.0'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 10:43	Site:	
Sample #: <u>380064-014</u>	Client Sample #: B-4 @ 4.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 10:50	Site:	
Sample #: <u>380064-015</u>	Client Sample #: B-4 @ 6.0'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 10:55	Site:	
Sample #: <u>380064-016</u>	Client Sample #: B-4 @ 7.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 11:20	Site:	
Sample #: <u>380064-017</u>	Client Sample #: B-5 @ 1.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 11:25	Site:	
Sample #: <u>380064-018</u>	Client Sample #: B-5 @ 3.0'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 11:30	Site:	
Sample #: <u>380064-019</u>	Client Sample #: B-5 @ 4.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 11:39	Site:	
Sample #: <u>380064-020</u>	Client Sample #: B-5 @ 6'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 12:00	Site:	
Sample #: <u>380064-021</u>	Client Sample #: B-6 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	4.65	1	1	mg/Kg		06/30/16	KLN
Barium	323	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	26.3	1	1	mg/Kg		06/30/16	KLN
Cobalt	9.74	1	0.5	mg/Kg		06/30/16	KLN
Copper	11.0	1	1	mg/Kg		06/30/16	KLN
Lead	5.64	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	7.36	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	52.1	1	0.5	mg/Kg		06/30/16	KLN
Zinc	55.7	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/22/2016 12:06

Site:

Sample #: **380064-022**

Client Sample #: B-6 @ 3.0'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	2.20	1	1	mg/Kg		06/30/16	KLN
Barium	241	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	9.80	1	1	mg/Kg		06/30/16	KLN
Cobalt	7.61	1	0.5	mg/Kg		06/30/16	KLN
Copper	9.88	1	1	mg/Kg		06/30/16	KLN
Lead	4.69	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	4.04	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	31.2	1	0.5	mg/Kg		06/30/16	KLN
Zinc	47.8	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 12:17	Site:	
Sample #: <u>380064-023</u>	Client Sample #: B-6 @ 4.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	2.29	1	1	mg/Kg		06/30/16	KLN
Barium	2420	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	31.3	1	1	mg/Kg		06/30/16	KLN
Cobalt	6.20	1	0.5	mg/Kg		06/30/16	KLN
Copper	12.9	1	1	mg/Kg		06/30/16	KLN
Lead	4.81	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	10.2	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	40.8	1	0.5	mg/Kg		06/30/16	KLN
Zinc	54.6	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 13:20	Site:	
Sample #: <u>380064-024</u>	Client Sample #: B-7 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	4.10	1	1	mg/Kg		06/30/16	KLN
Barium	356	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	14.6	1	1	mg/Kg		06/30/16	KLN
Cobalt	9.89	1	0.5	mg/Kg		06/30/16	KLN
Copper	10.6	1	1	mg/Kg		06/30/16	KLN
Lead	6.35	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	6.45	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	41.4	1	0.5	mg/Kg		06/30/16	KLN
Zinc	47.6	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 13:30	Site:	
Sample #: <u>380064-025</u>	Client Sample #: B-7 @ 3.0'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1169491	
Arsenic	8.14	1	1	mg/Kg	07/29/16	08/01/16	JN

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 13:45	Site:	
Sample #: <u>380064-026</u>	Client Sample #: B-8 @ 1.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 13:48	Site:	
Sample #: <u>380064-027</u>	Client Sample #: B-8 @ 3.0'	Sample Type:

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

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/22/2016 14:23

Site:

Sample #: **380064-028**

Client Sample #: B-9 @ 1.5'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	3.49	1	1	mg/Kg		06/30/16	KLN
Barium	181	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	19.5	1	1	mg/Kg		06/30/16	KLN
Cobalt	8.70	1	0.5	mg/Kg		06/30/16	KLN
Copper	9.74	1	1	mg/Kg		06/30/16	KLN
Lead	3.68	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	7.24	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	45.1	1	0.5	mg/Kg		06/30/16	KLN
Zinc	42.2	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/22/2016 14:30

Site:

Sample #: **380064-029**

Client Sample #: B-9 @ 3.0

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	5.62	1	1	mg/Kg		06/30/16	KLN
Barium	484	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	21.9	1	1	mg/Kg		06/30/16	KLN
Cobalt	9.45	1	0.5	mg/Kg		06/30/16	KLN
Copper	15.4	1	1	mg/Kg		06/30/16	KLN
Lead	4.53	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	10.5	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	48.8	1	0.5	mg/Kg		06/30/16	KLN
Zinc	57.0	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 14:34	Site:	
Sample #: <u>380064-030</u>	Client Sample #: B-9 @ 4.5	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	4.10	1	1	mg/Kg		06/30/16	KLN
Barium	193	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	33.9	1	1	mg/Kg		06/30/16	KLN
Cobalt	8.79	1	0.5	mg/Kg		06/30/16	KLN
Copper	12.5	1	1	mg/Kg		06/30/16	KLN
Lead	4.07	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	8.44	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	49.1	1	0.5	mg/Kg		06/30/16	KLN
Zinc	50.1	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 14:40	Site:	
Sample #: <u>380064-031</u>	Client Sample #: B-9 @ 6'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	3.63	1	1	mg/Kg		06/30/16	KLN
Barium	145	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	21.4	1	1	mg/Kg		06/30/16	KLN
Cobalt	8.46	1	0.5	mg/Kg		06/30/16	KLN
Copper	9.80	1	1	mg/Kg		06/30/16	KLN
Lead	3.76	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	7.46	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	47.9	1	0.5	mg/Kg		06/30/16	KLN
Zinc	46.6	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 14:45	Site:	
Sample #: <u>380064-032</u>	Client Sample #: B-9 @ 7.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	4.14	1	1	mg/Kg		06/30/16	KLN
Barium	129	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	26.2	1	1	mg/Kg		06/30/16	KLN
Cobalt	9.06	1	0.5	mg/Kg		06/30/16	KLN
Copper	12.1	1	1	mg/Kg		06/30/16	KLN
Lead	5.20	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	9.95	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	56.4	1	0.5	mg/Kg		06/30/16	KLN
Zinc	51.2	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 14:50	Site:	
Sample #: <u>380064-033</u>	Client Sample #: B-9 @ 9.0'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 14:57	Site:	
Sample #: <u>380064-034</u>	Client Sample #: B-9 @ 10.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	4.04	1	1	mg/Kg		06/30/16	KLN
Barium	192	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	26.7	1	1	mg/Kg		06/30/16	KLN
Cobalt	10.2	1	0.5	mg/Kg		06/30/16	KLN
Copper	12.6	1	1	mg/Kg		06/30/16	KLN
Lead	5.00	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	9.66	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	55.8	1	0.5	mg/Kg		06/30/16	KLN
Zinc	49.0	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 15:07	Site:	
Sample #: <u>380064-035</u>	Client Sample #: B-9 @ 12'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 15:17	Site:	
Sample #: <u>380064-036</u>	Client Sample #: B-10 @ 1.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 15:27	Site:	
Sample #: <u>380064-037</u>	Client Sample #: B-10 @ 36	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 15:35	Site:	
Sample #: <u>380064-038</u>	Client Sample #: B-11 @ 1.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 15:45	Site:	
Sample #: <u>380064-039</u>	Client Sample #: B-11 @ 3'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	2.82	1	1	mg/Kg		06/30/16	KLN
Barium	116	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	19.0	1	1	mg/Kg		06/30/16	KLN
Cobalt	10.3	1	0.5	mg/Kg		06/30/16	KLN
Copper	8.04	1	1	mg/Kg		06/30/16	KLN
Lead	3.67	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	6.56	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	42.4	1	0.5	mg/Kg		06/30/16	KLN
Zinc	43.6	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 16:03	Site:	
Sample #: <u>380064-040</u>	Client Sample #: B-12 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	3.26	1	1	mg/Kg		06/30/16	KLN
Barium	213	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	23.4	1	1	mg/Kg		06/30/16	KLN
Cobalt	8.68	1	0.5	mg/Kg		06/30/16	KLN
Copper	12.3	1	1	mg/Kg		06/30/16	KLN
Lead	3.44	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	8.11	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	52.0	1	0.5	mg/Kg		06/30/16	KLN
Zinc	54.4	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/22/2016 16:08	Site:	
Sample #: <u>380064-041</u>	Client Sample #: B-12 @ 3'	Sample Type:

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

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/23/2016 08:46

Site:

Sample #: **380064-042**

Client Sample #: B-13 @ 1.5'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	7.06	1	1	mg/Kg		06/30/16	KLN
Barium	234	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	15.6	1	1	mg/Kg		06/30/16	KLN
Cobalt	6.03	1	0.5	mg/Kg		06/30/16	KLN
Copper	10.2	1	1	mg/Kg		06/30/16	KLN
Lead	3.11	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	5.71	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	38.3	1	0.5	mg/Kg		06/30/16	KLN
Zinc	39.9	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 08:50	Site:	
Sample #: <u>380064-043</u>	Client Sample #: B-13 @ 3'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	15.3	1	1	mg/Kg		06/30/16	KLN
Barium	174	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	19.9	1	1	mg/Kg		06/30/16	KLN
Cobalt	8.12	1	0.5	mg/Kg		06/30/16	KLN
Copper	15.0	1	1	mg/Kg		06/30/16	KLN
Lead	5.88	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	7.18	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	49.2	1	0.5	mg/Kg		06/30/16	KLN
Zinc	53.6	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 08:55	Site:	
Sample #: <u>380064-044</u>	Client Sample #: B-13 @ 4.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 09:00	Site:	
Sample #: <u>380064-045</u>	Client Sample #: B-13 @ 6'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	21.2	1	1	mg/Kg		06/30/16	KLN
Barium	260	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	18.0	1	1	mg/Kg		06/30/16	KLN
Cobalt	7.55	1	0.5	mg/Kg		06/30/16	KLN
Copper	14.0	1	1	mg/Kg		06/30/16	KLN
Lead	4.12	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	6.32	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	47.2	1	0.5	mg/Kg		06/30/16	KLN
Zinc	47.4	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 09:05	Site:	
Sample #: <u>380064-046</u>	Client Sample #: B-13 @ 7.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 09:10	Site:	
Sample #: <u>380064-047</u>	Client Sample #: B-13 @ 9'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 09:23	Site:	
Sample #: <u>380064-048</u>	Client Sample #: B-14 @ 1.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 09:26	Site:	
Sample #: <u>380064-049</u>	Client Sample #: B-14 @ 3'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 09:31	Site:	
Sample #: <u>380064-050</u>	Client Sample #: B-14 @ 4.5	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168725	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	6.38	1	1	mg/Kg		06/30/16	KLN
Barium	448	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	20.7	1	1	mg/Kg		06/30/16	KLN
Cobalt	5.10	1	0.5	mg/Kg		06/30/16	KLN
Copper	8.90	1	1	mg/Kg		06/30/16	KLN
Lead	3.29	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	6.03	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	49.9	1	0.5	mg/Kg		06/30/16	KLN
Zinc	39.9	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168732	
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 09:47	Site:	
Sample #: <u>380064-051</u>	Client Sample #: B-15 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	9.44	1	1	mg/Kg		06/30/16	KLN
Barium	152	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	12.5	1	1	mg/Kg		06/30/16	KLN
Cobalt	11.6	1	0.5	mg/Kg		06/30/16	KLN
Copper	7.59	1	1	mg/Kg		06/30/16	KLN
Lead	14.8	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	8.94	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	52.6	1	0.5	mg/Kg		06/30/16	KLN
Zinc	58.4	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 09:50	Site:	
Sample #: <u>380064-052</u>	Client Sample #: B-15 @ 3'	Sample Type:

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

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/23/2016 09:53

Site:

Sample #: **380064-053**

Client Sample #: B-15 @ 4.5'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168727	
Antimony	ND	1	3	mg/Kg	06/30/16	07/01/16	KLN
Arsenic	41.0	1	1	mg/Kg	06/30/16	07/01/16	KLN
Barium	82.3	1	1	mg/Kg	06/30/16	07/01/16	KLN
Beryllium	3.22	1	0.5	mg/Kg	06/30/16	07/01/16	KLN
Cadmium	0.83	1	0.5	mg/Kg	06/30/16	07/01/16	KLN
Chromium	26.1	1	1	mg/Kg	06/30/16	07/01/16	KLN
Cobalt	4.63	1	0.5	mg/Kg	06/30/16	07/01/16	KLN
Copper	7.48	1	1	mg/Kg	06/30/16	07/01/16	KLN
Lead	16.5	1	0.5	mg/Kg	06/30/16	07/01/16	KLN
Molybdenum	ND	1	1	mg/Kg	06/30/16	07/01/16	KLN
Nickel	3.26	1	1.5	mg/Kg	06/30/16	07/01/16	KLN
Selenium	ND	1	1	mg/Kg	06/30/16	07/01/16	KLN
Silver	ND	1	0.5	mg/Kg	06/30/16	07/01/16	KLN
Thallium	ND	1	1	mg/Kg	06/30/16	07/01/16	KLN
Vanadium	41.5	1	0.5	mg/Kg	06/30/16	07/01/16	KLN
Zinc	30.7	1	5	mg/Kg	06/30/16	07/01/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 10:00	Site:	
Sample #: <u>380064-054</u>	Client Sample #: B-15 @ 6'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168727	
Antimony	ND	1	3	mg/Kg	06/30/16	07/01/16	KLN
Arsenic	6.18	1	1	mg/Kg	06/30/16	07/01/16	KLN
Barium	268	1	1	mg/Kg	06/30/16	07/01/16	KLN
Beryllium	ND	1	0.5	mg/Kg	06/30/16	07/01/16	KLN
Cadmium	ND	1	0.5	mg/Kg	06/30/16	07/01/16	KLN
Chromium	19.3	1	1	mg/Kg	06/30/16	07/01/16	KLN
Cobalt	7.60	1	0.5	mg/Kg	06/30/16	07/01/16	KLN
Copper	13.6	1	1	mg/Kg	06/30/16	07/01/16	KLN
Lead	4.26	1	0.5	mg/Kg	06/30/16	07/01/16	KLN
Molybdenum	ND	1	1	mg/Kg	06/30/16	07/01/16	KLN
Nickel	8.40	1	1.5	mg/Kg	06/30/16	07/01/16	KLN
Selenium	ND	1	1	mg/Kg	06/30/16	07/01/16	KLN
Silver	ND	1	0.5	mg/Kg	06/30/16	07/01/16	KLN
Thallium	ND	1	1	mg/Kg	06/30/16	07/01/16	KLN
Vanadium	45.0	1	0.5	mg/Kg	06/30/16	07/01/16	KLN
Zinc	48.0	1	5	mg/Kg	06/30/16	07/01/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/23/2016 10:12

Site:

Sample #: **380064-055**

Client Sample #: B-16 @ 1.5'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	13.6	1	1	mg/Kg		06/30/16	KLN
Barium	152	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	16.8	1	1	mg/Kg		06/30/16	KLN
Cobalt	8.01	1	0.5	mg/Kg		06/30/16	KLN
Copper	13.7	1	1	mg/Kg		06/30/16	KLN
Lead	5.17	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	6.51	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	45.7	1	0.5	mg/Kg		06/30/16	KLN
Zinc	50.6	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 10:40	Site:	
Sample #: <u>380064-056</u>	Client Sample #: B-17 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168720	
Antimony	ND	1	3	mg/Kg	06/30/16	06/30/16	JN
Arsenic	6.92	1	1	mg/Kg	06/30/16	06/30/16	JN
Barium	267	1	1	mg/Kg	06/30/16	06/30/16	JN
Beryllium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Cadmium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Chromium	25.8	1	1	mg/Kg	06/30/16	06/30/16	JN B
Cobalt	10.2	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Copper	12.4	1	1	mg/Kg	06/30/16	06/30/16	JN
Lead	4.80	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Molybdenum	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Nickel	8.77	1	1.5	mg/Kg	06/30/16	06/30/16	JN
Selenium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Silver	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Thallium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Vanadium	63.1	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Zinc	45.3	1	5	mg/Kg	06/30/16	06/30/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 10:45	Site:	
Sample #: <u>380064-057</u>	Client Sample #: B-17 @ 3.0'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 10:50	Site:	
Sample #: <u>380064-058</u>	Client Sample #: B-17 @ 4.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168720	
Antimony	ND	1	3	mg/Kg	06/30/16	06/30/16	JN
Arsenic	7.88	1	1	mg/Kg	06/30/16	06/30/16	JN
Barium	515	1	1	mg/Kg	06/30/16	06/30/16	JN
Beryllium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Cadmium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Chromium	24.4	1	1	mg/Kg	06/30/16	06/30/16	JN B
Cobalt	9.15	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Copper	14.5	1	1	mg/Kg	06/30/16	06/30/16	JN
Lead	4.80	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Molybdenum	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Nickel	10.1	1	1.5	mg/Kg	06/30/16	06/30/16	JN
Selenium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Silver	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Thallium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Vanadium	63.0	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Zinc	91.4	1	5	mg/Kg	06/30/16	06/30/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 10:55	Site:	
Sample #: <u>380064-059</u>	Client Sample #: B-17 @ 6'	Sample Type:

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

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/23/2016 11:00

Site:

Sample #: **380064-060**

Client Sample #: B-17 @ 7.5'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168720	
Antimony	ND	1	3	mg/Kg	06/30/16	06/30/16	JN
Arsenic	6.36	1	1	mg/Kg	06/30/16	06/30/16	JN
Barium	370	1	1	mg/Kg	06/30/16	06/30/16	JN
Beryllium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Cadmium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Chromium	19.4	1	1	mg/Kg	06/30/16	06/30/16	JN B
Cobalt	6.24	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Copper	11.8	1	1	mg/Kg	06/30/16	06/30/16	JN
Lead	3.74	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Molybdenum	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Nickel	5.38	1	1.5	mg/Kg	06/30/16	06/30/16	JN
Selenium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Silver	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Thallium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Vanadium	50.7	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Zinc	46.2	1	5	mg/Kg	06/30/16	06/30/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 11:05	Site:	
Sample #: <u>380064-061</u>	Client Sample #: B-17 @ 9'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168720	
Antimony	ND	1	3	mg/Kg	06/30/16	06/30/16	JN
Arsenic	6.19	1	1	mg/Kg	06/30/16	06/30/16	JN
Barium	299	1	1	mg/Kg	06/30/16	06/30/16	JN
Beryllium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Cadmium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Chromium	22.2	1	1	mg/Kg	06/30/16	06/30/16	JN B
Cobalt	9.47	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Copper	11.7	1	1	mg/Kg	06/30/16	06/30/16	JN
Lead	4.83	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Molybdenum	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Nickel	7.48	1	1.5	mg/Kg	06/30/16	06/30/16	JN
Selenium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Silver	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Thallium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Vanadium	52.4	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Zinc	47.6	1	5	mg/Kg	06/30/16	06/30/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 11:20	Site:	
Sample #: <u>380064-062</u>	Client Sample #: B-18 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1169491	
Arsenic	10.3	1	1	mg/Kg	07/29/16	08/01/16	JN

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/23/2016 11:25

Site:

Sample #: **380064-063**

Client Sample #: B-18 @ 3'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168720	
Antimony	ND	1	3	mg/Kg	06/30/16	06/30/16	JN
Arsenic	5.29	1	1	mg/Kg	06/30/16	06/30/16	JN
Barium	247	1	1	mg/Kg	06/30/16	06/30/16	JN
Beryllium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Cadmium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Chromium	23.0	1	1	mg/Kg	06/30/16	06/30/16	JN B
Cobalt	7.20	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Copper	12.7	1	1	mg/Kg	06/30/16	06/30/16	JN
Lead	3.00	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Molybdenum	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Nickel	8.01	1	1.5	mg/Kg	06/30/16	06/30/16	JN
Selenium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Silver	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Thallium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Vanadium	45.4	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Zinc	43.1	1	5	mg/Kg	06/30/16	06/30/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 11:30	Site:	
Sample #: <u>380064-064</u>	Client Sample #: B-18 @ 4.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168720	
Antimony	ND	1	3	mg/Kg	06/30/16	06/30/16	JN
Arsenic	8.48	1	1	mg/Kg	06/30/16	06/30/16	JN
Barium	622	1	1	mg/Kg	06/30/16	06/30/16	JN
Beryllium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Cadmium	0.89	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Chromium	35.0	1	1	mg/Kg	06/30/16	06/30/16	JN B
Cobalt	10.0	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Copper	17.8	1	1	mg/Kg	06/30/16	06/30/16	JN
Lead	4.26	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Molybdenum	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Nickel	8.35	1	1.5	mg/Kg	06/30/16	06/30/16	JN
Selenium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Silver	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Thallium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Vanadium	77.6	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Zinc	52.8	1	5	mg/Kg	06/30/16	06/30/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 11:35	Site:	
Sample #: <u>380064-065</u>	Client Sample #: B-18 @ 6'	Sample Type:

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

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/23/2016 11:40

Site:

Sample #: **380064-066**

Client Sample #: B-18 @ 7.5'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168720	
Antimony	ND	1	3	mg/Kg	06/30/16	06/30/16	JN
Arsenic	5.73	1	1	mg/Kg	06/30/16	06/30/16	JN
Barium	633	1	1	mg/Kg	06/30/16	06/30/16	JN
Beryllium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Cadmium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Chromium	21.4	1	1	mg/Kg	06/30/16	06/30/16	JN B
Cobalt	6.92	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Copper	11.0	1	1	mg/Kg	06/30/16	06/30/16	JN
Lead	4.01	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Molybdenum	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Nickel	7.78	1	1.5	mg/Kg	06/30/16	06/30/16	JN
Selenium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Silver	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Thallium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Vanadium	50.8	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Zinc	47.2	1	5	mg/Kg	06/30/16	06/30/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/23/2016 11:45

Site:

Sample #: **380064-067**

Client Sample #: B-18 @ 9'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168720	
Antimony	ND	1	3	mg/Kg	06/30/16	06/30/16	JN
Arsenic	8.13	1	1	mg/Kg	06/30/16	06/30/16	JN
Barium	52.8	1	1	mg/Kg	06/30/16	06/30/16	JN
Beryllium	3.62	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Cadmium	0.66	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Chromium	18.1	1	1	mg/Kg	06/30/16	06/30/16	JN B
Cobalt	13.2	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Copper	28.7	1	1	mg/Kg	06/30/16	06/30/16	JN
Lead	2.80	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Molybdenum	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Nickel	15.4	1	1.5	mg/Kg	06/30/16	06/30/16	JN
Selenium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Silver	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Thallium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Vanadium	55.2	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Zinc	118	1	5	mg/Kg	06/30/16	06/30/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	0.14	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 12:05	Site:	
Sample #: <u>380064-068</u>	Client Sample #: B-19 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168720	
Antimony	ND	1	3	mg/Kg	06/30/16	06/30/16	JN
Arsenic	5.84	1	1	mg/Kg	06/30/16	06/30/16	JN
Barium	211	1	1	mg/Kg	06/30/16	06/30/16	JN
Beryllium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Cadmium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Chromium	20.8	1	1	mg/Kg	06/30/16	06/30/16	JN B
Cobalt	8.69	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Copper	10.4	1	1	mg/Kg	06/30/16	06/30/16	JN
Lead	5.08	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Molybdenum	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Nickel	7.65	1	1.5	mg/Kg	06/30/16	06/30/16	JN
Selenium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Silver	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Thallium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Vanadium	48.4	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Zinc	42.0	1	5	mg/Kg	06/30/16	06/30/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	0.14	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 12:10	Site:	
Sample #: <u>380064-069</u>	Client Sample #: B-19 @ 3.0'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 12:15	Site:	
Sample #: <u>380064-070</u>	Client Sample #: B-19 @ 4.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168720	
Antimony	ND	1	3	mg/Kg	06/30/16	06/30/16	JN
Arsenic	7.39	1	1	mg/Kg	06/30/16	06/30/16	JN
Barium	239	1	1	mg/Kg	06/30/16	06/30/16	JN
Beryllium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Cadmium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Chromium	29.7	1	1	mg/Kg	06/30/16	06/30/16	JN B
Cobalt	11.5	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Copper	14.1	1	1	mg/Kg	06/30/16	06/30/16	JN
Lead	3.95	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Molybdenum	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Nickel	9.65	1	1.5	mg/Kg	06/30/16	06/30/16	JN
Selenium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Silver	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Thallium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Vanadium	59.2	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Zinc	40.6	1	5	mg/Kg	06/30/16	06/30/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 12:20	Site:	
Sample #: <u>380064-071</u>	Client Sample #: B-19 @ 6'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 13:45	Site:	
Sample #: <u>380064-072</u>	Client Sample #: B-20 @ 1.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 13:50	Site:	
Sample #: <u>380064-073</u>	Client Sample #: B-20 @ 3.0'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 13:55	Site:	
Sample #: <u>380064-074</u>	Client Sample #: B-20 @ 4.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168720	
Antimony	ND	1	3	mg/Kg	06/30/16	06/30/16	JN
Arsenic	5.80	1	1	mg/Kg	06/30/16	06/30/16	JN
Barium	114	1	1	mg/Kg	06/30/16	06/30/16	JN
Beryllium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Cadmium	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Chromium	47.1	1	1	mg/Kg	06/30/16	06/30/16	JN B
Cobalt	11.6	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Copper	13.0	1	1	mg/Kg	06/30/16	06/30/16	JN
Lead	4.02	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Molybdenum	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Nickel	13.0	1	1.5	mg/Kg	06/30/16	06/30/16	JN
Selenium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Silver	ND	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Thallium	ND	1	1	mg/Kg	06/30/16	06/30/16	JN
Vanadium	45.2	1	0.5	mg/Kg	06/30/16	06/30/16	JN
Zinc	52.1	1	5	mg/Kg	06/30/16	06/30/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168734	
Mercury	0.15	1	0.14	mg/Kg	07/01/16	07/01/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 14:38	Site:	
Sample #: <u>380064-075</u>	Client Sample #: B-21 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1169491	
Arsenic	7.57	1	1	mg/Kg	07/29/16	08/01/16	JN

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/23/2016 14:45

Site:

Sample #: **380064-076**

Client Sample #: B-21 @ 3.0'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	7.30	1	1	mg/Kg		06/30/16	KLN
Barium	69.4	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	31.0	1	1	mg/Kg		06/30/16	KLN
Cobalt	11.4	1	0.5	mg/Kg		06/30/16	KLN
Copper	14.2	1	1	mg/Kg		06/30/16	KLN
Lead	1.78	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	12.0	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	54.8	1	0.5	mg/Kg		06/30/16	KLN
Zinc	37.4	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 14:50	Site:	
Sample #: <u>380064-077</u>	Client Sample #: B-21 @ 4.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	6.00	1	1	mg/Kg		06/30/16	KLN
Barium	332	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	26.2	1	1	mg/Kg		06/30/16	KLN
Cobalt	7.48	1	0.5	mg/Kg		06/30/16	KLN
Copper	10.5	1	1	mg/Kg		06/30/16	KLN
Lead	3.77	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	8.03	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	52.6	1	0.5	mg/Kg		06/30/16	KLN
Zinc	48.0	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 14:55	Site:	
Sample #: <u>380064-078</u>	Client Sample #: B-21 @ 6.0'	Sample Type:

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

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/23/2016 14:59

Site:

Sample #: **380064-079**

Client Sample #: B-21 @ 7.5'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	6.09	1	1	mg/Kg		06/30/16	KLN
Barium	453	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	16.9	1	1	mg/Kg		06/30/16	KLN
Cobalt	7.10	1	0.5	mg/Kg		06/30/16	KLN
Copper	12.3	1	1	mg/Kg		06/30/16	KLN
Lead	4.56	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	6.73	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	51.1	1	0.5	mg/Kg		06/30/16	KLN
Zinc	48.6	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/23/2016 15:20

Site:

Sample #: **380064-080**

Client Sample #: B-22 @ 1.5'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	10.4	1	1	mg/Kg		06/30/16	KLN
Barium	265	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	21.0	1	1	mg/Kg		06/30/16	KLN
Cobalt	8.67	1	0.5	mg/Kg		06/30/16	KLN
Copper	10.3	1	1	mg/Kg		06/30/16	KLN
Lead	1.77	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	8.70	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	45.8	1	0.5	mg/Kg		06/30/16	KLN
Zinc	49.5	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 15:25	Site:	
Sample #: <u>380064-081</u>	Client Sample #: B-22 @ 3.0'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	6.69	1	1	mg/Kg		06/30/16	KLN
Barium	142	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	17.1	1	1	mg/Kg		06/30/16	KLN
Cobalt	8.01	1	0.5	mg/Kg		06/30/16	KLN
Copper	8.69	1	1	mg/Kg		06/30/16	KLN
Lead	3.65	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	6.47	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	43.2	1	0.5	mg/Kg		06/30/16	KLN
Zinc	38.8	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 15:30	Site:	
Sample #: <u>380064-082</u>	Client Sample #: B-22 @ 4.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 16:00	Site:	
Sample #: <u>380064-083</u>	Client Sample #: B-22 @ 6.0'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	8.09	1	1	mg/Kg		06/30/16	KLN
Barium	461	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	23.6	1	1	mg/Kg		06/30/16	KLN
Cobalt	8.72	1	0.5	mg/Kg		06/30/16	KLN
Copper	12.4	1	1	mg/Kg		06/30/16	KLN
Lead	4.18	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	8.46	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	56.5	1	0.5	mg/Kg		06/30/16	KLN
Zinc	48.2	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 16:04	Site:	
Sample #: <u>380064-084</u>	Client Sample #: B-23 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1169491	
Arsenic	5.63	1	1	mg/Kg	07/29/16	08/01/16	JN

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/23/2016 16:10

Site:

Sample #: **380064-085**

Client Sample #: B-23 @ 3.0'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	5.86	1	1	mg/Kg		06/30/16	KLN
Barium	134	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	30.3	1	1	mg/Kg		06/30/16	KLN
Cobalt	10.8	1	0.5	mg/Kg		06/30/16	KLN
Copper	13.7	1	1	mg/Kg		06/30/16	KLN
Lead	3.02	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	9.57	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	57.7	1	0.5	mg/Kg		06/30/16	KLN
Zinc	43.6	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 16:15	Site:	
Sample #: <u>380064-086</u>	Client Sample #: B-23 @ 4.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	6.93	1	1	mg/Kg		06/30/16	KLN
Barium	509	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	25.5	1	1	mg/Kg		06/30/16	KLN
Cobalt	7.92	1	0.5	mg/Kg		06/30/16	KLN
Copper	12.5	1	1	mg/Kg		06/30/16	KLN
Lead	4.26	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	8.28	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	57.1	1	0.5	mg/Kg		06/30/16	KLN
Zinc	52.5	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 16:18	Site:	
Sample #: <u>380064-087</u>	Client Sample #: B-23 @ 6'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	5.25	1	1	mg/Kg		06/30/16	KLN
Barium	121	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	29.0	1	1	mg/Kg		06/30/16	KLN
Cobalt	11.0	1	0.5	mg/Kg		06/30/16	KLN
Copper	14.5	1	1	mg/Kg		06/30/16	KLN
Lead	2.90	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	11.5	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	55.2	1	0.5	mg/Kg		06/30/16	KLN
Zinc	45.3	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 16:18	Site:	
Sample #: <u>380064-088</u>	Client Sample #: B-23 @ 7.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/23/2016 16:22	Site:	
Sample #: <u>380064-089</u>	Client Sample #: B-23 @ 9.0'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	4.83	1	1	mg/Kg		06/30/16	KLN
Barium	376	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	15.1	1	1	mg/Kg		06/30/16	KLN
Cobalt	7.45	1	0.5	mg/Kg		06/30/16	KLN
Copper	8.58	1	1	mg/Kg		06/30/16	KLN
Lead	3.48	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	5.94	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	43.5	1	0.5	mg/Kg		06/30/16	KLN
Zinc	44.6	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 07:30	Site:	
Sample #: <u>380064-090</u>	Client Sample #: B-24 @ 1.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 07:35	Site:	
Sample #: <u>380064-091</u>	Client Sample #: B-24 @ 3.0'	Sample Type:

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

Matrix: Solid

Client: Construction Testing & Engineering Inc.

Collector: client

Sampled: 06/24/2016 07:41

Site:

Sample #: **380064-092**

Client Sample #: B-24 @ 4.5'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	10.1	1	1	mg/Kg		06/30/16	KLN
Barium	227	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	22.5	1	1	mg/Kg		06/30/16	KLN
Cobalt	11.7	1	0.5	mg/Kg		06/30/16	KLN
Copper	14.0	1	1	mg/Kg		06/30/16	KLN
Lead	2.86	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	10.7	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	53.4	1	0.5	mg/Kg		06/30/16	KLN
Zinc	57.5	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 08:08	Site:	
Sample #: <u>380064-093</u>	Client Sample #: B-25 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	10.2	1	1	mg/Kg		06/30/16	KLN
Barium	83.4	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	20.7	1	1	mg/Kg		06/30/16	KLN
Cobalt	9.61	1	0.5	mg/Kg		06/30/16	KLN
Copper	8.86	1	1	mg/Kg		06/30/16	KLN
Lead	1.34	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	16.5	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	41.7	1	0.5	mg/Kg		06/30/16	KLN
Zinc	53.8	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 08:18	Site:	
Sample #: <u>380064-094</u>	Client Sample #: B-26 @ 4.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 08:42	Site:	
Sample #: <u>380064-095</u>	Client Sample #: B-26 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168823	
Antimony	ND	1	3	mg/Kg	07/05/16	07/06/16	JN
Arsenic	10.7	1	1	mg/Kg	07/05/16	07/06/16	JN
Barium	298	1	1	mg/Kg	07/05/16	07/06/16	JN
Beryllium	ND	1	0.5	mg/Kg	07/05/16	07/06/16	JN
Cadmium	0.59	1	0.5	mg/Kg	07/05/16	07/06/16	JN
Chromium	24.6	1	1	mg/Kg	07/05/16	07/06/16	JN
Cobalt	11.0	1	0.5	mg/Kg	07/05/16	07/06/16	JN
Copper	16.4	1	1	mg/Kg	07/05/16	07/06/16	JN
Lead	3.83	1	0.5	mg/Kg	07/05/16	07/06/16	JN
Molybdenum	ND	1	1	mg/Kg	07/05/16	07/06/16	JN
Nickel	11.0	1	1.5	mg/Kg	07/05/16	07/06/16	JN
Selenium	ND	1	1	mg/Kg	07/05/16	07/06/16	JN
Silver	ND	1	0.5	mg/Kg	07/05/16	07/06/16	JN
Thallium	ND	1	1	mg/Kg	07/05/16	07/06/16	JN
Vanadium	56.6	1	0.5	mg/Kg	07/05/16	07/06/16	JN
Zinc	61.1	1	5	mg/Kg	07/05/16	07/06/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168832	
Mercury	ND	1	0.14	mg/Kg	07/05/16	07/05/16	JP
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 08:48	Site:	
Sample #: <u>380064-096</u>	Client Sample #: B-26 @ 3.0'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 09:04	Site:	
Sample #: <u>380064-097</u>	Client Sample #: B-26 @ 4.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 09:06	Site:	
Sample #: <u>380064-098</u>	Client Sample #: B-26 @ 6'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	8.91	1	1	mg/Kg		06/30/16	KLN
Barium	146	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	23.5	1	1	mg/Kg		06/30/16	KLN
Cobalt	9.85	1	0.5	mg/Kg		06/30/16	KLN
Copper	11.6	1	1	mg/Kg		06/30/16	KLN
Lead	3.39	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	8.62	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	59.0	1	0.5	mg/Kg		06/30/16	KLN
Zinc	48.2	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 09:15	Site:	
Sample #: <u>380064-099</u>	Client Sample #: B-26 @ 7.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 09:20	Site:	
Sample #: <u>380064-100</u>	Client Sample #: B-26 @ 9'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	10.1	1	1	mg/Kg		06/30/16	KLN
Barium	220	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	44.6	1	1	mg/Kg		06/30/16	KLN
Cobalt	9.94	1	0.5	mg/Kg		06/30/16	KLN
Copper	12.2	1	1	mg/Kg		06/30/16	KLN
Lead	3.26	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	9.16	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	61.4	1	0.5	mg/Kg		06/30/16	KLN
Zinc	50.7	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 09:25	Site:	
Sample #: <u>380064-101</u>	Client Sample #: B-26 @ 10.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	7.81	1	1	mg/Kg		06/30/16	KLN
Barium	270	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	27.5	1	1	mg/Kg		06/30/16	KLN
Cobalt	10.2	1	0.5	mg/Kg		06/30/16	KLN
Copper	12.2	1	1	mg/Kg		06/30/16	KLN
Lead	4.03	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	10.0	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	63.5	1	0.5	mg/Kg		06/30/16	KLN
Zinc	57.8	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 09:30	Site:	
Sample #: <u>380064-102</u>	Client Sample #: B-26 @ 12'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		06/30/16	KLN
Arsenic	11.7	1	1	mg/Kg		06/30/16	KLN
Barium	258	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	28.6	1	1	mg/Kg		06/30/16	KLN
Cobalt	8.64	1	0.5	mg/Kg		06/30/16	KLN
Copper	14.2	1	1	mg/Kg		06/30/16	KLN
Lead	2.64	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	8.67	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		06/30/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	56.7	1	0.5	mg/Kg		06/30/16	KLN
Zinc	48.3	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 09:58	Site:	
Sample #: <u>380064-103</u>	Client Sample #: B-27 @ 1.5'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		07/01/16	KLN
Arsenic	10.2	1	1	mg/Kg		06/30/16	KLN
Barium	225	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	25.9	1	1	mg/Kg		06/30/16	KLN
Cobalt	10.4	1	0.5	mg/Kg		06/30/16	KLN
Copper	13.5	1	1	mg/Kg		06/30/16	KLN
Lead	3.13	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	9.25	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		07/01/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	57.6	1	0.5	mg/Kg		06/30/16	KLN
Zinc	51.7	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 10:05	Site:	
Sample #: <u>380064-104</u>	Client Sample #: B-27 @ 3.0'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 10:08	Site:	
Sample #: <u>380064-105</u>	Client Sample #: B-27 @ 4.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 10:50	Site:	
Sample #: <u>380064-106</u>	Client Sample #: B-28 @ 3.0'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 10:56	Site:	
Sample #: <u>380064-107</u>	Client Sample #: B-28 @ 4.5'	Sample Type:

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

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 11:05	Site:	
Sample #: <u>380064-108</u>	Client Sample #: B-28 @ 6'	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1168726	
Antimony	ND	1	3	mg/Kg		07/01/16	KLN
Arsenic	6.11	1	1	mg/Kg		06/30/16	KLN
Barium	404	1	1	mg/Kg		06/30/16	KLN
Beryllium	ND	1	0.5	mg/Kg		06/30/16	KLN
Cadmium	ND	1	0.5	mg/Kg		06/30/16	KLN
Chromium	20.1	1	1	mg/Kg		06/30/16	KLN
Cobalt	7.69	1	0.5	mg/Kg		06/30/16	KLN
Copper	11.9	1	1	mg/Kg		06/30/16	KLN
Lead	2.80	1	0.5	mg/Kg		06/30/16	KLN
Molybdenum	ND	1	1	mg/Kg		06/30/16	KLN
Nickel	7.69	1	1.5	mg/Kg		06/30/16	KLN
Selenium	ND	1	1	mg/Kg		07/01/16	KLN
Silver	ND	1	0.5	mg/Kg		06/30/16	KLN
Thallium	ND	1	1	mg/Kg		06/30/16	KLN
Vanadium	49.3	1	0.5	mg/Kg		06/30/16	KLN
Zinc	47.0	1	5	mg/Kg		06/30/16	KLN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A					QCBatchID: QC1168779	
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8081A <i>NELAC</i>	Prep Method:					QCBatchID:	
See Attached		1					
Method: EPA 8270C <i>NELAC</i>	Prep Method: Method					QCBatchID:	
See Attached		1					

Matrix: Solid	Client: Construction Testing & Engineering Inc.	Collector: client
Sampled: 06/24/2016 11:10	Site:	
Sample #: <u>380064-109</u>	Client Sample #: B-28 @ 7.5'	Sample Type:

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

QCBatchID: **QC1168720**

Analyst: jeannynguye

Method: EPA 6010B

Matrix: Solid

Analyzed: 06/30/2016

Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes	
QC1168720MB1						
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	1.23	mg/Kg		1	B	
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	
QC1168720LCS1											
Antimony	200		234		mg/Kg	117			80-120		
Arsenic	200		220		mg/Kg	110			80-120		
Barium	200		218		mg/Kg	109			80-120		
Beryllium	200		200		mg/Kg	100			80-120		
Cadmium	200		229		mg/Kg	115			80-120		
Chromium	200		222		mg/Kg	111			80-120		
Cobalt	200		224		mg/Kg	112			80-120		
Copper	200		201		mg/Kg	101			80-120		
Lead	200		206		mg/Kg	103			80-120		
Molybdenum	200		218		mg/Kg	109			80-120		
Nickel	200		211		mg/Kg	106			80-120		
Selenium	200		219		mg/Kg	110			80-120		
Silver	100		101		mg/Kg	101			80-120		
Thallium	200		201		mg/Kg	101			80-120		
Vanadium	200		213		mg/Kg	107			80-120		
Zinc	200		212		mg/Kg	106			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	
QC1168720MS1, QC1168720MSD1											Source: 380064-056	
Antimony	ND	100	100	23.4	21.8	mg/Kg	23	22	7.1	75-125	20	M
Arsenic	6.92	100	100	108	106	mg/Kg	101	99	1.9	75-125	20	
Barium	267	100	100	354	338	mg/Kg	87	71	4.6	75-125	20	M
Beryllium	ND	100	100	98.4	95.4	mg/Kg	99	96	3.1	75-125	20	
Cadmium	0.31	100	100	105	102	mg/Kg	105	102	2.9	75-125	20	
Chromium	25.8	100	100	131	126	mg/Kg	105	100	3.9	75-125	20	
Cobalt	10.2	100	100	111	108	mg/Kg	101	98	2.7	75-125	20	
Copper	12.4	100	100	118	118	mg/Kg	106	106	0.0	75-125	20	
Lead	4.80	100	100	103	104	mg/Kg	98	99	1.0	75-125	20	

QCBatchID: <u>QC1168720</u>	Analyst: jeannynguye	Method: EPA 6010B
Matrix: Solid	Analyzed: 06/30/2016	Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1168720MS1, QC1168720MSD1											Source: 380064-056	
Molybdenum	0.30	100	100	82.3	81.0	mg/Kg	82	81	1.6	75-125	20	
Nickel	8.77	100	100	106	105	mg/Kg	97	96	0.9	75-125	20	
Selenium	ND	100	100	95.7	94.8	mg/Kg	101	100	0.9	75-125	20	
Silver	ND	50	50	42.7	42.5	mg/Kg	94	93	0.5	75-125	20	
Thallium	ND	100	100	94.7	91.5	mg/Kg	95	92	3.4	75-125	20	
Vanadium	63.1	100	100	155	155	mg/Kg	92	92	0.0	75-125	20	
Zinc	45.3	100	100	144	138	mg/Kg	99	93	4.3	75-125	20	

QCBatchID: **QC1168725**

Analyst: jeannynguye

Method: EPA 6010B

Matrix: Solid

Analyzed: 06/30/2016

Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1168725MB1				
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	
QC1168725LCS1											
Antimony	200		218		mg/Kg	109			80-120		
Arsenic	200		192		mg/Kg	96			80-120		
Barium	200		212		mg/Kg	106			80-120		
Beryllium	200		191		mg/Kg	96			80-120		
Cadmium	200		216		mg/Kg	108			80-120		
Chromium	200		211		mg/Kg	106			80-120		
Cobalt	200		210		mg/Kg	105			80-120		
Copper	200		192		mg/Kg	96			80-120		
Lead	200		198		mg/Kg	99			80-120		
Molybdenum	200		204		mg/Kg	102			80-120		
Nickel	200		198		mg/Kg	99			80-120		
Selenium	200		182		mg/Kg	91			80-120		
Silver	100		92.4		mg/Kg	92			80-120		
Thallium	200		191		mg/Kg	96			80-120		
Vanadium	200		202		mg/Kg	101			80-120		
Zinc	200		207		mg/Kg	104			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	
QC1168725MS1, QC1168725MSD1												Source: 380064-002
Antimony	ND	100	100	32.8	31.7	mg/Kg	33	32	3.4	75-125	20	M
Arsenic	8.46	100	100	101	100	mg/Kg	93	92	1.0	75-125	20	
Barium	187	100	100	310	276	mg/Kg	123	89	11.6	75-125	20	
Beryllium	ND	100	100	99.4	96.4	mg/Kg	99	96	3.1	75-125	20	
Cadmium	ND	100	100	103	102	mg/Kg	103	102	1.0	75-125	20	
Chromium	26.1	100	100	126	120	mg/Kg	100	94	4.9	75-125	20	
Cobalt	7.26	100	100	105	105	mg/Kg	98	98	0.0	75-125	20	
Copper	11.2	100	100	111	106	mg/Kg	100	95	4.6	75-125	20	
Lead	4.34	100	100	102	104	mg/Kg	98	100	1.9	75-125	20	

QCBatchID: <u>QC1168725</u>	Analyst: jeannynguye	Method: EPA 6010B
Matrix: Solid	Analyzed: 06/30/2016	Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1168725MS1, QC1168725MSD1											Source: 380064-002	
Molybdenum	ND	100	100	85.6	85.7	mg/Kg	86	86	0.1	75-125	20	
Nickel	7.17	100	100	102	102	mg/Kg	95	95	0.0	75-125	20	
Selenium	ND	100	100	84.4	85.4	mg/Kg	84	85	1.2	75-125	20	
Silver	ND	50	50	40.2	39.8	mg/Kg	80	80	1.0	75-125	20	
Thallium	ND	100	100	91.0	91.7	mg/Kg	91	92	0.8	75-125	20	
Vanadium	51.9	100	100	151	143	mg/Kg	99	91	5.4	75-125	20	
Zinc	44.8	100	100	142	141	mg/Kg	97	96	0.7	75-125	20	

QCBatchID: **QC1168726**

Analyst: jeannynguye

Method: EPA 6010B

Matrix: Solid

Analyzed: 06/30/2016

Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes	
QC1168726MB1						
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	
QC1168726LCS1											
Antimony	200		210		mg/Kg	105			80-120		
Arsenic	200		192		mg/Kg	96			80-120		
Barium	200		206		mg/Kg	103			80-120		
Beryllium	200		190		mg/Kg	95			80-120		
Cadmium	200		219		mg/Kg	110			80-120		
Chromium	200		214		mg/Kg	107			80-120		
Cobalt	200		213		mg/Kg	107			80-120		
Copper	200		194		mg/Kg	97			80-120		
Lead	200		199		mg/Kg	100			80-120		
Molybdenum	200		208		mg/Kg	104			80-120		
Nickel	200		204		mg/Kg	102			80-120		
Selenium	200		183		mg/Kg	92			80-120		
Silver	100		90.5		mg/Kg	91			80-120		
Thallium	200		191		mg/Kg	96			80-120		
Vanadium	200		203		mg/Kg	102			80-120		
Zinc	200		210		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	
QC1168726MS1, QC1168726MSD1												Source: 380064-051
Antimony	ND	100	100	34.8	37.8	mg/Kg	35	38	8.3	75-125	20	M
Arsenic	9.44	100	100	102	93.7	mg/Kg	93	84	8.5	75-125	20	
Barium	152	100	100	244	238	mg/Kg	92	86	2.5	75-125	20	
Beryllium	ND	100	100	99.0	96.7	mg/Kg	99	97	2.4	75-125	20	
Cadmium	ND	100	100	109	102	mg/Kg	109	102	6.6	75-125	20	
Chromium	12.5	100	100	120	111	mg/Kg	108	99	7.8	75-125	20	
Cobalt	11.6	100	100	115	109	mg/Kg	103	97	5.4	75-125	20	
Copper	7.59	100	100	109	106	mg/Kg	101	98	2.8	75-125	20	
Lead	14.8	100	100	110	108	mg/Kg	95	93	1.8	75-125	20	

QCBatchID: <u>QC1168726</u>	Analyst: jeannynguye	Method: EPA 6010B
Matrix: Solid	Analyzed: 06/30/2016	Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1168726MS1, QC1168726MSD1											Source: 380064-051	
Molybdenum	ND	100	100	89.7	86.0	mg/Kg	90	86	4.2	75-125	20	M
Nickel	8.94	100	100	108	103	mg/Kg	99	94	4.7	75-125	20	
Selenium	ND	100	100	81.5	74.9	mg/Kg	82	75	8.4	75-125	20	
Silver	ND	50	50	41.2	38.2	mg/Kg	82	76	7.6	75-125	20	
Thallium	ND	100	100	93.9	88.3	mg/Kg	94	88	6.1	75-125	20	
Vanadium	52.6	100	100	150	146	mg/Kg	97	93	2.7	75-125	20	
Zinc	58.4	100	100	165	157	mg/Kg	107	99	5.0	75-125	20	

QCBatchID: **QC1168727**

Analyst: jeannynguye

Method: EPA 6010B

Matrix: Solid

Analyzed: 06/30/2016

Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1168727MB1				
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	
QC1168727LCS1											
Antimony	200		226		mg/Kg	113			80-120		
Arsenic	200		201		mg/Kg	101			80-120		
Barium	200		212		mg/Kg	106			80-120		
Beryllium	200		198		mg/Kg	99			80-120		
Cadmium	200		219		mg/Kg	110			80-120		
Chromium	200		215		mg/Kg	108			80-120		
Cobalt	200		218		mg/Kg	109			80-120		
Copper	200		196		mg/Kg	98			80-120		
Lead	200		195		mg/Kg	98			80-120		
Molybdenum	200		203		mg/Kg	102			80-120		
Nickel	200		200		mg/Kg	100			80-120		
Selenium	200		192		mg/Kg	96			80-120		
Silver	100		102		mg/Kg	102			80-120		
Thallium	200		192		mg/Kg	96			80-120		
Vanadium	200		207		mg/Kg	104			80-120		
Zinc	200		208		mg/Kg	104			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	
QC1168727MS1, QC1168727MSD1											Source: 380076-001	
Antimony	ND	100	100	24.6	25.4	mg/Kg	28	29	3.2	75-125	20	M
Arsenic	5.55	100	100	99.0	92.8	mg/Kg	93	87	6.5	75-125	20	
Barium	91.1	100	100	191	183	mg/Kg	100	92	4.3	75-125	20	
Beryllium	ND	100	100	96.6	90.8	mg/Kg	98	93	6.2	75-125	20	
Cadmium	ND	100	100	103	98.0	mg/Kg	103	98	5.0	75-125	20	
Chromium	22.1	100	100	121	115	mg/Kg	99	93	5.1	75-125	20	
Cobalt	12.0	100	100	111	104	mg/Kg	99	92	6.5	75-125	20	
Copper	10.2	100	100	112	104	mg/Kg	102	94	7.4	75-125	20	
Lead	9.20	100	100	106	97.9	mg/Kg	97	89	7.9	75-125	20	

QCBatchID: <u>QC1168727</u>	Analyst: jeannynguye	Method: EPA 6010B
Matrix: Solid	Analyzed: 06/30/2016	Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1168727MS1, QC1168727MSD1											Source: 380076-001	
Molybdenum	ND	100	100	86.5	80.3	mg/Kg	87	81	7.4	75-125	20	
Nickel	12.5	100	100	106	98.7	mg/Kg	94	86	7.1	75-125	20	
Selenium	ND	100	100	87.3	82.2	mg/Kg	92	87	6.0	75-125	20	
Silver	ND	50	50	43.8	41.0	mg/Kg	97	91	6.6	75-125	20	
Thallium	ND	100	100	86.9	81.2	mg/Kg	90	85	6.8	75-125	20	
Vanadium	49.3	100	100	146	136	mg/Kg	97	87	7.1	75-125	20	
Zinc	60.4	100	100	158	151	mg/Kg	98	91	4.5	75-125	20	

QCBatchID: <u>QC1168732</u>	Analyst: JParedes	Method: EPA 7471A
Matrix: Solid	Analyzed: 07/01/2016	Instrument: AAICP-HG1

Blank Summary						
Analyte	Blank Result	Units		RDL	Notes	
QC1168732MB1						
Mercury	ND	mg/Kg		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	
QC1168732LCS1											
Mercury	0.83		0.78		mg/Kg	94			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	
QC1168732MS1, QC1168732MSD1											Source: 380064-002	
Mercury	0.10	0.83	0.83	0.88	0.88	mg/Kg	94	94	0.0	75-125	20	

QCBatchID: <u>QC1168734</u>	Analyst: JParedes	Method: EPA 7471A
Matrix: Solid	Analyzed: 07/01/2016	Instrument: AAICP-HG1

Blank Summary						
Analyte	Blank Result	Units		RDL	Notes	
QC1168734MB1						
Mercury	ND	mg/Kg		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	
QC1168734LCS1											
Mercury	0.83		0.96		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	
QC1168734MS1, QC1168734MSD1											Source: 380064-056	
Mercury	0.06	0.83	0.83	0.88	0.85	mg/Kg	99	95	3.5	75-125	20	

QCBatchID: <u>QC1168779</u>	Analyst: mhuo	Method: EPA 7471A
Matrix: Solid	Analyzed: 07/01/2016	Instrument: AAICP (group)

Blank Summary						
Analyte	Blank Result	Units		RDL	Notes	
QC1168779MB1						
Mercury	ND	mg/Kg		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	
QC1168779LCS1											
Mercury	0.83		0.82		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	
QC1168779MS1, QC1168779MSD1											Source: 380064-051	
Mercury	ND	0.83	0.83	0.80	0.76	mg/Kg	94	89	5.1	75-125	20	

QCBatchID: **QC1168823**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 07/05/2016

Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1168823MB1				
Aluminum	ND	mg/Kg	5	
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	
QC1168823LCS1											
Antimony	200		234		mg/Kg	117			80-120		
Arsenic	200		204		mg/Kg	102			80-120		
Barium	200		216		mg/Kg	108			80-120		
Beryllium	200		202		mg/Kg	101			80-120		
Cadmium	200		222		mg/Kg	111			80-120		
Chromium	200		218		mg/Kg	109			80-120		
Cobalt	200		217		mg/Kg	109			80-120		
Copper	200		189		mg/Kg	95			80-120		
Lead	200		212		mg/Kg	106			80-120		
Molybdenum	200		218		mg/Kg	109			80-120		
Nickel	200		211		mg/Kg	106			80-120		
Selenium	200		195		mg/Kg	98			80-120		
Silver	100		104		mg/Kg	104			80-120		
Thallium	200		202		mg/Kg	101			80-120		
Vanadium	200		209		mg/Kg	105			80-120		
Zinc	200		211		mg/Kg	106			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		
QC1168823MS1, QC1168823MSD1											Source: 380149-001	
Antimony	ND	100	100	39.9	41.1	mg/Kg	40	41	3.0	75-125	20	M
Arsenic	2.29	100	100	108	111	mg/Kg	106	109	2.7	75-125	20	
Barium	41.7	100	100	144	154	mg/Kg	102	112	6.7	75-125	20	
Beryllium	ND	100	100	102	105	mg/Kg	102	105	2.9	75-125	20	
Cadmium	0.77	100	100	109	112	mg/Kg	108	111	2.7	75-125	20	
Chromium	39.0	100	100	132	136	mg/Kg	93	97	3.0	75-125	20	
Cobalt	6.62	100	100	108	112	mg/Kg	101	105	3.6	75-125	20	
Copper	20.3	100	100	114	118	mg/Kg	94	98	3.4	75-125	20	

QCBatchID: **QC1168823**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 07/05/2016

Instrument: AAICP (group)

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1168823MS1, QC1168823MSD1											Source: 380149-001	
Lead	6.42	100	100	111	112	mg/Kg	105	106	0.9	75-125	20	
Molybdenum	0.46	100	100	104	106	mg/Kg	104	106	1.9	75-125	20	
Nickel	17.1	100	100	114	114	mg/Kg	97	97	0.0	75-125	20	
Selenium	ND	100	100	99.4	102	mg/Kg	99	102	2.6	75-125	20	
Silver	ND	50	50	45.4	48.3	mg/Kg	91	97	6.2	75-125	20	
Thallium	ND	100	100	97.1	98.5	mg/Kg	97	99	1.4	75-125	20	
Vanadium	26.1	100	100	125	133	mg/Kg	99	107	6.2	75-125	20	
Zinc	246	100	100	261	246	mg/Kg	15	0	5.9	75-125	20	M

QCBatchID: <u>QC1168832</u>	Analyst: JParedes	Method: EPA 7471A
Matrix: Solid	Analyzed: 07/05/2016	Instrument: AAICP-HG1

Blank Summary						
Analyte	Blank Result	Units		RDL	Notes	
QC1168832MB1						
Mercury	ND	mg/Kg		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	
QC1168832LCS1											
Mercury	0.83		0.82		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	
QC1168832MS1, QC1168832MSD1											Source: 380151-001	
Mercury	ND	0.83	0.83	0.81	0.72	mg/Kg	98	87	11.8	75-125	20	

QCBatchID: **QC1169491**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 08/01/2016

Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1169491MB1				
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	
QC1169491LCS1											
Antimony	200		235		mg/Kg	118			80-120		
Arsenic	200		204		mg/Kg	102			80-120		
Barium	200		208		mg/Kg	104			80-120		
Beryllium	200		197		mg/Kg	99			80-120		
Cadmium	200		225		mg/Kg	113			80-120		
Chromium	200		218		mg/Kg	109			80-120		
Cobalt	200		220		mg/Kg	110			80-120		
Copper	200		194		mg/Kg	97			80-120		
Lead	200		219		mg/Kg	110			80-120		
Molybdenum	200		210		mg/Kg	105			80-120		
Nickel	200		212		mg/Kg	106			80-120		
Selenium	200		198		mg/Kg	99			80-120		
Silver	200		178		mg/Kg	89			80-120		
Thallium	200		213		mg/Kg	107			80-120		
Vanadium	200		202		mg/Kg	101			80-120		
Zinc	200		215		mg/Kg	108			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	
QC1169491MS1, QC1169491MSD1											Source: 380894-003	
Antimony	ND	100	100	71.5	68.3	mg/Kg	73	70	4.6	75-125	20	M
Arsenic	1.68	100	100	96.3	92.0	mg/Kg	95	90	4.6	75-125	20	
Barium	6.31	100	100	118	114	mg/Kg	112	108	3.4	75-125	20	
Beryllium	ND	100	100	93.9	92.0	mg/Kg	95	93	2.0	75-125	20	
Cadmium	ND	100	100	103	102	mg/Kg	103	102	1.0	75-125	20	
Chromium	7.66	100	100	108	107	mg/Kg	100	99	0.9	75-125	20	
Cobalt	2.04	100	100	102	100	mg/Kg	100	98	2.0	75-125	20	
Copper	0.93	100	100	97.5	102	mg/Kg	97	101	4.5	75-125	20	
Lead	0.49	100	100	103	98.8	mg/Kg	103	98	4.2	75-125	20	

QCBatchID: <u>QC1169491</u>	Analyst: dswafford	Method: EPA 6010B
Matrix: Solid	Analyzed: 08/01/2016	Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1169491MS1, QC1169491MSD1											Source: 380894-003	
Molybdenum	0.15	100	100	97.0	95.8	mg/Kg	97	96	1.2	75-125	20	
Nickel	0.63	100	100	104	100	mg/Kg	103	99	3.9	75-125	20	
Selenium	ND	100	100	90.4	87.2	mg/Kg	92	89	3.6	75-125	20	
Silver	ND	100	100	92.6	91.4	mg/Kg	95	94	1.3	75-125	20	
Thallium	ND	100	100	93.9	91.6	mg/Kg	95	93	2.5	75-125	20	
Vanadium	28.5	100	100	132	129	mg/Kg	104	101	2.3	75-125	20	
Zinc	7.51	100	100	105	104	mg/Kg	97	96	1.0	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 DRL.
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.
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.
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.
Q4	Analyte result out of calibration range. 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.
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

Turn Around Time (Rush by advanced notice only)

Phone: (714) 771-6900 Fax: (714) 771-9933

c/o Montrose Environmental Group

1 Park Plaza, Suite 1000, Irvine, CA 92614



SW = Swab W = Water WP = Wipe O = Other

4 = H_2SO_4 , 5 = NaOH 6 = Other

Test Instructions / Comments

Deniz Kilim

TPH FULL RANGE 8DIS med
OCP'S EPA 8081
PAH'S EPA 8270 sim
CMM 17 metals EPA 6000/1000

ADDRESS & PROTEST
IN THE SUMMER FOR
AN STRIKE

[illegible]

Date / Time

6/27/17

6/28/16	11.30
---------	-------

2

17:05 9/28/16

1000

100

ENTHALPHY ANALYTICAL, INC.

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



Chain of Custody Record

Turn Around Time (Rush by advanced notice only)

Lab No:

Page:

2

of

1

2 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 = Na₂S₂O₃ 2 = HCl 3 = HNO₃

4 = H₂SO₄ 5 = NaOH 6 = Other

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Company:

CTE

Name:

BATLEY

Report To:

Number:

Email:

Greg@CTE-INC.NET

P.O. #:

10-131316

Address:

Address:

Phone:

Global ID:

Fax:

Sampled By:

Sample ID

Sampling Date

Sampling Time

Matrix

Container No. / Size

Pres.

1 B-3 @ 6' 6/22/16 10:15 5 6" Skene 122

2 B-4 @ 1.5' 10:25 10:35

3 B-4 @ 3.0' 10:43

4 B-4 @ 4.5' 10:50

5 B-4 @ 6.0' 10:55

6 B-4 @ 7.5' 11:20

7 B-5 @ 1.5' 11:25

8 B-5 @ 3.0' 11:30

9 B-5 @ 4.5' 11:39

10 B-5 @ 6' 11:39

Signature

Print Name

Company / Title

Date / Time

1 Relinquished By: DAWN A. KILIAN

CTE

6/27/16

1 Received By: Entalpy Analyt-

CTE

6/28/16

11:36

2 Relinquished By: Sam Raimon

CTE

6/28/16

2:00

2 Received By: EAT

CTE

6/28/16

14:05

3 Relinquished By:

CTE

6/28/16

14:05

3 Received By:

CTE

6/28/16

14:05

TPH FULL RANGE 8015 MG/D
OCUP, EPA 8081
PAH, EPA 8270 SIM
CMM 17 METALS EPA 6000/Amo Ser

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c/o Montrose Environmental Group
1 Park Plaza, Suite 1000, Irvine, CA 92614



Chain of Custody Record

Turn Around Time (Rush by advanced notice only)

Lab No:

5

of

1

Standard:

X

4 Day:

3 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 = Na₂S₂O₃ 2 = HCl 3 = HNO₃
4 = H₂SO₄ 5 = NaOH 6 = Other

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Company:

CTE

Name:

DAVID BATELERY

Report To:

Number:

1013131E

Email:

Greg@CTE-1.NC.NET

P.O. #:

Address:

Address:

Phone:

Global ID:

Fax:

Sampled By:

Sample ID

Sampling Date

Sampling Time

Matrix

Container No. / Size

Pres.

1 B-12@3'

6/22/16

4:08

S

6" skene

ICE

2 B-13@1.5'

6/23/16

8:46

S

6" skene

ICE

3 B-13@3'

8:50

8:55

S

6" skene

ICE

4 B-13@4.5'

8:55

9:00

S

6" skene

ICE

5 B-13@6'

9:00

9:05

S

6" skene

ICE

6 B-13@7.5'

9:05

9:10

S

6" skene

ICE

7 B-13@9'

9:10

9:13

S

6" skene

ICE

8 B-14@1.5'

9:13

9:20

S

6" skene

ICE

9 B-14@3'

9:20

9:26

S

6" skene

ICE

10 B-14@4.5'

9:26

9:31

S

6" skene

ICE

Signature

Print Name

Company / Title

Date / Time

1 Relinquished By:

DAVID BATELERY

DAVID A. BATELERY

CTE

6/27/16

1 Received By:

DAVID BATELERY

DAVID BATELERY

Enthalpy Analytical

6/28/16

11:30

2 Relinquished By:

DAVID BATELERY

DAVID BATELERY

Enthalpy Analytical

6/28/16

2:00

2 Received By:

DAVID BATELERY

DAVID BATELERY

Enthalpy Analytical

6/28/16

14:05

3 Relinquished By:

DAVID BATELERY

DAVID BATELERY

Enthalpy Analytical

6/28/16

14:05

3 Received By:

DAVID BATELERY

DAVID BATELERY

Enthalpy Analytical

6/28/16

14:05

ENTHALPHY ANALYTICAL, INC.

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



Chain of Custody Record

Turn Around Time (Rush by advanced notice only)

Lab No:

Page: 9 of 1

Standard:

4 Day:

3 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 = Na₂S₂O₃ 2 = HCl 3 = HNO₃

4 = H₂SO₄ 5 = NaOH 6 = Other

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Company:

CTE

Name:

BATBURY

Report To:

Number:

10-13131E

Email:

6266@CTE-INC.NET

P.O. #:

Address:

Address:

Phone:

Global ID:

Fax:

Sampled By:

Sample ID

Sampling Date

Sampling Time

Matrix

Container No. / Size

Pres.

TPH FULL RANGE EPA 8015 MOD
SLPS EPA 8081
PAHs EPA 8270 SIM
CAM 17 METALS EPA 6007/8008

1

B-22 @ 3.0'

6/23/16

3:20

S

6" 5 liter

NE

2

B-22 @ 4.5'

6/23/16

3:25

S

6" 5 liter

NE

3

B-22 @ 6.0'

6/23/16

3:30

S

6" 5 liter

NE

4

B-23 @ 1.5'

6/23/16

4:00

S

6" 5 liter

NE

5

B-23 @ 3.0'

6/23/16

4:04

S

6" 5 liter

NE

6

B-23 @ 4.5'

6/23/16

4:10

S

6" 5 liter

NE

7

B-23 @ 6'

6/23/16

4:15

S

6" 5 liter

NE

8

B-23 @ 7.5'

6/23/16

4:18

S

6" 5 liter

NE

9

B-23 @ 9.0'

6/23/16

4:22

S

6" 5 liter

NE

10

B-24 @ 1.5'

6/24/16

7:30

S

6" 5 liter

NE

Signature

Print Name

Company / Title

Date / Time

1 Relinquished By:

[Signature]

DEANIS A. KIRIAN

CTE

6/23/16

1 Received By:

[Signature]

DEANIS A. KIRIAN

Enthalpy Analytical

6/28/16

11:30

2 Relinquished By:

[Signature]

DEANIS A. KIRIAN

CTE

6/28/16

11:30

2 Received By:

[Signature]

DEANIS A. KIRIAN

CTE

6/28/16

14:05

3 Relinquished By:

[Signature]

DEANIS A. KIRIAN

CTE

6/28/16

14:05

3 Received By:

[Signature]

DEANIS A. KIRIAN

CTE

6/28/16

14:05

ENTHALPHY ANALYTICAL, INC.

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Phone: (714) 771-6900 Fax: (714) 771-9933

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Chain of Custody Record

Turn Around Time (Rush by advanced notice only)

Lab No:

Page: 10 of 11

Standard: 1 Day: 2 Day:

4 Day: 1 Day:

3 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 = Na₂S₂O₃ 2 = HCl 3 = HNO₃

4 = H₂SO₄ 5 = NaOH 6 = Other

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Company:

CRE

Name:

BATLEY

Report To:

Number:

10-13131E

Email:

GNB@CRE-1A11.NET

P.O. #:

Address:

Address:

Phone:

Global ID:

Fax:

Sampled By:

Gregg Renner

Sample ID

Sampling Date

Sampling Time

Matrix

Container No. / Size

Pres.

TPH Full Range EPA 8065 MB
CCPS EPA 8081
PAHs EPA 8270s.m
Cadm 17 metals EPA 6000/100

1

B-24 @ 3.0'

6/24/16

7:35

S

6" Sieve

128

///

2

B-24 @ 4.5'

7:41

8:08

///

///

///

///

3

B-25 @ 1.5'

8:10

8:10

///

///

///

///

4

B-25 @ 4.5'

8:42

8:42

///

///

///

///

5

B-26 @ 1.5'

8:48

8:48

///

///

///

///

6

B-26 @ 3.0'

9:04

9:04

///

///

///

///

7

B-26 @ 4.5'

9:06

9:06

///

///

///

///

8

B-26 @ 7.5'

9:15

9:15

///

///

///

///

9

B-26 @ 9.1'

9:20

9:20

///

///

///

///

10

B-26 @ 9.1'

9:20

9:20

///

///

///

///

Signature

Print Name

Company / Title

Date / Time

1 Relinquished By:

DEANIS A KILIAN

CRE

6/27/16

1 Received By:

SEAN KAWING

Enthalpy Analytical

6/28/16

11:30

2 Relinquished By:

SEAN KAWING

EA

6/28/16

2:00

2 Received By:

EA

EA

6/28/16

14:05

3 Relinquished By:

EA

EA

6/28/16

14:05

3 Received By:

EA

EA

6/28/16

14:05

Turn Around Time (Rush by advanced notice only)

Phone: (714) 771-6900 Fax: (714) 771-9933

c/o Montrose Environmental Group

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Standard:
2 Day:

FL = Food Liquid FS = Food Solid L = Liquor

PP = Pure Product S = Solid Seaw = Sea Water

SW = Swab W = Water WP = Wipe O = Other

Preservatives: 1 = $\text{Na}_2\text{S}_2\text{O}_3$ 2 = HCl 3 = HNO_3

4 = H_2SO_4 5 = NaOH 6 = Other

Test Instructions / Comments

576167

18-131E	
---------	--

Address:

Global ID:

Sampled By:

Pres.

6" Square	100
-----------	-----

[illegible][illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

[illegible]

←

t Name

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1

1

7



SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: <u>CTE</u>	Project: <u>Bayley</u>
Date Received: <u>6-28-16</u>	Sampler's Signature Present: <u>(Yes)</u> No
Sample temperature: _____	
Sample(s) received in cooler: <u>(Yes)</u> No (Skip Section 2)	
Shipping Information: _____	
Section 2	
Was the cooler packed with: <input checked="" type="checkbox"/> Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Bubble Wrap <input type="checkbox"/> Styrofoam <input type="checkbox"/> Paper <input type="checkbox"/> None <input type="checkbox"/> Other _____	
Cooler 1 Temperature: <u>-1.1</u> °C Cooler 2 Temperature: <u>3.3</u> Cooler 3 Temperature: <u>2.5</u> (Acceptance range is 0 to 6 Deg. C. or arrival on ice; For Microbiology sample ≤ 10 Deg. C or arrival on ice)	
Section 3	YES NO N/A
Was a COC received?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Were 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 signature present?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Were tests 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 checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
Were all samples sealed in plastic bags?	<input checked="" type="checkbox"/> <input 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"/>
Was total residual chlorine measured (Fish Bioassay samples only)? *	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
*If the answer is no, please inform Fish Bioassay Dept. immediately.	
Section 4	
Explanations/Comments	<u>Did Not Receive B26 @ 3.0'</u>
Section 5	
Was the Project Manager notified via email of discrepancies: Y / N <u>(N/A)</u>	
Project Manager's response: _____	

Completed By: [Signature]

Date: 6-28-16

Ranjit Clarke

From: Greg Rzonca <greg@cte-inc.net>
Sent: Thursday, July 28, 2016 11:11 AM
To: Ranjit Clarke
Subject: RE: additional analyses

Ranjit, please delete sample [B28@1.5'](#) Thanks Greg



Greg Rzonca, PG, CEG

1441 Montiel Rd Ste 115, Escondido, CA 92026 | Ph (760) 746-4955 | Fax (760) 746-9806

Construction Testing & Engineering, Inc.

Inspection • Testing • Geotechnical • Environmental & Construction Engineering • Civil Engineering • Surveying

<http://www.cte-inc.net/>

From: Greg Rzonca [mailto:greg@cte-inc.net]
Sent: Thursday, July 28, 2016 10:14 AM
To: 'Ranjit Clarke'
Subject: additional analyses
Importance: High

Ranjit,

CTE project number = 10.13131E

Enthalpy number=380064

Please analyze the following samples for total arsenic only

[B1@1.5'](#)
[B2@1.5'](#)
[B7@3.0'](#)
[B18@1.5'](#)
[B21@1.5'](#)
[B23@1.5'](#)
[B28@1.5'](#)

Standard turnaround

Thanks

Greg



Greg Rzonca, PG, CEG

1441 Montiel Rd Ste 115, Escondido, CA 92026 | Ph (760) 746-4955 | Fax (760) 746-9806



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

08 July 2016

Ranjit Clarke
Enthalpy Analytical, Inc.
806 N. Batavia
Orange, CA 92868
RE: 380064

Enclosed are the results of analyses for samples received by the laboratory on 06/30/16 09:43. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nicole Bryson
Client Services Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1 @ 3'	T161436-01	Soil	06/22/16 08:35	06/30/16 09:43
B1 @ 4.5'	T161436-02	Soil	06/22/16 08:45	06/30/16 09:43
B2 @ 3'	T161436-03	Soil	06/22/16 09:00	06/30/16 09:43
B2 @ 4.5'	T161436-04	Soil	06/22/16 09:20	06/30/16 09:43
B6 @ 1.5'	T161436-05	Soil	06/22/16 12:00	06/30/16 09:43
B6 @ 3.0'	T161436-06	Soil	06/22/16 12:06	06/30/16 09:43
B6 @ 4.5'	T161436-07	Soil	06/22/16 12:17	06/30/16 09:43
B7 @ 1.5'	T161436-08	Soil	06/22/16 13:20	06/30/16 09:43
B9 @ 1.5'	T161436-09	Soil	06/22/16 14:23	06/30/16 09:43
B9 @ 3.0'	T161436-10	Soil	06/22/16 14:30	06/30/16 09:43
B9 @ 4.5'	T161436-11	Soil	06/22/16 14:34	06/30/16 09:43
B9 @ 6'	T161436-12	Soil	06/22/16 14:40	06/30/16 09:43
B9 @ 7.5'	T161436-13	Soil	06/22/16 14:45	06/30/16 09:43
B9 @ 10.5'	T161436-14	Soil	06/22/16 14:57	06/30/16 09:43
B-11 @ 3'	T161436-15	Soil	06/22/16 15:45	06/30/16 09:43
B-12 @ 1.5'	T161436-16	Soil	06/22/16 16:03	06/30/16 09:43
B-13 @ 1.5'	T161436-17	Soil	06/23/16 08:46	06/30/16 09:43
B-13 @ 3'	T161436-18	Soil	06/23/16 08:50	06/30/16 09:43
B-13 @ 6'	T161436-19	Soil	06/23/16 09:00	06/30/16 09:43
B-14 @ 4.5'	T161436-20	Soil	06/23/16 09:31	06/30/16 09:43
B-15 @ 1.5'	T161436-21	Soil	06/23/16 09:47	06/30/16 09:43
B-15 @ 4.5'	T161436-22	Soil	06/23/16 09:53	06/30/16 09:43
B-15 @ 6'	T161436-23	Soil	06/23/16 10:00	06/30/16 09:43
B-16 @ 1.5'	T161436-24	Soil	06/23/16 10:12	06/30/16 09:43
B-17 @ 1.5'	T161436-25	Soil	06/23/16 10:40	06/30/16 09:43
B-17 @ 4.5'	T161436-26	Soil	06/23/16 10:50	06/30/16 09:43

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager

Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-17 @ 7.5'	T161436-27	Soil	06/23/16 11:00	06/30/16 09:43
B-17 @ 9'	T161436-28	Soil	06/23/16 11:05	06/30/16 09:43
B-18 @ 3'	T161436-29	Soil	06/23/16 11:25	06/30/16 09:43
B-18 @ 4.5'	T161436-30	Soil	06/23/16 11:30	06/30/16 09:43
B-18 @ 7.5'	T161436-31	Soil	06/23/16 11:40	06/30/16 09:43
B-18 @ 9'	T161436-32	Soil	06/23/16 11:45	06/30/16 09:43
B-19 @ 1.5'	T161436-33	Soil	06/23/16 12:05	06/30/16 09:43
B-19 @ 4.5'	T161436-34	Soil	06/23/16 12:15	06/30/16 09:43
B-20 @ 4.5'	T161436-35	Soil	06/23/16 13:55	06/30/16 09:43
B-21 @ 3.0'	T161436-36	Soil	06/23/16 14:45	06/30/16 09:43
B-21 @ 4.5'	T161436-37	Soil	06/23/16 14:50	06/30/16 09:43
B-21 @ 7.5'	T161436-38	Soil	06/23/16 14:59	06/30/16 09:43
B-22 @ 1.5'	T161436-39	Soil	06/23/16 15:15	06/30/16 09:43
B-22 @ 3.0'	T161436-40	Soil	06/23/16 15:20	06/30/16 09:43
B-22 @ 6.0'	T161436-41	Soil	06/23/16 15:30	06/30/16 09:43
B-23 @ 3.0'	T161436-42	Soil	06/23/16 16:04	06/30/16 09:43
B-23 @ 4.5'	T161436-43	Soil	06/23/16 16:10	06/30/16 09:43
B-23 @ 6.0'	T161436-44	Soil	06/23/16 16:15	06/30/16 09:43
B-23 @ 9.0'	T161436-45	Soil	06/23/16 16:22	06/30/16 09:43
B-24 @ 4.5'	T161436-46	Soil	06/24/16 07:41	06/30/16 09:43
B-25 @ 1.5'	T161436-47	Soil	06/24/16 08:08	06/30/16 09:43
B-26 @ 6'	T161436-48	Soil	06/24/16 09:06	06/30/16 09:43
B-26 @ 9'	T161436-49	Soil	06/24/16 09:20	06/30/16 09:43
B-26 @ 10.5'	T161436-50	Soil	06/24/16 09:25	06/30/16 09:43
B-26 @ 12'	T161436-51	Soil	06/24/16 09:30	06/30/16 09:43
B-27 @ 1.5'	T161436-52	Soil	06/24/16 09:58	06/30/16 09:43

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Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-28 @ 6'	T161436-53	Soil	06/24/16 11:05	06/30/16 09:43
B-26 @ 1.5'	T161436-54	Soil	06/24/16 11:05	06/30/16 09:43

Partial report -
pending completion of additional analyses

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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

DETECTIONS SUMMARY

Sample ID: B1 @ 3' **Laboratory ID:** T161436-01

No Results Detected

Sample ID: B1 @ 4.5' **Laboratory ID:** T161436-02

No Results Detected

Sample ID: B2 @ 3' **Laboratory ID:** T161436-03

No Results Detected

Sample ID: B2 @ 4.5' **Laboratory ID:** T161436-04

No Results Detected

Sample ID: B6 @ 1.5' **Laboratory ID:** T161436-05

No Results Detected

Sample ID: B6 @ 3.0' **Laboratory ID:** T161436-06

No Results Detected

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Sample ID: B6 @ 4.5'

Laboratory ID: T161436-07

No Results Detected

Sample ID: B7 @ 1.5'

Laboratory ID: T161436-08

No Results Detected

Sample ID: B9 @ 1.5'

Laboratory ID: T161436-09

No Results Detected

Sample ID: B9 @ 3.0'

Laboratory ID: T161436-10

No Results Detected

Sample ID: B9 @ 4.5'

Laboratory ID: T161436-11

No Results Detected

Sample ID: B9 @ 6'

Laboratory ID: T161436-12

No Results Detected

Sample ID: B9 @ 7.5'

Laboratory ID: T161436-13

No Results Detected

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Reported:
07/08/16 17:02

Sample ID: B9 @ 10.5'

Laboratory ID: T161436-14

No Results Detected

Sample ID: B-11@ 3'

Laboratory ID: T161436-15

No Results Detected

Sample ID: B-12 @ 1.5'

Laboratory ID: T161436-16

No Results Detected

Sample ID: B-13 @ 1.5'

Laboratory ID: T161436-17

No Results Detected

Sample ID: B-13 @ 3'

Laboratory ID: T161436-18

No Results Detected

Sample ID: B-13 @ 6'

Laboratory ID: T161436-19

No Results Detected

Sample ID: B-14 @ 4.5

Laboratory ID: T161436-20

No Results Detected

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Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Sample ID: B-15 @ 1.5'

Laboratory ID: T161436-21

No Results Detected

Sample ID: B-15 @ 4.5

Laboratory ID: T161436-22

No Results Detected

Sample ID: B-15 @ 6'

Laboratory ID: T161436-23

No Results Detected

Sample ID: B-16 @ 1.5'

Laboratory ID: T161436-24

No Results Detected

Sample ID: B-17 @ 1.5'

Laboratory ID: T161436-25

No Results Detected

Sample ID: B-17 @ 4.5'

Laboratory ID: T161436-26

No Results Detected

Sample ID: B-17 @ 7.5'

Laboratory ID: T161436-27

No Results Detected

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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Sample ID: B-17 @ 9'

Laboratory ID: T161436-28

No Results Detected

Sample ID: B-18 @ 3'

Laboratory ID: T161436-29

No Results Detected

Sample ID: B-18 @ 4.5'

Laboratory ID: T161436-30

No Results Detected

Sample ID: B-18 @ 7.5'

Laboratory ID: T161436-31

No Results Detected

Sample ID: B-18 @ 9'

Laboratory ID: T161436-32

No Results Detected

Sample ID: B-19 @ 1.5'

Laboratory ID: T161436-33

No Results Detected

Sample ID: B-19 @ 4.5'

Laboratory ID: T161436-34

No Results Detected

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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Sample ID: B-20 @ 4.5'

Laboratory ID: T161436-35

No Results Detected

Sample ID: B-21 @ 3.0'

Laboratory ID: T161436-36

No Results Detected

Sample ID: B-21 @ 4.5'

Laboratory ID: T161436-37

No Results Detected

Sample ID: B-21 @ 7.5'

Laboratory ID: T161436-38

No Results Detected

Sample ID: B-22 @ 1.5'

Laboratory ID: T161436-39

No Results Detected

Sample ID: B-22 @ 3.0'

Laboratory ID: T161436-40

No Results Detected

Sample ID: B-22 @ 6.0'

Laboratory ID: T161436-41

No Results Detected

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Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Sample ID: B-23 @ 3.0'

Laboratory ID: T161436-42

No Results Detected

Sample ID: B-23 @ 4.5'

Laboratory ID: T161436-43

No Results Detected

Sample ID: B-23 @ 6.0'

Laboratory ID: T161436-44

No Results Detected

Sample ID: B-23 @ 9.0'

Laboratory ID: T161436-45

No Results Detected

Sample ID: B-24 @ 4.5'

Laboratory ID: T161436-46

No Results Detected

Sample ID: B-25 @ 1.5'

Laboratory ID: T161436-47

No Results Detected

Sample ID: B-26 @ 6'

Laboratory ID: T161436-48

No Results Detected

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
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Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Sample ID: B-26 @ 9'

Laboratory ID: T161436-49

No Results Detected

Sample ID: B-26 @ 10.5'

Laboratory ID: T161436-50

No Results Detected

Sample ID: B-26 @ 12'

Laboratory ID: T161436-51

No Results Detected

Sample ID: B-27 @ 1.5'

Laboratory ID: T161436-52

No Results Detected

Sample ID: B-28 @ 6'

Laboratory ID: T161436-53

No Results Detected

Sample ID: B-26 @ 1.5'

Laboratory ID: T161436-54

No Results Detected

SunStar Laboratories, Inc.



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806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B1 @ 3'
T161436-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		81.1 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		77.3 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		118 %	35-140		"	"	"	"	

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Enthalpy Analytical, Inc.
806 N. Batavia
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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B1 @ 3'
T161436-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		81.3 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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806 N. Batavia
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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B1 @ 4.5'
T161436-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		81.7 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		73.4 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		109 %	35-140		"	"	"	"	

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Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B1 @ 4.5'
T161436-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		80.6 %	18-137		"	"	"	"	

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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B2 @ 3'
T161436-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		83.1 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		65.3 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		96.8 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



25712 Commercentre Drive
Lake Forest, California 92630
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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B2 @ 3'
T161436-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		85.6 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B2 @ 4.5'
T161436-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C
C13-C28 (DRO)	ND	10	"	"	"	"	"	"
C29-C40 (MORO)	ND	10	"	"	"	"	"	"

Surrogate: *p*-Terphenyl 86.1 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"
beta-BHC	ND	5.0	"	"	"	"	"	"
delta-BHC	ND	5.0	"	"	"	"	"	"
Heptachlor	ND	5.0	"	"	"	"	"	"
Aldrin	ND	5.0	"	"	"	"	"	"
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"
gamma-Chlordane	ND	5.0	"	"	"	"	"	"
alpha-Chlordane	ND	5.0	"	"	"	"	"	"
Endosulfan I	ND	5.0	"	"	"	"	"	"
4,4'-DDE	ND	5.0	"	"	"	"	"	"
Dieldrin	ND	5.0	"	"	"	"	"	"
Endrin	ND	5.0	"	"	"	"	"	"
4,4'-DDD	ND	5.0	"	"	"	"	"	"
Endosulfan II	ND	5.0	"	"	"	"	"	"
4,4'-DDT	ND	5.0	"	"	"	"	"	"
Endrin aldehyde	ND	5.0	"	"	"	"	"	"
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"
Methoxychlor	ND	10	"	"	"	"	"	"
Endrin ketone	ND	5.0	"	"	"	"	"	"
Toxaphene	ND	200	"	"	"	"	"	"

Surrogate: Tetrachloro-meta-xylene 49.4 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 81.0 % 35-140 " " " "

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B2 @ 4.5'
T161436-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		80.2 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B6 @ 1.5'
T161436-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C
C13-C28 (DRO)	ND	10	"	"	"	"	"	"
C29-C40 (MORO)	ND	10	"	"	"	"	"	"

Surrogate: *p*-Terphenyl 82.3 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"
beta-BHC	ND	5.0	"	"	"	"	"	"
delta-BHC	ND	5.0	"	"	"	"	"	"
Heptachlor	ND	5.0	"	"	"	"	"	"
Aldrin	ND	5.0	"	"	"	"	"	"
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"
gamma-Chlordane	ND	5.0	"	"	"	"	"	"
alpha-Chlordane	ND	5.0	"	"	"	"	"	"
Endosulfan I	ND	5.0	"	"	"	"	"	"
4,4'-DDE	ND	5.0	"	"	"	"	"	"
Dieldrin	ND	5.0	"	"	"	"	"	"
Endrin	ND	5.0	"	"	"	"	"	"
4,4'-DDD	ND	5.0	"	"	"	"	"	"
Endosulfan II	ND	5.0	"	"	"	"	"	"
4,4'-DDT	ND	5.0	"	"	"	"	"	"
Endrin aldehyde	ND	5.0	"	"	"	"	"	"
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"
Methoxychlor	ND	10	"	"	"	"	"	"
Endrin ketone	ND	5.0	"	"	"	"	"	"
Toxaphene	ND	200	"	"	"	"	"	"

Surrogate: Tetrachloro-meta-xylene 60.2 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 73.7 % 35-140 " " " "

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager

Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B6 @ 1.5'
T161436-05 (Soil)


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		89.1 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.



Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B6 @ 3.0'
T161436-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		87.2 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		74.5 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		104 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B6 @ 3.0'
T161436-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		84.2 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B6 @ 4.5'
T161436-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		85.2 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		74.9 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		106 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B6 @ 4.5'
T161436-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		81.5 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B7 @ 1.5'
T161436-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		85.0 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		67.2 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		87.5 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B7 @ 1.5'
T161436-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		78.0 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B9 @ 1.5'
T161436-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		82.2 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		60.8 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		97.4 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B9 @ 1.5'
T161436-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		79.8 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B9 @ 3.0'
T161436-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	

Surrogate: <i>p</i> -Terphenyl	84.5 %	65-135	"	"	"	"	"	"	
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Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene	73.7 %	35-140	"	"	"	"	"	"	
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Surrogate: Decachlorobiphenyl	106 %	35-140	"	"	"	"	"	"	
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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B9 @ 3.0'
T161436-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		81.3 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B9 @ 4.5'
T161436-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C
C13-C28 (DRO)	ND	10	"	"	"	"	"	"
C29-C40 (MORO)	ND	10	"	"	"	"	"	"

Surrogate: *p*-Terphenyl 82.7 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"
beta-BHC	ND	5.0	"	"	"	"	"	"
delta-BHC	ND	5.0	"	"	"	"	"	"
Heptachlor	ND	5.0	"	"	"	"	"	"
Aldrin	ND	5.0	"	"	"	"	"	"
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"
gamma-Chlordane	ND	5.0	"	"	"	"	"	"
alpha-Chlordane	ND	5.0	"	"	"	"	"	"
Endosulfan I	ND	5.0	"	"	"	"	"	"
4,4'-DDE	ND	5.0	"	"	"	"	"	"
Dieldrin	ND	5.0	"	"	"	"	"	"
Endrin	ND	5.0	"	"	"	"	"	"
4,4'-DDD	ND	5.0	"	"	"	"	"	"
Endosulfan II	ND	5.0	"	"	"	"	"	"
4,4'-DDT	ND	5.0	"	"	"	"	"	"
Endrin aldehyde	ND	5.0	"	"	"	"	"	"
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"
Methoxychlor	ND	10	"	"	"	"	"	"
Endrin ketone	ND	5.0	"	"	"	"	"	"
Toxaphene	ND	200	"	"	"	"	"	"

Surrogate: Tetrachloro-meta-xylene 90.3 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 100 % 35-140 " " " "

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B9 @ 4.5'
T161436-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		81.5 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B9 @ 6'
T161436-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		81.5 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		87.0 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		120 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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949.297.5020 Phone
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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B9 @ 6'
T161436-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		84.1 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B9 @ 7.5'
T161436-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C
C13-C28 (DRO)	ND	10	"	"	"	"	"	"
C29-C40 (MORO)	ND	10	"	"	"	"	"	"

Surrogate: *p*-Terphenyl 81.3 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"
beta-BHC	ND	5.0	"	"	"	"	"	"
delta-BHC	ND	5.0	"	"	"	"	"	"
Heptachlor	ND	5.0	"	"	"	"	"	"
Aldrin	ND	5.0	"	"	"	"	"	"
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"
gamma-Chlordane	ND	5.0	"	"	"	"	"	"
alpha-Chlordane	ND	5.0	"	"	"	"	"	"
Endosulfan I	ND	5.0	"	"	"	"	"	"
4,4'-DDE	ND	5.0	"	"	"	"	"	"
Dieldrin	ND	5.0	"	"	"	"	"	"
Endrin	ND	5.0	"	"	"	"	"	"
4,4'-DDD	ND	5.0	"	"	"	"	"	"
Endosulfan II	ND	5.0	"	"	"	"	"	"
4,4'-DDT	ND	5.0	"	"	"	"	"	"
Endrin aldehyde	ND	5.0	"	"	"	"	"	"
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"
Methoxychlor	ND	10	"	"	"	"	"	"
Endrin ketone	ND	5.0	"	"	"	"	"	"
Toxaphene	ND	200	"	"	"	"	"	"

Surrogate: Tetrachloro-meta-xylene 47.1 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 79.4 % 35-140 " " " "

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B9 @ 7.5'
T161436-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		77.2 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B9 @ 10.5'
T161436-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		82.7 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		43.5 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		81.0 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B9 @ 10.5'
T161436-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/02/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		82.0 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-11@ 3'
T161436-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	

Surrogate: *p*-Terphenyl 80.4 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene 61.3 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 84.9 % 35-140 " " " "

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-11@ 3'
T161436-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/03/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		73.3 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-12 @ 1.5'
T161436-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		84.9 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		80.7 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		115 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-12 @ 1.5'
T161436-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/03/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		84.8 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-13 @ 1.5'
T161436-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		77.3 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		79.6 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		103 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-13 @ 1.5'
T161436-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/03/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		85.3 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-13 @ 3'
T161436-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	

Surrogate: *p*-Terphenyl 83.8 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene 78.8 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 88.3 % 35-140 " " " "

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-13 @ 3'
T161436-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/03/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		78.6 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-13 @ 6'
T161436-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		80.1 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		75.3 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		74.1 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-13 @ 6'
T161436-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/03/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		132 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-14 @ 4.5
T161436-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063040	06/30/16	07/07/16	EPA 8015C
C13-C28 (DRO)	ND	10	"	"	"	"	"	"
C29-C40 (MORO)	ND	10	"	"	"	"	"	"

Surrogate: *p*-Terphenyl 86.7 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063038	06/30/16	07/07/16	EPA 8081A
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"
beta-BHC	ND	5.0	"	"	"	"	"	"
delta-BHC	ND	5.0	"	"	"	"	"	"
Heptachlor	ND	5.0	"	"	"	"	"	"
Aldrin	ND	5.0	"	"	"	"	"	"
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"
gamma-Chlordane	ND	5.0	"	"	"	"	"	"
alpha-Chlordane	ND	5.0	"	"	"	"	"	"
Endosulfan I	ND	5.0	"	"	"	"	"	"
4,4'-DDE	ND	5.0	"	"	"	"	"	"
Dieldrin	ND	5.0	"	"	"	"	"	"
Endrin	ND	5.0	"	"	"	"	"	"
4,4'-DDD	ND	5.0	"	"	"	"	"	"
Endosulfan II	ND	5.0	"	"	"	"	"	"
4,4'-DDT	ND	5.0	"	"	"	"	"	"
Endrin aldehyde	ND	5.0	"	"	"	"	"	"
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"
Methoxychlor	ND	10	"	"	"	"	"	"
Endrin ketone	ND	5.0	"	"	"	"	"	"
Toxaphene	ND	200	"	"	"	"	"	"

Surrogate: Tetrachloro-meta-xylene 90.0 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 122 % 35-140 " " " "

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-14 @ 4.5
T161436-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063036	06/30/16	07/03/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		81.2 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-15 @ 1.5'
T161436-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		83.6 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		108 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		131 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-15 @ 1.5'
T161436-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/06/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		97.8 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-15 @ 4.5
T161436-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	

Surrogate: <i>p</i> -Terphenyl	92.2 %	65-135	"	"	"	"	"	"	
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Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene	99.6 %	35-140	"	"	"	"	"	"	
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Surrogate: Decachlorobiphenyl	95.4 %	35-140	"	"	"	"	"	"	
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SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-15 @ 4.5
T161436-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		82.6 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-15 @ 6'
T161436-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C
C13-C28 (DRO)	ND	10	"	"	"	"	"	"
C29-C40 (MORO)	ND	10	"	"	"	"	"	"

Surrogate: *p*-Terphenyl 93.0 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"
beta-BHC	ND	5.0	"	"	"	"	"	"
delta-BHC	ND	5.0	"	"	"	"	"	"
Heptachlor	ND	5.0	"	"	"	"	"	"
Aldrin	ND	5.0	"	"	"	"	"	"
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"
gamma-Chlordane	ND	5.0	"	"	"	"	"	"
alpha-Chlordane	ND	5.0	"	"	"	"	"	"
Endosulfan I	ND	5.0	"	"	"	"	"	"
4,4'-DDE	ND	5.0	"	"	"	"	"	"
Dieldrin	ND	5.0	"	"	"	"	"	"
Endrin	ND	5.0	"	"	"	"	"	"
4,4'-DDD	ND	5.0	"	"	"	"	"	"
Endosulfan II	ND	5.0	"	"	"	"	"	"
4,4'-DDT	ND	5.0	"	"	"	"	"	"
Endrin aldehyde	ND	5.0	"	"	"	"	"	"
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"
Methoxychlor	ND	10	"	"	"	"	"	"
Endrin ketone	ND	5.0	"	"	"	"	"	"
Toxaphene	ND	200	"	"	"	"	"	"

Surrogate: Tetrachloro-meta-xylene 79.8 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 125 % 35-140 " " " "

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-15 @ 6'
T161436-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		85.8 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-16 @ 1.5'
T161436-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	

Surrogate: *p*-Terphenyl 101 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene 79.9 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 149 % 35-140 " " " " S-GC

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-16 @ 1.5'
T161436-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		81.2 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-17 @ 1.5'
T161436-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C
C13-C28 (DRO)	ND	10	"	"	"	"	"	"
C29-C40 (MORO)	ND	10	"	"	"	"	"	"

Surrogate: *p*-Terphenyl 84.3 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"
beta-BHC	ND	5.0	"	"	"	"	"	"
delta-BHC	ND	5.0	"	"	"	"	"	"
Heptachlor	ND	5.0	"	"	"	"	"	"
Aldrin	ND	5.0	"	"	"	"	"	"
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"
gamma-Chlordane	ND	5.0	"	"	"	"	"	"
alpha-Chlordane	ND	5.0	"	"	"	"	"	"
Endosulfan I	ND	5.0	"	"	"	"	"	"
4,4'-DDE	ND	5.0	"	"	"	"	"	"
Dieldrin	ND	5.0	"	"	"	"	"	"
Endrin	ND	5.0	"	"	"	"	"	"
4,4'-DDD	ND	5.0	"	"	"	"	"	"
Endosulfan II	ND	5.0	"	"	"	"	"	"
4,4'-DDT	ND	5.0	"	"	"	"	"	"
Endrin aldehyde	ND	5.0	"	"	"	"	"	"
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"
Methoxychlor	ND	10	"	"	"	"	"	"
Endrin ketone	ND	5.0	"	"	"	"	"	"
Toxaphene	ND	200	"	"	"	"	"	"

Surrogate: Tetrachloro-meta-xylene 79.0 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 98.1 % 35-140 " " " "

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-17 @ 1.5'
T161436-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		96.6 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-17 @ 4.5'
T161436-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		86.0 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		81.7 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		99.3 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-17 @ 4.5'
T161436-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		91.9 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-17 @ 7.5'
T161436-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		94.6 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		61.2 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		129 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-17 @ 7.5'
T161436-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		74.6 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-17 @ 9'
T161436-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	

Surrogate: *p*-Terphenyl 89.9 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene 79.9 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 137 % 35-140 " " " "

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-17 @ 9'
T161436-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		88.4 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-18 @ 3'
T161436-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		115 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		108 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		116 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-18 @ 3'
T161436-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		82.5 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-18 @ 4.5'
T161436-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		91.2 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		83.4 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		125 %	35-140		"	"	"	"	

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-18 @ 4.5'
T161436-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		85.9 %	18-137		"	"	"	"	

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-18 @ 7.5'
T161436-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		95.2 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		71.9 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		105 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



25712 Commercentre Drive
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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-18 @ 7.5'
T161436-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		76.9 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-18 @ 9'
T161436-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		93.4 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		83.4 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		108 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-18 @ 9'
T161436-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		78.4 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-19 @ 1.5'
T161436-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		86.8 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		95.3 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		114 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-19 @ 1.5'
T161436-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		89.0 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-19 @ 4.5'
T161436-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		85.3 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		85.6 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		107 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-19 @ 4.5'
T161436-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		87.6 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-20 @ 4.5'
T161436-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		83.5 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		107 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		108 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-20 @ 4.5'
T161436-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		89.4 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-21 @ 3.0'
T161436-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		86.0 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		102 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		116 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-21 @ 3.0'
T161436-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		81.9 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-21 @ 4.5'
T161436-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		94.8 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		102 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		109 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-21 @ 4.5'
T161436-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		93.0 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-21 @ 7.5'
T161436-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		100 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		83.2 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		91.1 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-21 @ 7.5'
T161436-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		87.5 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-22 @ 1.5'
T161436-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C
C13-C28 (DRO)	ND	10	"	"	"	"	"	"
C29-C40 (MORO)	ND	10	"	"	"	"	"	"

Surrogate: *p*-Terphenyl 93.0 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"
beta-BHC	ND	5.0	"	"	"	"	"	"
delta-BHC	ND	5.0	"	"	"	"	"	"
Heptachlor	ND	5.0	"	"	"	"	"	"
Aldrin	ND	5.0	"	"	"	"	"	"
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"
gamma-Chlordane	ND	5.0	"	"	"	"	"	"
alpha-Chlordane	ND	5.0	"	"	"	"	"	"
Endosulfan I	ND	5.0	"	"	"	"	"	"
4,4'-DDE	ND	5.0	"	"	"	"	"	"
Dieldrin	ND	5.0	"	"	"	"	"	"
Endrin	ND	5.0	"	"	"	"	"	"
4,4'-DDD	ND	5.0	"	"	"	"	"	"
Endosulfan II	ND	5.0	"	"	"	"	"	"
4,4'-DDT	ND	5.0	"	"	"	"	"	"
Endrin aldehyde	ND	5.0	"	"	"	"	"	"
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"
Methoxychlor	ND	10	"	"	"	"	"	"
Endrin ketone	ND	5.0	"	"	"	"	"	"
Toxaphene	ND	200	"	"	"	"	"	"

Surrogate: Tetrachloro-meta-xylene 87.5 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 102 % 35-140 " " " "

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-22 @ 1.5'
T161436-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		95.6 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-22 @ 3.0'
T161436-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070120	07/01/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		86.8 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6063039	06/30/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		121 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		116 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-22 @ 3.0'
T161436-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		96.0 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-22 @ 6.0'
T161436-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		89.7 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		107 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		135 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-22 @ 6.0'
T161436-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/06/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		85.2 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-23 @ 3.0'
T161436-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		96.3 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		105 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		126 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-23 @ 3.0'
T161436-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/06/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		78.9 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-23 @ 4.5'
T161436-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		101 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		131 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		146 %	35-140		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-23 @ 4.5'
T161436-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/07/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		88.4 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-23 @ 6.0'
T161436-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		90.1 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		116 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		141 %	35-140		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-23 @ 6.0'
T161436-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/07/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		88.9 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-23 @ 9.0'
T161436-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		96.7 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		85.2 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		113 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-23 @ 9.0'
T161436-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/07/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		94.6 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-24 @ 4.5'
T161436-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		91.6 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		83.6 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		125 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-24 @ 4.5'
T161436-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/07/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		83.0 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-25 @ 1.5'
T161436-47 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		95.5 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		114 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		135 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-25 @ 1.5'
T161436-47 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/07/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		86.8 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-26 @ 6'
T161436-48 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	

Surrogate: *p*-Terphenyl 90.6 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene 101 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 155 % 35-140 " " " " S-GC

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-26 @ 6'
T161436-48 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/07/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		89.5 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-26 @ 9'
T161436-49 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		93.3 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		74.9 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		154 %	35-140		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-26 @ 9'
T161436-49 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/07/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		90.4 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-26 @ 10.5'
T161436-50 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		77.6 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		84.9 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		104 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



25712 Commercentre Drive
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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-26 @ 10.5'
T161436-50 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/07/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		83.0 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-26 @ 12'
T161436-51 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		97.9 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		93.7 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		137 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-26 @ 12'
T161436-51 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/07/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		91.3 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-27 @ 1.5'
T161436-52 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		86.0 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		113 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		139 %	35-140		"	"	"	"	

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-27 @ 1.5'
T161436-52 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/07/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		80.7 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Lake Forest, California 92630
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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-28 @ 6'
T161436-53 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6063034	06/30/16	07/07/16	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		85.3 %	65-135		"	"	"	"	

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		81.8 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		99.2 %	35-140		"	"	"	"	

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-28 @ 6'
T161436-53 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/07/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		89.9 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-26 @ 1.5'
T161436-54 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	10	mg/kg	1	6070511	07/05/16	07/06/16	EPA 8015C
C13-C28 (DRO)	ND	10	"	"	"	"	"	"
C29-C40 (MORO)	ND	10	"	"	"	"	"	"

Surrogate: *p*-Terphenyl 94.4 % 65-135 " " " "

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	6070115	07/01/16	07/08/16	EPA 8081A
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"
beta-BHC	ND	5.0	"	"	"	"	"	"
delta-BHC	ND	5.0	"	"	"	"	"	"
Heptachlor	ND	5.0	"	"	"	"	"	"
Aldrin	ND	5.0	"	"	"	"	"	"
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"
gamma-Chlordane	ND	5.0	"	"	"	"	"	"
alpha-Chlordane	ND	5.0	"	"	"	"	"	"
Endosulfan I	ND	5.0	"	"	"	"	"	"
4,4'-DDE	ND	5.0	"	"	"	"	"	"
Dieldrin	ND	5.0	"	"	"	"	"	"
Endrin	ND	5.0	"	"	"	"	"	"
4,4'-DDD	ND	5.0	"	"	"	"	"	"
Endosulfan II	ND	5.0	"	"	"	"	"	"
4,4'-DDT	ND	5.0	"	"	"	"	"	"
Endrin aldehyde	ND	5.0	"	"	"	"	"	"
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"
Methoxychlor	ND	10	"	"	"	"	"	"
Endrin ketone	ND	5.0	"	"	"	"	"	"
Toxaphene	ND	200	"	"	"	"	"	"

Surrogate: Tetrachloro-meta-xylene 119 % 35-140 " " " "

Surrogate: Decachlorobiphenyl 143 % 35-140 " " " " S-GC

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager



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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

B-26 @ 1.5'
T161436-54 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		97.7 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

Nicole Bryson, Client Services Manager

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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6063034 - EPA 3550B GC

Blank (6063034-BLK1)

Prepared: 06/30/16 Analyzed: 07/07/16

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	96.0		"	99.0		96.9	65-135			

LCS (6063034-BS1)

Prepared: 06/30/16 Analyzed: 07/07/16

C13-C28 (DRO)	460	10	mg/kg	492		93.3	75-125			
Surrogate: <i>p</i> -Terphenyl	105		"	98.3		107	65-135			

Matrix Spike (6063034-MS1)

Source: T161429-18

Prepared: 06/30/16 Analyzed: 07/07/16

C13-C28 (DRO)	530	10	mg/kg	497	ND	106	75-125			
Surrogate: <i>p</i> -Terphenyl	112		"	99.4		112	65-135			

Matrix Spike Dup (6063034-MSD1)

Source: T161429-18

Prepared: 06/30/16 Analyzed: 07/07/16

C13-C28 (DRO)	540	10	mg/kg	500	ND	107	75-125	1.26	20	
Surrogate: <i>p</i> -Terphenyl	112		"	100		112	65-135			

Batch 6063040 - EPA 3550B GC

Blank (6063040-BLK1)

Prepared: 06/30/16 Analyzed: 07/07/16

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	83.5		"	99.8		83.7	65-135			

LCS (6063040-BS1)

Prepared: 06/30/16 Analyzed: 07/07/16

C13-C28 (DRO)	460	10	mg/kg	499		92.1	75-125			
Surrogate: <i>p</i> -Terphenyl	82.2		"	99.8		82.3	65-135			

SunStar Laboratories, Inc.

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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6063040 - EPA 3550B GC

LCS Dup (6063040-BSD1)

Prepared: 06/30/16 Analyzed: 07/07/16

C13-C28 (DRO)	500	10	mg/kg	498		99.9	75-125	7.93	20	
Surrogate: <i>p</i> -Terphenyl	88.2		"	99.6		88.6	65-135			

Batch 6070120 - EPA 3550B GC

Blank (6070120-BLK1)

Prepared: 07/01/16 Analyzed: 07/07/16

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	84.7		"	98.2		86.2	65-135			

LCS (6070120-BS1)

Prepared: 07/01/16 Analyzed: 07/07/16

C13-C28 (DRO)	510	10	mg/kg	499		102	75-125			
Surrogate: <i>p</i> -Terphenyl	110		"	99.8		110	65-135			

Matrix Spike (6070120-MS1)

Source: T161436-21

Prepared: 07/01/16 Analyzed: 07/07/16

C13-C28 (DRO)	450	10	mg/kg	494	ND	92.0	75-125			
Surrogate: <i>p</i> -Terphenyl	100		"	98.8		101	65-135			

Matrix Spike Dup (6070120-MSD1)

Source: T161436-21

Prepared: 07/01/16 Analyzed: 07/07/16

C13-C28 (DRO)	400	10	mg/kg	496	ND	79.7	75-125	13.9	20	
Surrogate: <i>p</i> -Terphenyl	81.0		"	99.2		81.6	65-135			

Batch 6070511 - EPA 3550B GC

Blank (6070511-BLK1)

Prepared: 07/05/16 Analyzed: 07/06/16

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	96.1		"	99.0		97.0	65-135			

SunStar Laboratories, Inc.

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Nicole Bryson, Client Services Manager

Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6070511 - EPA 3550B GC

LCS (6070511-BS1)

Prepared: 07/05/16 Analyzed: 07/06/16

C13-C28 (DRO)	500	10	mg/kg	497		101	75-125			
Surrogate: <i>p</i> -Terphenyl	93.5		"	99.4		94.0	65-135			

Matrix Spike (6070511-MS1)

Source: T161436-54

Prepared: 07/05/16 Analyzed: 07/06/16

C13-C28 (DRO)	420	10	mg/kg	499	ND	85.0	75-125			
Surrogate: <i>p</i> -Terphenyl	100		"	99.8		100	65-135			

Matrix Spike Dup (6070511-MSD1)

Source: T161436-54

Prepared: 07/05/16 Analyzed: 07/06/16

C13-C28 (DRO)	490	10	mg/kg	499	ND	99.2	75-125	15.3	20	
Surrogate: <i>p</i> -Terphenyl	113		"	99.7		114	65-135			

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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6063038 - EPA 3550 ECD/GCMS

Blank (6063038-BLK1)

Prepared: 06/30/16 Analyzed: 07/07/16

alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
beta-BHC	ND	5.0	"							
delta-BHC	ND	5.0	"							
Heptachlor	ND	5.0	"							
Aldrin	ND	5.0	"							
Heptachlor epoxide	ND	5.0	"							
gamma-Chlordane	ND	5.0	"							
alpha-Chlordane	ND	5.0	"							
Endosulfan I	ND	5.0	"							
4,4'-DDE	ND	5.0	"							
Dieldrin	ND	5.0	"							
Endrin	ND	5.0	"							
4,4'-DDD	ND	5.0	"							
Endosulfan II	ND	5.0	"							
4,4'-DDT	ND	5.0	"							
Endrin aldehyde	ND	5.0	"							
Endosulfan sulfate	ND	5.0	"							
Methoxychlor	ND	10	"							
Endrin ketone	ND	5.0	"							
Toxaphene	ND	200	"							
Surrogate: Tetrachloro-meta-xylene	9.56		"	9.78		97.8	35-140			
Surrogate: Decachlorobiphenyl	8.35		"	9.78		85.4	35-140			

LCS (6063038-BS1)

Prepared: 06/30/16 Analyzed: 07/07/16

gamma-BHC (Lindane)	26.3	5.0	ug/kg	39.6		66.3	40-120			
Heptachlor	27.6	5.0	"	39.6		69.5	40-120			
Aldrin	21.5	5.0	"	39.6		54.2	40-120			
Dieldrin	22.7	5.0	"	39.6		57.2	40-120			
Endrin	25.3	5.0	"	39.6		63.8	40-120			
4,4'-DDT	25.4	5.0	"	39.6		64.2	33-147			
Surrogate: Tetrachloro-meta-xylene	10.7		"	9.91		108	35-140			
Surrogate: Decachlorobiphenyl	9.40		"	9.91		94.9	35-140			

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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6063038 - EPA 3550 ECD/GCMS

LCS Dup (6063038-BSD1)

Prepared: 06/30/16 Analyzed: 07/07/16

gamma-BHC (Lindane)	29.2	5.0	ug/kg	39.9		73.1	40-120	9.74	30	
Heptachlor	30.0	5.0	"	39.9		75.2	40-120	7.80	30	
Aldrin	23.5	5.0	"	39.9		59.0	40-120	8.48	30	
Dieldrin	26.1	5.0	"	39.9		65.4	40-120	13.4	30	
Endrin	28.0	5.0	"	39.9		70.1	40-120	9.44	30	
4,4'-DDT	31.3	5.0	"	39.9		78.3	33-147	19.8	30	
Surrogate: Tetrachloro-meta-xylene	7.65		"	9.98		76.6	35-140			
Surrogate: Decachlorobiphenyl	8.74		"	9.98		87.6	35-140			

Batch 6063039 - EPA 3550 ECD/GCMS

Blank (6063039-BLK1)

Prepared: 06/30/16 Analyzed: 07/08/16

alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
beta-BHC	ND	5.0	"							
delta-BHC	ND	5.0	"							
Heptachlor	ND	5.0	"							
Aldrin	ND	5.0	"							
Heptachlor epoxide	ND	5.0	"							
gamma-Chlordane	ND	5.0	"							
alpha-Chlordane	ND	5.0	"							
Endosulfan I	ND	5.0	"							
4,4'-DDE	ND	5.0	"							
Dieldrin	ND	5.0	"							
Endrin	ND	5.0	"							
4,4'-DDD	ND	5.0	"							
Endosulfan II	ND	5.0	"							
4,4'-DDT	ND	5.0	"							
Endrin aldehyde	ND	5.0	"							
Endosulfan sulfate	ND	5.0	"							
Methoxychlor	ND	10	"							
Endrin ketone	ND	5.0	"							
Toxaphene	ND	200	"							
Surrogate: Tetrachloro-meta-xylene	9.03		"	9.83		91.9	35-140			
Surrogate: Decachlorobiphenyl	10.9		"	9.83		111	35-140			

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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6063039 - EPA 3550 ECD/GCMS

LCS (6063039-BS1)

Prepared: 06/30/16 Analyzed: 07/08/16

gamma-BHC (Lindane)	42.0	5.0	ug/kg	39.7		106	40-120			
Heptachlor	43.2	5.0	"	39.7		109	40-120			
Aldrin	35.4	5.0	"	39.7		89.1	40-120			
Dieldrin	35.4	5.0	"	39.7		89.1	40-120			
Endrin	42.2	5.0	"	39.7		106	40-120			
4,4'-DDT	45.4	5.0	"	39.7		114	33-147			
Surrogate: Tetrachloro-meta-xylene	9.45		"	9.93		95.2	35-140			
Surrogate: Decachlorobiphenyl	13.3		"	9.93		134	35-140			

LCS Dup (6063039-BS1)

Prepared: 06/30/16 Analyzed: 07/08/16

gamma-BHC (Lindane)	39.4	5.0	ug/kg	40.0		98.7	40-120	6.97	30	
Aldrin	33.0	5.0	"	40.0		82.6	40-120	7.59	30	
Dieldrin	33.5	5.0	"	40.0		83.7	40-120	6.25	30	
Endrin	39.6	5.0	"	40.0		99.1	40-120	6.99	30	
4,4'-DDT	39.0	5.0	"	40.0		97.5	33-147	15.8	30	
Surrogate: Tetrachloro-meta-xylene	9.19		"	9.99		92.0	35-140			
Surrogate: Decachlorobiphenyl	12.1		"	9.99		121	35-140			

Batch 6070115 - EPA 3550 ECD/GCMS

Blank (6070115-BLK1)

Prepared: 07/01/16 Analyzed: 07/08/16

alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
beta-BHC	ND	5.0	"							
delta-BHC	ND	5.0	"							
Heptachlor	ND	5.0	"							
Aldrin	ND	5.0	"							
Heptachlor epoxide	ND	5.0	"							
gamma-Chlordane	ND	5.0	"							
alpha-Chlordane	ND	5.0	"							
Endosulfan I	ND	5.0	"							
4,4'-DDE	ND	5.0	"							
Dieldrin	ND	5.0	"							
Endrin	ND	5.0	"							
4,4'-DDD	ND	5.0	"							
Endosulfan II	ND	5.0	"							

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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6070115 - EPA 3550 ECD/GCMS

Blank (6070115-BLK1)

Prepared: 07/01/16 Analyzed: 07/08/16

4,4'-DDT	ND	5.0	ug/kg							
Endrin aldehyde	ND	5.0	"							
Endosulfan sulfate	ND	5.0	"							
Methoxychlor	ND	10	"							
Endrin ketone	ND	5.0	"							
Toxaphene	ND	200	"							
Surrogate: Tetrachloro-meta-xylene	11.0		"	9.85		112	35-140			
Surrogate: Decachlorobiphenyl	14.5		"	9.85		147	35-140			S-GC

LCS (6070115-BS1)

Prepared: 07/01/16 Analyzed: 07/08/16

gamma-BHC (Lindane)	43.1	5.0	ug/kg	39.6		109	40-120			
Heptachlor	41.9	5.0	"	39.6		106	40-120			
Aldrin	34.7	5.0	"	39.6		87.6	40-120			
Dieldrin	45.5	5.0	"	39.6		115	40-120			
Endrin	46.1	5.0	"	39.6		116	40-120			
4,4'-DDT	39.2	5.0	"	39.6		98.9	33-147			
Surrogate: Tetrachloro-meta-xylene	11.6		"	9.91		117	35-140			
Surrogate: Decachlorobiphenyl	15.5		"	9.91		156	35-140			S-GC

LCS Dup (6070115-BSD1)

Prepared: 07/01/16 Analyzed: 07/08/16

gamma-BHC (Lindane)	39.8	5.0	ug/kg	39.1		102	40-120	6.45	30	
Heptachlor	38.1	5.0	"	39.1		97.6	40-120	8.06	30	
Aldrin	41.3	5.0	"	39.1		106	40-120	18.7	30	
Dieldrin	34.6	5.0	"	39.1		88.5	40-120	25.9	30	
Endrin	40.7	5.0	"	39.1		104	40-120	10.8	30	
4,4'-DDT	35.0	5.0	"	39.1		89.7	33-147	9.76	30	
Surrogate: Tetrachloro-meta-xylene	9.81		"	9.77		100	35-140			
Surrogate: Decachlorobiphenyl	12.2		"	9.77		125	35-140			

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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6063036 - EPA 3550 ECD/GCMS

Blank (6063036-BLK1)

Prepared: 06/30/16 Analyzed: 07/02/16

Acenaphthene	ND	10	ug/kg							
Acenaphthylene	ND	5.0	"							
Anthracene	ND	5.0	"							
Benzo (a) anthracene	ND	5.0	"							
Benzo (b) fluoranthene	ND	10	"							
Benzo (k) fluoranthene	ND	10	"							
Benzo (g,h,i) perylene	ND	5.0	"							
Benzo (a) pyrene	ND	10	"							
Chrysene	ND	5.0	"							
Dibenz (a,h) anthracene	ND	5.0	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	10	"							
Indeno (1,2,3-cd) pyrene	ND	5.0	"							
Naphthalene	ND	5.0	"							
Phenanthrene	ND	5.0	"							
Pyrene	ND	10	"							
Surrogate: Terphenyl-dl4	314		"	333		94.5	18-137			

LCS (6063036-BS1)

Prepared: 06/30/16 Analyzed: 07/02/16

Acenaphthene	204	10	ug/kg	333		61.3	50-130			
Pyrene	203	10	"	333		61.1	50-130			
Surrogate: Terphenyl-dl4	336		"	333		101	18-137			

LCS Dup (6063036-BSD1)

Prepared: 06/30/16 Analyzed: 07/02/16

Acenaphthene	228	10	ug/kg	333		68.4	50-130	11.0	31	
Pyrene	198	10	"	333		59.6	50-130	2.39	31	
Surrogate: Terphenyl-dl4	269		"	333		80.7	18-137			

SunStar Laboratories, Inc.

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Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6063041 - EPA 3550 ECD/GCMS

Blank (6063041-BLK1)

Prepared: 06/30/16 Analyzed: 07/06/16

Acenaphthene	ND	10	ug/kg							
Acenaphthylene	ND	5.0	"							
Anthracene	ND	5.0	"							
Benzo (a) anthracene	ND	5.0	"							
Benzo (b) fluoranthene	ND	10	"							
Benzo (k) fluoranthene	ND	10	"							
Benzo (g,h,i) perylene	ND	5.0	"							
Benzo (a) pyrene	ND	10	"							
Chrysene	ND	5.0	"							
Dibenz (a,h) anthracene	ND	5.0	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	10	"							
Indeno (1,2,3-cd) pyrene	ND	5.0	"							
Naphthalene	ND	5.0	"							
Phenanthrene	ND	5.0	"							
Pyrene	ND	10	"							
Surrogate: Terphenyl-dl4	349		"	333		105	18-137			

LCS (6063041-BS1)

Prepared: 06/30/16 Analyzed: 07/06/16

Acenaphthene	224	10	ug/kg	333		67.4	50-130			
Pyrene	203	10	"	333		61.1	50-130			
Surrogate: Terphenyl-dl4	365		"	333		110	18-137			

LCS Dup (6063041-BSD1)

Prepared: 06/30/16 Analyzed: 07/06/16

Acenaphthene	243	10	ug/kg	332		73.2	50-130	8.02	31	
Pyrene	212	10	"	332		63.9	50-130	4.25	31	
Surrogate: Terphenyl-dl4	345		"	332		104	18-137			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nicole Bryson, Client Services Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6070520 - EPA 3550 ECD/GCMS

Blank (6070520-BLK1)

Prepared: 07/05/16 Analyzed: 07/08/16

Acenaphthene	ND	10	ug/kg							
Acenaphthylene	ND	5.0	"							
Anthracene	ND	5.0	"							
Benzo (a) anthracene	ND	5.0	"							
Benzo (b) fluoranthene	ND	10	"							
Benzo (k) fluoranthene	ND	10	"							
Benzo (g,h,i) perylene	ND	5.0	"							
Benzo (a) pyrene	ND	10	"							
Chrysene	ND	5.0	"							
Dibenz (a,h) anthracene	ND	5.0	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	10	"							
Indeno (1,2,3-cd) pyrene	ND	5.0	"							
Naphthalene	ND	5.0	"							
Phenanthrene	ND	5.0	"							
Pyrene	ND	10	"							

Surrogate: Terphenyl-dl4 354 " 332 107 18-137

LCS (6070520-BS1)

Prepared: 07/05/16 Analyzed: 07/08/16

Acenaphthene	217	10	ug/kg	332		65.4	50-130			
Pyrene	198	10	"	332		59.7	50-130			

Surrogate: Terphenyl-dl4 369 " 332 111 18-137

LCS Dup (6070520-BSD1)

Prepared: 07/05/16 Analyzed: 07/08/16

Acenaphthene	216	10	ug/kg	332		65.1	50-130	0.426	31	
Pyrene	201	10	"	332		60.6	50-130	1.53	31	

Surrogate: Terphenyl-dl4 304 " 332 91.4 18-137

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nicole Bryson, Client Services Manager



25712 Commercentre Drive
Lake Forest, California 92630
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Enthalpy Analytical, Inc.
806 N. Batavia
Orange CA, 92868

Project: 380064
Project Number: 380064
Project Manager: Ranjit Clarke

Reported:
07/08/16 17:02

Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nicole Bryson, Client Services Manager

ENTHALPY ANALYTICAL, INC.

805 N. Batavia St., Orange, CA 92868

Phone: (714) 771-6900 Fax: (714) 771-9933

Billing: Enthalpy - SoCal

o Montrose Environmental Group

Park Plaza, Suite 1000, Irvine, CA 92614



Chain of Custody Record

Lab No: 380064

Page: 6 of 6

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

Turn Around Time (Rush by advanced notice only)

Standard:

4 Day:

3 Day:

1 Day:

Same Day:

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Company: Enthalpy Analytical

Name:

Report To: Ruggit Clarke

Number:

Email: Ruggit.clarke@enthalpy.com

P.O. #:

Address: 1108 W. Barkley Ave. #600

Address:

Orange, CA 92868

Phone: 657-274-9864

Global ID:

Sampled By:

Sampled By:

Sample ID

Sampling Date

Sampling Time

Matrix

Container No. / Size

Pres.

TPH - Carbon Chain
EPA 8081A - OCPs
EPA 8270 SIM PAHs

3.6

TI61436

B-26 @ 12' 51
B-27 @ 15' 52
B-28 @ 6' 53

06/24/16

9:30

S

1

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SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T161436

Client Name: ENTHALPY Project: 380064

Delivered by: ☐ Client ☐ SunStar Courier ☐ GSO ☐ FedEx ☐ Other

If Courier, Received by: KYLEE Date/Time Courier Received: 6:30-16 8:50

Lab Received by: DAN Date/Time Lab Received: 6:30-16 9:43

Total number of coolers received: 0

Temperature: Cooler #1 <u>3.8</u>	°C +/- the CF (- 0.2°C) = <u>3.6</u>	°C corrected temperature
Temperature: Cooler #2	°C +/- the CF (- 0.2°C) =	°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (- 0.2°C) =	°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If NO:		
Samples received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No → Complete Non-Conformance Sheet
If on ice, samples received same day collected?	<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → Complete Non-Conformance Sheet

Custody seals intact on cooler/sample ☐ Yes ☐ No* ☒ N/A

Sample containers intact ☒ Yes ☐ No*

Sample labels match Chain of Custody IDs ☒ Yes ☐ No*

Total number of containers received match COC ☒ Yes ☐ No*

Proper containers received for analyses requested on COC ☒ Yes ☐ No*

Proper preservative indicated on COC/containers for analyses requested ^{BC} ☒ Yes ☐ No* ☒ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times ☒ Yes ☐ No*

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: BC 6:30-16

Comments:

To: Sunstar

ENTHALPY ANALYTICAL, INC.

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



Chain of Custody Record

Turn Around Time (Rush by advanced notice only)

Lab No:	380064	Standard:	4 Day:	3 Day:
Page:	1 of 1	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 = Na₂S₂O₃ 2 = HCl 3 = HNO₃
4 = H₂SO₄ 5 = NaOH 6 = Other

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Company:	Enthalpy Analytical	Name:	
Report To:	Ranjit Clarke	Number:	
Email:	ranjit.clarke@enthalpy.com	P.O. #:	
Address:	1108 V. Barclay Ave. Orange, CA 92868	Address:	
Phone:		Global ID:	
Fax:		Sampled By:	

EPA 8015B - Carbon Chain
EPA 8270 SIM PAHs
EPA 8081A - OCPs

Please report with
the samples picked up
on 6/30.
T161436

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.															
1 B-26 @ 1.5'	54 am	06/24/16	S	1	—	X	X	X												
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

	Signature	Print Name	Company / Title	Date / Time
Relinquished By:		John L. Morteski	EDA	7-1-16 11:23
Received By:		Dan Morteski	Sunstar Labs	7-1-16 11:23
Relinquished By:		Brian Croston	Sunstar Labs	7-1-16 12:10
Received By:				
Relinquished By:				
Received By:				

WORK ORDER

T161436

Client: Enthalpy Analytical, Inc.

Project: 380064

Project Manager: Nicole Bryson

Project Number: 380064

Report To:

Enthalpy Analytical, Inc.

Ranjit Clarke

806 N. Batavia

Orange, CA 92868

Date Due: 07/07/16 17:00 (4 day TAT)

Received By: Dan Marteski

Date Received: 06/30/16 09:43

Logged In By: Brian Charon

Date Logged In: 06/30/16 10:03

Samples Received at: 3.6°C

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confir No

Analysis	Due	TAT	Expires	Comments
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T161436-01 B1 @ 3' [Soil] Sampled 06/22/16 08:35 (GMT-08:00) Pacific Time (US &

8015 Carbon Chain	07/07/16 15:00	4	07/06/16 08:35
8081 Pesticides	07/07/16 15:00	4	07/06/16 08:35
8270C PAH SIM	07/07/16 15:00	4	07/06/16 08:35

T161436-02 B1 @ 4.5' [Soil] Sampled 06/22/16 08:45 (GMT-08:00) Pacific Time (US &

8015 Carbon Chain	07/07/16 15:00	4	07/06/16 08:45
8081 Pesticides	07/07/16 15:00	4	07/06/16 08:45
8270C PAH SIM	07/07/16 15:00	4	07/06/16 08:45

T161436-03 B2 @ 3' [Soil] Sampled 06/22/16 09:00 (GMT-08:00) Pacific Time (US &

8015 Carbon Chain	07/07/16 15:00	4	07/06/16 09:00
8081 Pesticides	07/07/16 15:00	4	07/06/16 09:00
8270C PAH SIM	07/07/16 15:00	4	07/06/16 09:00

T161436-04 B2 @ 4.5' [Soil] Sampled 06/22/16 09:20 (GMT-08:00) Pacific Time (US &

8015 Carbon Chain	07/07/16 15:00	4	07/06/16 09:20
8081 Pesticides	07/07/16 15:00	4	07/06/16 09:20
8270C PAH SIM	07/07/16 15:00	4	07/06/16 09:20

WORK ORDER

T161436

Client: Enthalpy Analytical, Inc.

Project Manager: Nicole Bryson

Project: 380064

Project Number: 380064

Analysis	Due	TAT	Expires	Comments
T161436-05 B6 @ 1.5' [Soil] Sampled 06/22/16 12:00 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/06/16 12:00	
8081 Pesticides	07/07/16 15:00	4	07/06/16 12:00	
8270C PAH SIM	07/07/16 15:00	4	07/06/16 12:00	
T161436-06 B6 @ 3.0' [Soil] Sampled 06/22/16 12:06 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/06/16 12:06	
8081 Pesticides	07/07/16 15:00	4	07/06/16 12:06	
8270C PAH SIM	07/07/16 15:00	4	07/06/16 12:06	
T161436-07 B6 @ 4.5' [Soil] Sampled 06/22/16 12:17 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/06/16 12:17	
8081 Pesticides	07/07/16 15:00	4	07/06/16 12:17	
8270C PAH SIM	07/07/16 15:00	4	07/06/16 12:17	
T161436-08 B7 @ 1.5' [Soil] Sampled 06/22/16 13:20 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/06/16 13:20	
8081 Pesticides	07/07/16 15:00	4	07/06/16 13:20	
8270C PAH SIM	07/07/16 15:00	4	07/06/16 13:20	
T161436-09 B9 @ 1.5' [Soil] Sampled 06/22/16 14:23 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/06/16 14:23	
8081 Pesticides	07/07/16 15:00	4	07/06/16 14:23	
8270C PAH SIM	07/07/16 15:00	4	07/06/16 14:23	
T161436-10 B9 @ 3.0' [Soil] Sampled 06/22/16 14:30 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/06/16 14:30	
8081 Pesticides	07/07/16 15:00	4	07/06/16 14:30	
8270C PAH SIM	07/07/16 15:00	4	07/06/16 14:30	
T161436-11 B9 @ 4.5' [Soil] Sampled 06/22/16 14:34 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/06/16 14:34	
8081 Pesticides	07/07/16 15:00	4	07/06/16 14:34	
8270C PAH SIM	07/07/16 15:00	4	07/06/16 14:34	

WORK ORDER

T161436

Client: Enthalpy Analytical, Inc.

Project Manager: Nicole Bryson

Project: 380064

Project Number: 380064

Analysis	Due	TAT	Expires	Comments
T161436-12 B9 @ 6' [Soil] Sampled 06/22/16 14:40 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/06/16 14:40	
8081 Pesticides	07/07/16 15:00	4	07/06/16 14:40	
8270C PAH SIM	07/07/16 15:00	4	07/06/16 14:40	
T161436-13 B9 @ 7.5' [Soil] Sampled 06/22/16 14:45 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/06/16 14:45	
8081 Pesticides	07/07/16 15:00	4	07/06/16 14:45	
8270C PAH SIM	07/07/16 15:00	4	07/06/16 14:45	
T161436-14 B9 @ 10.5' [Soil] Sampled 06/22/16 14:57 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/06/16 14:57	
8081 Pesticides	07/07/16 15:00	4	07/06/16 14:57	
8270C PAH SIM	07/07/16 15:00	4	07/06/16 14:57	
T161436-15 B-11 @ 3' [Soil] Sampled 06/22/16 15:45 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/06/16 15:45	
8081 Pesticides	07/07/16 15:00	4	07/06/16 15:45	
8270C PAH SIM	07/07/16 15:00	4	07/06/16 15:45	
T161436-16 B-12 @ 1.5' [Soil] Sampled 06/22/16 16:03 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/06/16 16:03	
8081 Pesticides	07/07/16 15:00	4	07/06/16 16:03	
8270C PAH SIM	07/07/16 15:00	4	07/06/16 16:03	
T161436-17 B-13 @ 1.5' [Soil] Sampled 06/23/16 08:46 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 08:46	
8081 Pesticides	07/07/16 15:00	4	07/07/16 08:46	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 08:46	
T161436-18 B-13 @ 3' [Soil] Sampled 06/23/16 08:50 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 08:50	
8081 Pesticides	07/07/16 15:00	4	07/07/16 08:50	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 08:50	

WORK ORDER

T161436

Client: Enthalpy Analytical, Inc.

Project Manager: Nicole Bryson

Project: 380064

Project Number: 380064

Analysis	Due	TAT	Expires	Comments
T161436-19 B-13 @ 6' [Soil] Sampled 06/23/16 09:00 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 09:00	
8081 Pesticides	07/07/16 15:00	4	07/07/16 09:00	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 09:00	
T161436-20 B-14 @ 4.5 [Soil] Sampled 06/23/16 09:31 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 09:31	
8081 Pesticides	07/07/16 15:00	4	07/07/16 09:31	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 09:31	
T161436-21 B-15 @ 1.5' [Soil] Sampled 06/23/16 09:47 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 09:47	
8081 Pesticides	07/07/16 15:00	4	07/07/16 09:47	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 09:47	
T161436-22 B-15 @ 4.5 [Soil] Sampled 06/23/16 09:53 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 09:53	
8081 Pesticides	07/07/16 15:00	4	07/07/16 09:53	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 09:53	
T161436-23 B-15 @ 6' [Soil] Sampled 06/23/16 10:00 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 10:00	
8081 Pesticides	07/07/16 15:00	4	07/07/16 10:00	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 10:00	
T161436-24 B-16 @ 1.5' [Soil] Sampled 06/23/16 10:12 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 10:12	
8081 Pesticides	07/07/16 15:00	4	07/07/16 10:12	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 10:12	
T161436-25 B-17 @ 1.5' [Soil] Sampled 06/23/16 10:40 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 10:40	
8081 Pesticides	07/07/16 15:00	4	07/07/16 10:40	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 10:40	

WORK ORDER

T161436

Client: Enthalpy Analytical, Inc.

Project Manager: Nicole Bryson

Project: 380064

Project Number: 380064

Analysis	Due	TAT	Expires	Comments
T161436-26 B-17 @ 4.5' [Soil] Sampled 06/23/16 10:50 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 10:50	
8081 Pesticides	07/07/16 15:00	4	07/07/16 10:50	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 10:50	
T161436-27 B-17 @ 7.5' [Soil] Sampled 06/23/16 11:00 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 11:00	
8081 Pesticides	07/07/16 15:00	4	07/07/16 11:00	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 11:00	
T161436-28 B-17 @ 9' [Soil] Sampled 06/23/16 11:05 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 11:05	
8081 Pesticides	07/07/16 15:00	4	07/07/16 11:05	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 11:05	
T161436-29 B-18 @ 3' [Soil] Sampled 06/23/16 11:25 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 11:25	
8081 Pesticides	07/07/16 15:00	4	07/07/16 11:25	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 11:25	
T161436-30 B-18 @ 4.5' [Soil] Sampled 06/23/16 11:30 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 11:30	
8081 Pesticides	07/07/16 15:00	4	07/07/16 11:30	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 11:30	
T161436-31 B-18 @ 7.5' [Soil] Sampled 06/23/16 11:40 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 11:40	
8081 Pesticides	07/07/16 15:00	4	07/07/16 11:40	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 11:40	
T161436-32 B-18 @ 9' [Soil] Sampled 06/23/16 11:45 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 11:45	
8081 Pesticides	07/07/16 15:00	4	07/07/16 11:45	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 11:45	

WORK ORDER

T161436

Client: Enthalpy Analytical, Inc.

Project Manager: Nicole Bryson

Project: 380064

Project Number: 380064

Analysis	Due	TAT	Expires	Comments
T161436-33 B-19 @ 1.5' [Soil] Sampled 06/23/16 12:05 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 12:05	
8081 Pesticides	07/07/16 15:00	4	07/07/16 12:05	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 12:05	
T161436-34 B-19 @ 4.5' [Soil] Sampled 06/23/16 12:15 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 12:15	
8081 Pesticides	07/07/16 15:00	4	07/07/16 12:15	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 12:15	
T161436-35 B-20 @ 4.5' [Soil] Sampled 06/23/16 13:55 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 13:55	
8081 Pesticides	07/07/16 15:00	4	07/07/16 13:55	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 13:55	
T161436-36 B-21 @ 3.0' [Soil] Sampled 06/23/16 14:45 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 14:45	
8081 Pesticides	07/07/16 15:00	4	07/07/16 14:45	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 14:45	
T161436-37 B-21 @ 4.5' [Soil] Sampled 06/23/16 14:50 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 14:50	
8081 Pesticides	07/07/16 15:00	4	07/07/16 14:50	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 14:50	
T161436-38 B-21 @ 7.5' [Soil] Sampled 06/23/16 14:59 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 14:59	
8081 Pesticides	07/07/16 15:00	4	07/07/16 14:59	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 14:59	
T161436-39 B-22 @ 1.5' [Soil] Sampled 06/23/16 15:15 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 15:15	
8081 Pesticides	07/07/16 15:00	4	07/07/16 15:15	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 15:15	

WORK ORDER

T161436

Client: Enthalpy Analytical, Inc.

Project Manager: Nicole Bryson

Project: 380064

Project Number: 380064

Analysis	Due	TAT	Expires	Comments
T161436-40 B-22 @ 3.0' [Soil] Sampled 06/23/16 15:20 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 15:20	
8081 Pesticides	07/07/16 15:00	4	07/07/16 15:20	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 15:20	
T161436-41 B-22 @ 6.0' [Soil] Sampled 06/23/16 15:30 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 15:30	
8081 Pesticides	07/07/16 15:00	4	07/07/16 15:30	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 15:30	
T161436-42 B-23 @ 3.0' [Soil] Sampled 06/23/16 16:04 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 16:04	
8081 Pesticides	07/07/16 15:00	4	07/07/16 16:04	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 16:04	
T161436-43 B-23 @ 4.5' [Soil] Sampled 06/23/16 16:10 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 16:10	
8081 Pesticides	07/07/16 15:00	4	07/07/16 16:10	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 16:10	
T161436-44 B-23 @ 6.0' [Soil] Sampled 06/23/16 16:15 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 16:15	
8081 Pesticides	07/07/16 15:00	4	07/07/16 16:15	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 16:15	
T161436-45 B-23 @ 9.0' [Soil] Sampled 06/23/16 16:22 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/07/16 16:22	
8081 Pesticides	07/07/16 15:00	4	07/07/16 16:22	
8270C PAH SIM	07/07/16 15:00	4	07/07/16 16:22	
T161436-46 B-24 @ 4.5' [Soil] Sampled 06/24/16 07:41 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/08/16 07:41	
8081 Pesticides	07/07/16 15:00	4	07/08/16 07:41	
8270C PAH SIM	07/07/16 15:00	4	07/08/16 07:41	

WORK ORDER

T161436

Client: Enthalpy Analytical, Inc.

Project Manager: Nicole Bryson

Project: 380064

Project Number: 380064

Analysis	Due	TAT	Expires	Comments
T161436-47 B-25 @ 1.5' [Soil] Sampled 06/24/16 08:08 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/08/16 08:08	
8081 Pesticides	07/07/16 15:00	4	07/08/16 08:08	
8270C PAH SIM	07/07/16 15:00	4	07/08/16 08:08	
T161436-48 B-26 @ 6' [Soil] Sampled 06/24/16 09:06 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/08/16 09:06	
8081 Pesticides	07/07/16 15:00	4	07/08/16 09:06	
8270C PAH SIM	07/07/16 15:00	4	07/08/16 09:06	
T161436-49 B-26 @ 9' [Soil] Sampled 06/24/16 09:20 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/08/16 09:20	
8081 Pesticides	07/07/16 15:00	4	07/08/16 09:20	
8270C PAH SIM	07/07/16 15:00	4	07/08/16 09:20	
T161436-50 B-26 @ 10.5' [Soil] Sampled 06/24/16 09:25 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/08/16 09:25	
8081 Pesticides	07/07/16 15:00	4	07/08/16 09:25	
8270C PAH SIM	07/07/16 15:00	4	07/08/16 09:25	
T161436-51 B-26 @ 12' [Soil] Sampled 06/24/16 09:30 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/08/16 09:30	
8081 Pesticides	07/07/16 15:00	4	07/08/16 09:30	
8270C PAH SIM	07/07/16 15:00	4	07/08/16 09:30	
T161436-52 B-27 @ 1.5' [Soil] Sampled 06/24/16 09:58 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/08/16 09:58	
8081 Pesticides	07/07/16 15:00	4	07/08/16 09:58	
8270C PAH SIM	07/07/16 15:00	4	07/08/16 09:58	
T161436-53 B-28 @ 6' [Soil] Sampled 06/24/16 11:05 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/07/16 15:00	4	07/08/16 11:05	
8081 Pesticides	07/07/16 15:00	4	07/08/16 11:05	
8270C PAH SIM	07/07/16 15:00	4	07/08/16 11:05	

WORK ORDER

T161436

Client: Enthalpy Analytical, Inc.

Project Manager: Nicole Bryson

Project: 380064

Project Number: 380064

Analysis	Due	TAT	Expires	Comments
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APPENDIX D

ERRATA

Unrevised report page 1, after second paragraph, clarification add “This report is revised per clarification and errata comments provided by Mr. Richard Bagley on May 9, 2017. The clarification and errata comments are provided in the text of this report and itemized in Appendix D.”

Unrevised report Page 2, first paragraph, line 12, clarification delete “on site” add to follow soil piles “that are located on Parcel 4 of TPM 17341 (APN 267-145-34)”.

Unrevised report Page 2, first paragraph, line 12, clarification add “APN 267-45-32” after Parcel 2 of TM 17341.

Unrevised report Page 3, Number 5 following first paragraph, errata, change (APN 267-145-34) to (APN 267-145-33).

Unrevised report, page 11 after Appendix C, clarification add “Appendix D Clarification and Errata”.

Unrevised report, third sheet of Table 1, Arsenic Concentrations, left column, B-28A@1’, clarification, add “(surface grab sample)”.

Unrevised report, third sheet of Table 1, Arsenic Concentrations, left column, Stk/East, clarification add “(Soil Pile Grab Sample)”.

Unrevised report, third sheet of Table 1, Arsenic Concentrations, left column, Stk/West, clarification add “(Soil Pile Grab Sample)”.

Unrevised report, third sheet of Table 1, Arsenic Concentrations, center column of Stk/East, clarification add “East Pile on South Side of APN 267-145-34”.

Unrevised report, third sheet of Table 1, Arsenic Concentrations, center column of Stk/West, clarification add “West Pile on South Side of APN 267-145-34”.