

Construction Testing & Engineering, Inc.

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September 16, 2016 Revised May 25, 2017 CTE PR No. 10-13131E

Via Email: dave@civillandworks.com

Mr. Richard Bagley

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

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 hyrocarbons. 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 metavolocanic rocks that underlie the area to include Black Mountain where a historic (1920s) arsenic mine is located.

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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.

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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

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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 (APN267-146-05) 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 judgemental samples collected on July 28, 2016. 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). 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'latititude=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

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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 oulier inflection line as extrapolated to Parcel 4 TM 17341 indicates values of 13.4 mg/kg and greater to be outliers from a normality.

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• 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.

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

Respectfully submitted,

CONSTRUCTION TESTING & ENGINEERING, INC.

Dan T. Math, RCE #61013

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GFR/DTM:nri

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EXP.12/31/18

Attachments:

Figure 1 Site Index Map

Figure 2 and 2A Exploration Location Map

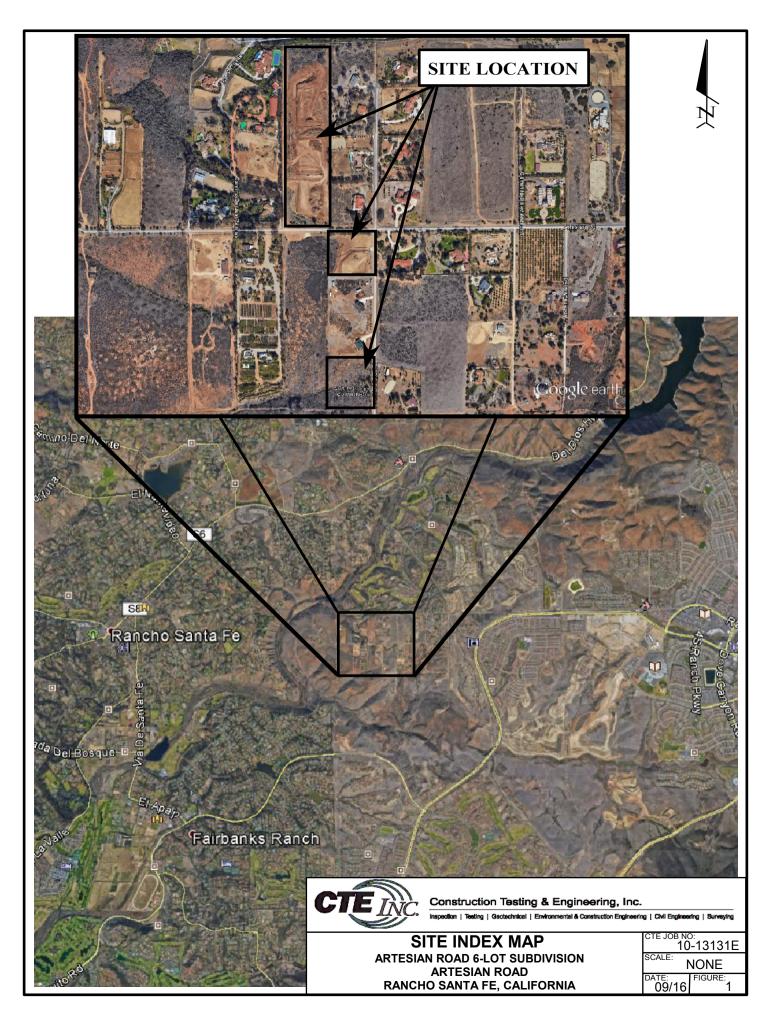
Table 1 Arsenic Concentrations
Table 2 Arsenic Statistical Values
Normal Probabilty Plots 1 through 3 (inclusive)

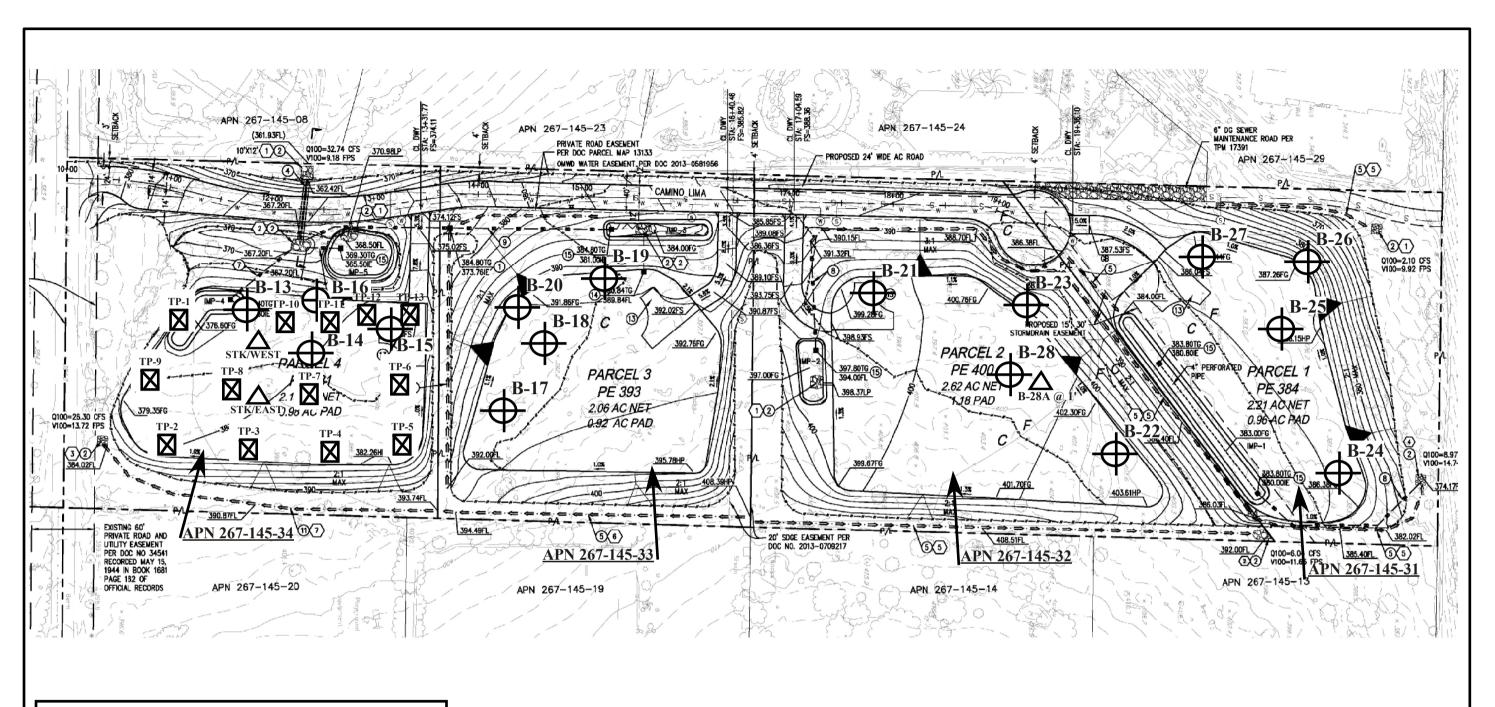
Appendix A References

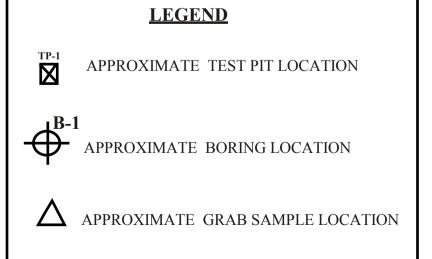
Appendix B Boring Logs

Appendix C Laboratory Analytical Results (on attached CD)

Appendix D Clarification and Errata











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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

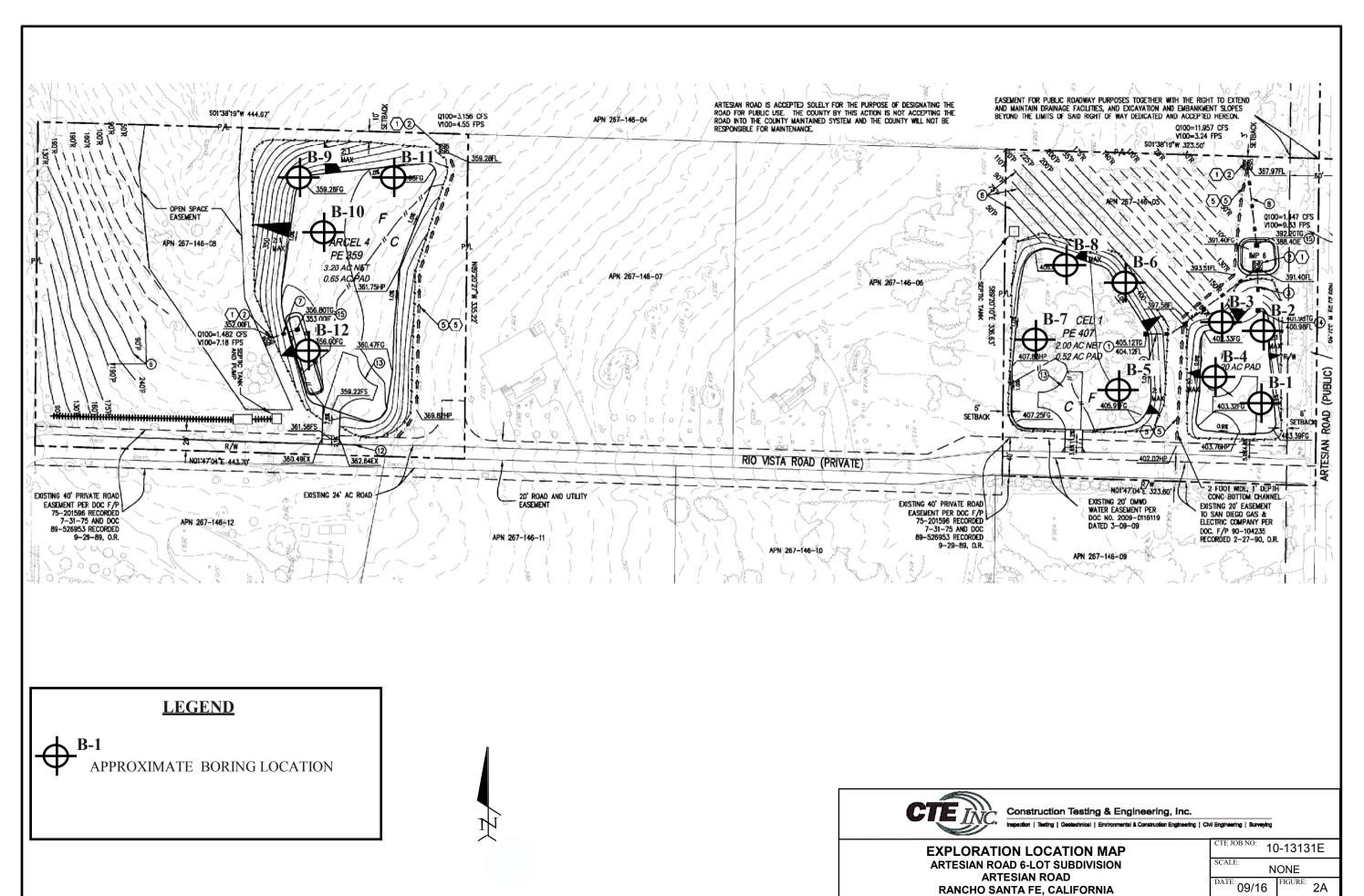


TABLE 1 ARSENIC CONCENTRATIONS

Sample Number@ Depth	Location	Import	Arsenic (mg/kg)
B-1@1.5'	Parcel 1 (Rio Vista)	X	5.83
B-1@3'	APN267-146-05 (small pad)	X	8.46
B-1@4.5	pau)	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)	X	4.65
B-6@3.0'	APN267-146-05 (large	X	2.2
B-6@4.5'	pad)		2.29
B-7@1.5'	Ţ	X	4.1
B-7@3.0'	Ī	X	8.14
B-9@1.5'	Parcel 4 (Rio Vista)		3.49
B-9@3.0'	APN267-146-08		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		7.06
B-13@3.0'	267-145-34		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'			11.1
TP-3 @ -2.5'			8.26
TP-4 @ -1.0'	Parcel 4 (Artesian) APN 267-145-34		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	X	6.92
B-17@4.5'	267-145-33		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'	Γ		5.8

TABLE 1 ARSENIC CONCENTRATIONS

Sample Number@ Depth	Location	Import	Arsenic (mg/kg)
B-21@1.5'	Parcel 2 (Artesian) APN	X	7.57
B-21@3.0'	267-145-32		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	X	5.63
B-23@3.0'	267-145-32		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']		7.75
(surface grab sample)			7.73
B-24@4.5'	Parcel 1 (Artesian) APN		10.1
B-25@1.5'	267-145-31		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

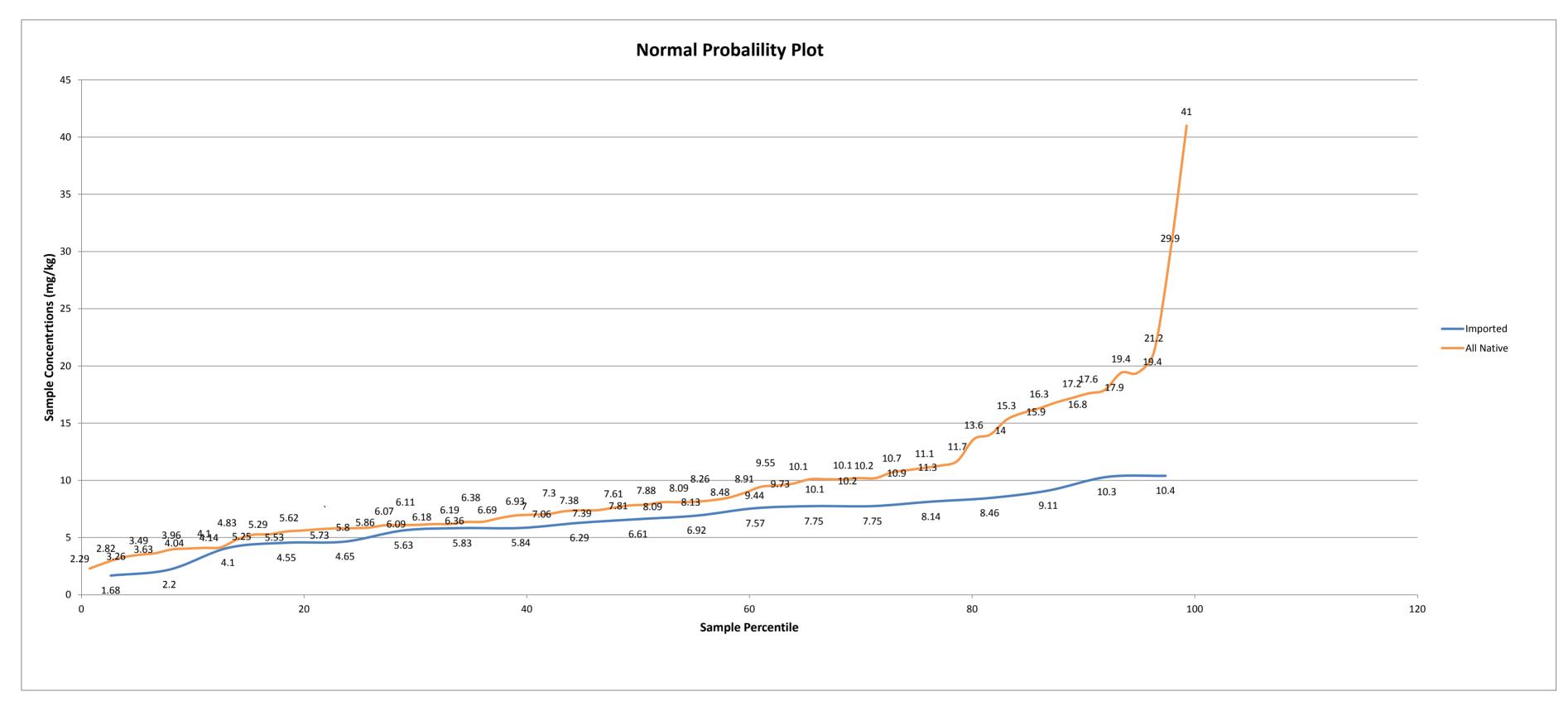


Chart 1: Arsenic concentration values from all imported fill soil, and all native soil to identify and compare deviation from a normality.

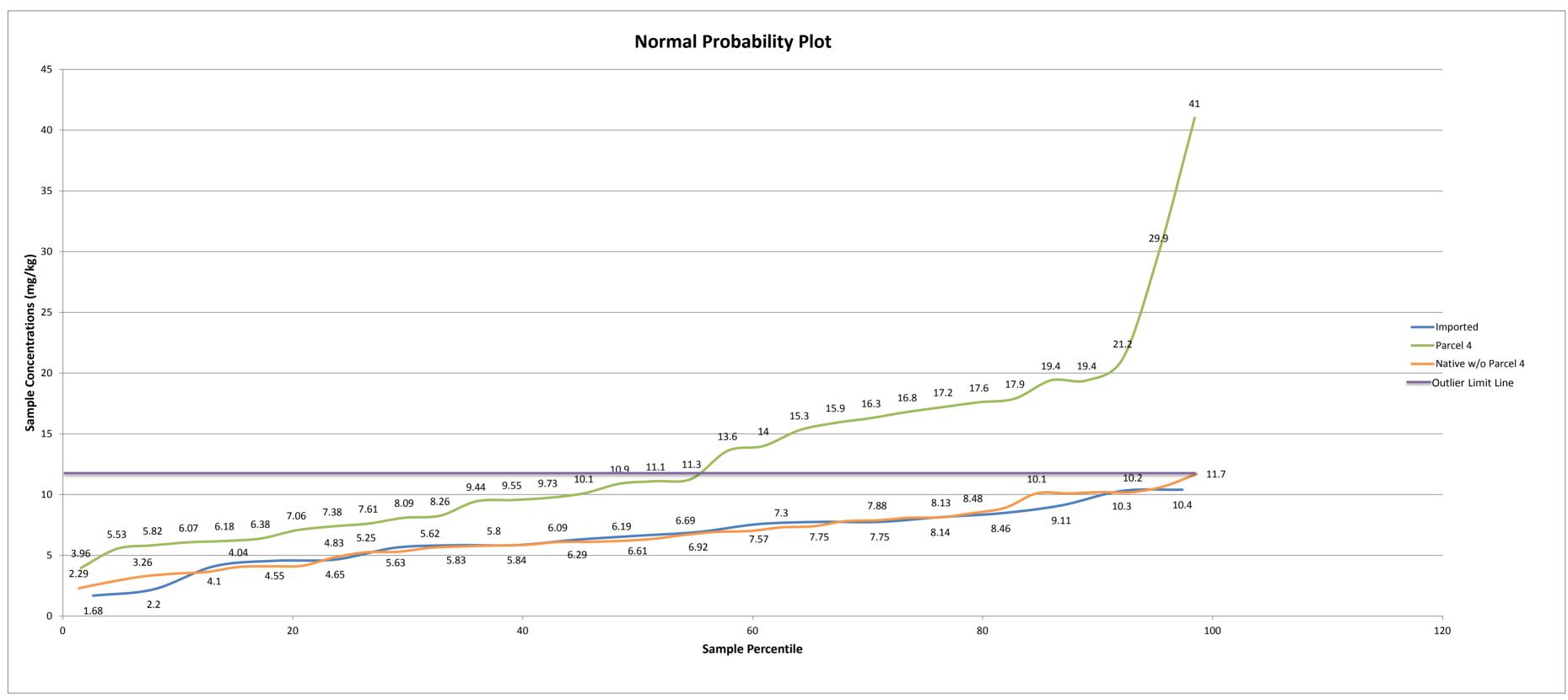


Chart 2: Arsenic concentration values from all imported fill soil, native soil (excluding Parcel 4) and all Parcel 4 (Artesian Rd) to identify and compare deviation from normality.

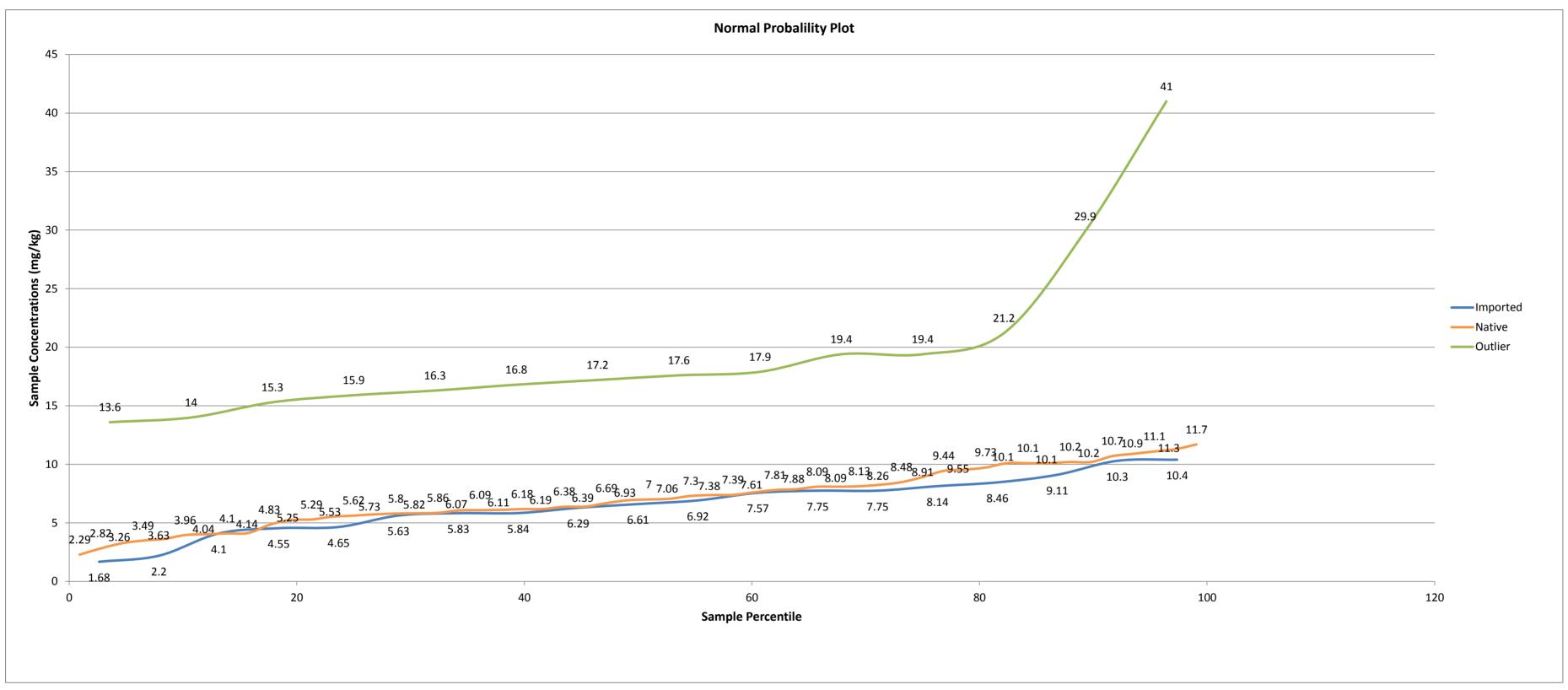


Chart 3: Arsenic concrentaion values from all imported fill soil, native soil without Parcel 4 (Artesian Rd) and Parcel 4 outlier to identify and compare deviation from normality.

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 framents.
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.



BORING LOGS

Bagley Property 10-13131E

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 20 NONE Weathered Formation at 5' B-2 @ 1.5' 6/22/16 17 NONE Medium dense, clayey fine SAND B-2 @ 3.0' 6/22/16 17 NONE Sandy clay to clayey sand. B-2 @ 6.0' 6/22/16 21 NONE Sandy clay to clayey sand. B-2 @ 6.0' 6/22/16 21 NONE Weathered Formation B-3 @ 1.5' 6/22/16 21 NONE HILL: Medium dense, clayey fine SAND B-3 @ 1.5' 6/22/16 21 NONE 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 @ 6.0' 6/22/16 38 NONE Weathered Formation B-4 @ 1.5' 6/22/16 26 NONE 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 26 NONE Medium dense, clayey fine SAND B-4 @ 6.0' 6/22/16 26 NONE Medium dense, clayey fine SAND B-4 @ 6.0' 6/22/16 18 NONE Medium dense, clayey fine SAND B-4 @ 6.0' 6/22/16 18 NONE Medium dense, clayey fine SAND B-5 @ 3.0' 6/22/16 18 NONE Weathered Formation B-5 @ 3.0' 6/22/16 25 NONE Weathered Formation B-5 @ 3.0' 6/22/16 25 NONE Weathered Formation B-5 @ 3.0' 6/22/16 15 NONE Hedium dense, clayey fine SAND B-6 @ 3.0' 6/22/16 15 NONE Medium dense, clayey fine SAND B-6 @ 3.0' 6/22/16 15 NONE Hedium dense, clayey fine SAND B-6 @ 3.0' 6/22/16 15 NONE Hedium dense, clayey fine SAND B-6 @ 3.0' 6/22/16 15 NONE Hedium dense, clayey fine SAND B-6 @ 3.0' 6/22/16 15 NONE Hedium dense, clayey fine SAND B-9 @ 3.0' 6/22/16 18 NONE Hedium dense, clayey fine SAND B-9 @ 3.0' 6/22/16 18 NONE Hedium dense, clayey fine SAND B-9 @ 3.0' 6	BORING /SAMPLE DEPTH	DATE	BLOW COUNTS	PID DETECTS	SOIL DESCRIPTION
B-1 @ 3.0' 6/22/16 16.0 NONE Trace gravel B-1 @ 4.5' 6/22/16 20 NONE FILL: Medium dense, clayey fine SAND B-2@ 1.5' 6/22/16 25 NONE Sandy clay to clayey sand. B-2@ 4.5' 6/22/16 25 NONE Sandy clay to clayey sand. B-2@ 4.5' 6/22/16 21 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@ 3.0' 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@ 6.0' 6/22/16 19 NONE Medium dense, clayey fine SAND B-3@ 7.5' 6/22/16 26 NONE FILL: Medium dense, clayey fine SAND B-3@ 3.0' 6/22/16 26 NONE FILL: Medium dense, clayey fine SAND B-4@ 1.5' 6/22/16 26 NONE Medium dense, clayey fine SAND B-4@ 1.5' 6/22/16 26 NONE Medium dense, clayey fine SAND B-4@ 1.5' 6/22/16 26 NONE Medium dense, clayey fine SAND B-4@ 1.5' 6/22/16 26 NONE Medium dense, clayey fine SAND B-4@ 1.5' 6/22/16 20 NONE Medium dense, clayey fine SAND B-4@ 1.5' 6/22/16 25 NONE Medium dense, clayey fine SAND B-5@ 1.5' 6/22/16 33 NONE Weathered Formation B-5@ 1.5' 6/22/16 25 NONE Medium dense, clayey fine SAND B-5@ 1.5' 6/22/16 25 NONE Medium dense, clayey fine SAND B-6@ 1.5' 6/22/16 25 NONE Medium dense, clayey fine SAND B-6@ 3.0' 6/22/16 25 NONE Medium dense, clayey fine SAND B-6@ 3.0' 6/22/16 34 NONE FILL: Medium dense, clayey fine SAND B-6@ 3.0' 6/22/16 35 NONE Medium dense, clayey fine SAND B-6@ 3.0' 6/22/16 36 NONE Medium dense, clayey fine SAND B-6@ 3.0' 6/22/16 38 NONE FILL: Medium dense, clayey fine SAND B-6@ 3.0' 6/22/16 38 NONE FILL: Medium dense, clayey fine SAND B-9@ 3.0' 6/22/16 38 NONE FILL: Medium dense, clayey fine SAND B-9@ 3.0' 6/22/16 38 NONE Cl		6/00/16	(PER FOOT)		EH I M 1' 1 1 C CAND
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B-2 @6.0' 6/22/16					* *
B-2 @7.5' 6/22/16 21 NONE Weathered Formation					* * *
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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@10.5' 6/22/16 50/6" NONE Clayey SAND to sandy CLAY B-9@12.0' 6/22/16 19 NONE Clayey SAND to sandy CLAY B-10@1.5' 6/22/16 19 NONE FILL: Medium dense, clayey fine SAND	B-7@1.5'	6/22/16			
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@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-10@1.5' 6/22/16 19 NONE FILL: Medium dense, clayey fine SAND	B-7@3.0'	6/22/16		NONE	•
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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-10@1.5' 6/22/16 19 NONE FILL: Medium dense, clayey fine SAND	B-8@3.0'	6/22/16		NONE	Medium dense, clayey fine SAND
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-9@1.5'	6/22/16	14	NONE	FILL: Medium dense, clayey fine SAND
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-9@3.0'	6/22/16	11	NONE	to sandy CLAY with gravels
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-9@4.5'	6/22/16	18	NONE	Clayey SAND to sandy CLAY
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-9@6.0'	6/22/16	20	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-9 @7.5'	6/22/16	18	NONE	Trace organics
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-9@9.0'	6/22/16	15	NONE	Clayey SAND to sandy CLAY
B-1 0@1.5' 6/22/16 19 NONE FILL: Medium dense, clayey fine SAND	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 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@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 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@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-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	B-13@1.5'	6/23/16	18	NONE	FILL: Medium dense, clayey fine SAND

LABORATORY SUMMARY CTE JOB NO. 10-5532



Construction Testing & Engineering, Inc. 1441 Montiel Rd Ste 115, Escondido, CA 92026 Ph (760) 746-4955

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-1 6 @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 @ 1.5 B-19 @ 3.0'	6/23/16	18	NONE	with gravel and cobble.
	6/23/16	14		With clays
B-19 @4.5'	6/23/16	50/6"	NONE	Weathered Formation @ 7.5'
B-19 @6.0'		26	NONE	
B-20 @1.5'	6/23/16		NONE	FILL: Medium dense, clayey to silty fine SAND
B-20 @3.0'	6/23/16	42	NONE	with gravel and cobble. Refusal on cobble a 8'
B-20 @4.5'	6/23/16	23	NONE	
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

LABORATORY SUMMARY CTE JOB NO. 10-5532



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 Fromation
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'

LABORATORY SUMMARY CTE JOB NO. 10-5532

$\frac{\text{APPENDIX C}}{\text{LABORATORY RESULTS}}$



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

Comments: Bagley

#10-13131E

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

MONTROSE

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

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.

Sample #Client Sample ID380894-001B28A@1'380894-002Stk/East380894-003Stk/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

Winst

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:

Sampled: 07/28/2016 07:15 Site:

Sample #: 380894-001 Client Sample #: B28A@1' Sample Type:

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

QCBatchID:QC1169491Analyst:dswaffordMethod:EPA 6010BMatrix:SolidAnalyzed:08/01/2016Instrument:AAICP (group)

	Blan	k Summary			
	Blank				
Analyte	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 Cont	trol Spike/	Lab Control	l Spike	Duplicat	e Sun	nmary				
	Spike Amo	ount Spike R	Result		Reco	veries		Limi	ts	
Analyte	LCS LC	SD LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
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											
	Sample Spike Amount			Spike	Result		Recoveries			Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1169491MS1, QC1169491MSD1						•			•	Sc	urce:	380894-003
Antimony	ND	100	100	71.5	68.3	mg/Kg	73	70	4.6	75-125	20	М
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	

Enthalpy

Matrix: Solid	Analyzed:	08/01/2	2016	Instru	ıment: A	AICP (group))					
	Sample Spike Amount		Spike	Spike Result		Recoveries		Recoveries		ts		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1169491MS1, QC1169491MSD1										Sc	ource:	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	

Method: EPA 6010B

Analyst: dswafford

QCBatchID: QC1169491

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

Blank Summary											
	Blank										
Analyte	Result	Units		RDL	Notes						
QC1169494MB1											
Mercury	ND	mg/Kg		0.14							

Lab Control Spike/ Lab Control Spike Duplicate Summary												
							Limi	ts				
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes	
QC1169494LCS1	•			•			,		•	•		
Mercury	0.83		0.85		mg/Kg	102			80-120			

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike	Spike Amount Spike Result				Recoveries			Limits		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1169494MS1, QC1169494MSD1										Sc	ource:	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.

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



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Y->0	CO 1107	1										·	² Received By:
	41/47	1		, Sight Wall				<u> </u>	1		12 July	d By:	² Relinquished By:
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ther	$4 = H_2SO_4$ 5 = NaOH 6 = Other	4 = H ₂ SO		>eaw = sea Water = Wipe O = Other	Ÿ	W = Water	SW = Swab W = V	-			1 Park Plaza, Suite 1000, Irvine, CA 92614	uite 1000, In	1 Park Plaza, !
3 = HNO ₃	$1 = Na_2S_2O_3$ $2 = HCI$	atives:	Preservatives:	Solid L=Liquid	α _		FL = Food Liquid	n ≺ 1	HALP tical, in	analy	tal Group	Environment	c/o Montrose Environmental Group
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	Samo	1 Day:		2 Day:		of	íë T	Page:		7	Fax: (714)771-9933	Phone: (714) 771-6900	Phone: (7
_ ;	3 Dav:	4 Day:	7	Standard	4	っめつかん	Lab No:	Lab			806 N. Batavia St., Orange, CA 92868	. Batavia St., ı	806 N
otice only)	Turn Around Time (Rush by advanced notice only)	e (Rush	round Tim	Turn A	Record	Chain of Custody Record	Chain c				ENTHALPHY ANALYTICAL, INC.	ALPHY AN	



SAMPLE ACCEPTANCE CHECKLIST

Section 1		RAGIII		
Client: CTE Proje Date Received: 7/28/6 Samp	:ct:	BAGLY.		
	oler's Signa	ture Present: 🦞	es No)
Sample temperature:				
	Section 2)			
Shipping Information:				
Section 2			_	
Was the cooler packed with: Ice Ice Packs _	Bubble	WrapStyr	ofoam	
Cooler 1 Temperature: 4.3° C Paper None Cooler 2 Temperature:	Ome:	r 3 Temperature		_
(Acceptance range is 0 to 6 Deg. C. or arrival on ice; For Microbia	COU	< 10 Dea Cor arriv	al on ical	
	owy sample.	YES	NO	N/A
Section 3 Was a COC received?		125	110	14/11
Were IDs present?				-
Were sampling dates & times present?		- V		
Was a signature present?				:
Were tests clearly indicated?		i/	1 7	
Were custody seals present?		3	- L	17
If Yes – were they intact?				
Were all samples sealed in plastic bags?				
Did all samples arrive intact? If no, indicate below.				+
Did all bottle labels agree with COC? (ID, dates and times)				
Were correct containers used for the tests required?			-	<u> </u>
Was a sufficient amount of sample sent for tests indicated?				1
Was there headspace in VOA vials?				V
Were the containers labeled with correct preservatives?				1
Was total residual chlorine measured (Fish Bioassay samples	s only)? *			V
*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	I / N/A		
Project Manager's response:				
Missa				
	=	2816		
Completed By: Date:	/\	<u> </u>		





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

Rose Fashel

Project Manager



Enthalpy Analytical, Inc. Project: 380894 PO# 380894

806 N. BataviaProject Number: 380894Reported:Orange CA, 92868Project Manager: Ranjit Clarke08/05/16 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.



Enthalpy Analytical, Inc. Project: 380894 PO# 380894

806 N. BataviaProject Number: 380894Reported:Orange CA, 92868Project Manager: Ranjit Clarke08/05/16 14:17

DETECTIONS SUMMARY

Sample ID:	B28A@1'	Laborato	ry ID:	T161748-01		
		I	Reporting			
Analyte		Result	Limit	Units	Method	Notes
C29-C40 (N	MORO)	210	10	mg/kg	EPA 8015C	
Sample ID:	Stk/East	Laborato	ry ID:	T161748-02		
No Results D	etected					
Sample ID:	Stk/West	Laborato	ry ID:	T161748-03		

No Results Detected

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380894 PO# 380894

806 N. BataviaProject Number: 380894Reported:Orange CA, 92868Project Manager: Ranjit Clarke08/05/16 14:17

B28A@1' T161748-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratorie	s, Inc.					
Extractable Petroleum Hydrocarb	ons 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	"	"	"	"	"	m .	
Surrogate: p-Terphenyl		98.1 %	65-1.	35	"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380894 PO# 380894

806 N. BataviaProject Number: 380894Reported:Orange CA, 92868Project Manager: Ranjit Clarke08/05/16 14:17

Stk/East T161748-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratorie	s, Inc.					
Extractable Petroleum Hydrocarbons by 80150	2								
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 %	65-1.	35	"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380894 PO# 380894

806 N. BataviaProject Number: 380894Reported:Orange CA, 92868Project Manager: Ranjit Clarke08/05/16 14:17

Stk/West T161748-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratorio	es, Inc.					
Extractable Petroleum Hydrocar	bons 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 %	65-1	35	"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380894 PO# 380894

806 N. BataviaProject Number: 380894Reported:Orange CA, 92868Project Manager: Ranjit Clarke08/05/16 14:17

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6072915 - EPA 3550B GC										
Blank (6072915-BLK1)				Prepared: 0	07/29/16 A	nalyzed: 08	3/02/16			
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	90.0		"	99.7		90.3	65-135			
LCS (6072915-BS1)				Prepared: 0	07/29/16 A	nalyzed: 08	3/02/16			
C13-C28 (DRO)	530	10	mg/kg	498		106	75-125			
Surrogate: p-Terphenyl	102		"	99.5		103	65-135			
Matrix Spike (6072915-MS1)	Sou	rce: T161704-	01	Prepared: 0	07/29/16 A	nalyzed: 08	3/02/16			
C13-C28 (DRO)	460	10	mg/kg	500	8.2	90.2	75-125			
Surrogate: p-Terphenyl	108		"	100		108	65-135			
Matrix Spike Dup (6072915-MSD1)	Sou	rce: T161704-	01	Prepared: 0	07/29/16 A	nalyzed: 08	3/02/16			
C13-C28 (DRO)	450	10	mg/kg	500	8.2	89.3	75-125	1.10	20	
Surrogate: p-Terphenyl	113		"	99.9		113	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.



Enthalpy Analytical, Inc. Project: 380894 PO# 380894

806 N. BataviaProject Number: 380894Reported:Orange CA, 92868Project Manager: Ranjit Clarke08/05/16 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.

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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

T161748

Project: 380894 Due: 08/05/16

PM: Ranjit Clarke

Email: ranjit.clarke@enthalpy.com CC: incomingreports@enthalpy.com

☐ EDD ☐ EDF ☐ EDT Require:

Note: PO# 380894 Comment Lab ID Matrix Sampled Sample ID **Analysis** 380894-001 07/28/16 07:15 B28A@1' 8015B EPH Carbon Chain Solid

380894-002 8015B EPH Carbon Chain 07/28/16 07:30 Stk/East Solid 380894-003 07/28/16 07:45 Stk/West 8015B EPH Carbon Chain Solid Relinquished By Received By: Note: Date/Time Date/Time 4.3 Date/Time Date/Time 19:20 7.28.16 18120

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:		
Client Name: ENTHALPY	Project: 380894 po # 380894	
Delivered by:	ourier GSO FedEx Other	
If Courier, Received by:	Date/Time Courier Received: 7/28/16 17:42	
Lab Received by:	Date/Time Lab Received: 7/28/16 (8120	
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 = \leq 6°C (no frozen containers)	hin criteria?	
If NO:	√No→	
If on ice, complex received come day	Yes \rightarrow Acceptable \square No \rightarrow Complete Non-Conformance Sh Complete Non-Conformance Sh	
If on ice, samples received same day	Complete Non-Conformance Sh Ves → Accentable Complete Non-Conformance Sh	
If on ice, samples received same day collected?	Complete Non-Conformance Sh ☐ No → Complete Non-Conformance Sh	
If on ice, samples received same day collected? Custody seals intact on cooler/sample	Complete Non-Conformance Sh ☐ No → Complete Non-Conformance Sh ☐ No → Complete Non-Conformance Sh ☐ Yes ☐ No* ☒ N/A	
If on ice, samples received same day collected? Custody seals intact on cooler/sample Sample containers intact	Complete Non-Conformance Sh No → Complete Non-Conformance Sh No → Complete Non-Conformance Sh Yes □No* No*	
If on ice, samples received same day collected? Custody seals intact on cooler/sample Sample containers intact Sample labels match Chain of Custody IDs	Complete Non-Conformance Sh No → Complete Non-Conformance Sh No → Complete Non-Conformance Sh Yes No* Yes No* Yes No* Yes No*	
If on ice, samples received same day collected? Custody seals intact on cooler/sample Sample containers intact Sample labels match Chain of Custody IDs Total number of containers received match COC	Complete Non-Conformance Sh No → Complete Non-Conformance Sh No → Complete Non-Conformance Sh Yes No*	
If on ice, samples received same day collected? Custody seals intact on cooler/sample Sample containers intact Sample labels match Chain of Custody IDs Total number of containers received match COC Proper containers received for analyses requested on Co	Complete Non-Conformance Sh No → Complete Non-Conformance Sh No → Complete Non-Conformance Sh Yes No*	
If on ice, samples received same day collected? Custody seals intact on cooler/sample Sample containers intact Sample labels match Chain of Custody IDs Total number of containers received match COC Proper containers received for analyses requested on Cocycontainers for an Complete shipment received in good condition with cocontainers, labels, volumes preservatives and within medical containers.	Complete Non-Conformance Sh No → Complete Non-Conformance Sh No → Complete Non-Conformance Sh Yes No*	
If on ice, samples received same day collected? Custody seals intact on cooler/sample Sample containers intact Sample labels match Chain of Custody IDs Total number of containers received match COC Proper containers received for analyses requested on Cocycontainers for an Complete shipment received in good condition with cocontainers, labels, volumes preservatives and within minolding times	Complete Non-Conformance Sh No → Complete Non-Conformance Sh No → Complete Non-Conformance Sh Yes No* Yes No*	





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 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 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 08/11/16 07:45

Reviewed By Date Page 1 of





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. Project : STANDARD 806 N. Batavia St. Location: 380894 Orange, CA 92868 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.

hi an

Signature: _____ Project Manager

dina.ali@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

Date: 08/09/2016



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.

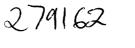
Pesticides (EPA 8081A):

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





Subcontract Laboratory:

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

ATTN: Dina Ali

Note: PO# 380894

<u>Project:</u> 380894 <u>Due:</u> 08/05/16

PM: Ranjit Clarke

Email: ranjit.clarke@enthalpy.com CC: incomingreports@enthalpy.com

Require: EDD EDF EDT

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
<u>Note:</u>			Relinguished By	Received By:	<u> </u>
			Date/Time /	Date/Time	
			7/28/16	16.37 7/29/16 @	1000
*.,			Date/Time	Date/Time	<u></u>



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:

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

ATTN: Dina Ali PO# 380894

Note: Additional sample.

Project:	380894	<u>Due:</u> 08/09	9/16
PM:	Ranjit Clark	е	
Email:	ranjit.clarke	@enthalpy.d	com
CC:	incomingre	oorts@entha	alpy.com
Require:	_ EDD	_ EDF	EDT
Report To:	MDL		

Note. Additions	ii sampie.					
Matrix	Sampled	Sample ID		Analysis	Comment	
Solid	07/28/16 07:15	B28A@1' (380894-001)	-	8270C_SIM_PAH_OUT	18081 pestica	rle
Solid	07/28/16 07:30	Stk/East (380894-002)		8270C_SIM_PAH_OUT		
			\sim \sim \sim	7.	/	
Note:			Relinguished By Date/Time	16.///	Date/Time	1030
			Date/Time	15:46	Date/Time	

COOLER RECEIPT CHECKLIST



Login # 279162 Date Recei Client Enthalog Analytical	ved 7/2	- 75	Number of coo	olers 3
Date Opened 7/29 By (print) Date Logged in By (print)	Project	38084 (sign)_ (sign)_	Sh dryu	the
Date Labelled By (print)	· V	(sign)		7
1. Did cooler come with a shipping slip (airb: Shipping info 532755837	ill, etc) 53275	G51 5298,) 53275529	ES NO
2A. Were custody seals present? YES How many Name	S (circle)		on samples Date	NO
2B. Were custody seals intact upon arrival? 3. Were custody papers dry and intact when r 4. Were custody papers filled out properly (in 5. Is the project identifiable from custody papers filled out properly (in 6. Indicate the packing in cooler: (if other, de	eceived?k, signed, en	rc)?	YI YI	NO S NO
Bubble Wrap	MBa □ Sty PM if temp	rofoam	☐ None ☐ Paper eeds 6°C	towels
Type of ice used: ₩ Wet ☐ Blue			Гетр(°С)_ 3 .	3 . 4 .9 3
☐ Temperature blank(s) included? ☐ T	hermometer	#	_ X IR Gun≠	
☐ Samples received on ice directly from	the field. C	Cooling prod		
 Were Method 5035 sampling containers pro If YES, what time were they transferre 	esent?			YES NO
3. Did all bottles arrive unbroken/unopened?				YES NO
10. Are there any missing / extra samples?				YES NO
11. Are samples in the appropriate containers f	or indicated	tests?		YES NO
12. Are sample labels present, in good conditions. Do the sample labels agree with questody and	0			YES NO
3. Do the sample labels agree with custody pa 4. Was sufficient amount of sample sent for to 5. Are the samples appropriately preserved?	ipers?	10		YES NO
5. Are the samples appropriately preserved? 6. Did you check preservatives for all bettless.	sis requeste	:U?	TTTO	YES NO
6. Did you check preservatives for all bottles: 7. Did you document your preservative should	for each con		YES	NO N/A
"" Jos Godinom Anna Cherr	/ /12 H OTWIN		\ X TT ~	~
0. Are bubbles > 6mm absent in VOA samples 1. Was the client contacted concerning this say	oneserveu tel	racores?_	YES	NO N/A
1. Was the client contacted concerning this sar If YES, Who was called?	nnle deliver		YES_	NO N/A
If YES, Who was called?	npic denver Rv	y:		YES NO
			-	
OMMENTS				
				· · · · · · · · · · · · · · · · · · ·
		•		
	-			
	· · · · · · · · · · · · · · · · · · ·			

COOLER RECEIPT CHECKLIST

ļ.,	Curtis	&	Tompkins,	Ltd

Login # 279162 Date Rec	ceived <u>4/</u>	3/16	Number of cool	ers_3_
Date Opened 9/3 By (print) Date Logged in By (print) Date Labelled By (print)	OB DIN	(sign)_ (sign)_ (sign)_	Chumbo Lugay	er V
1. Did cooler come with a shipping slip (as Shipping info 53280279).	irbill, etc) 532862 7 9	GSO 32,532	862780	NO NO
2A. Were custody seals present? Yes How many Name 2B. Were custody seals intact upon arrival. 3. Were custody papers dry and intact where 4. Were custody papers filled out properly 5. Is the project identifiable from custody 6. Indicate the packing in cooler: (if other,	TES (circle) ne? n received? (ink, signed,	on cooler	on samples Date YES	S NO S NO
■ Bubble Wrap ☐ Foam block ☐ Cloth material ☐ Cardboard	s ½ B	tyrofoam	□ None □ Paper to	wels
Tr C	lue/Gel 🔲		Temp(°C) 5.3	34,28
☐ Temperature blank(s) included? ☐		or#	,	, , ,
☐ Samples received on ice directly fr			🗷 IR Gun#_	<u> </u>
8. Were Method 5035 sampling containers If YES, what time were they transfer 9. Did all bottles arrive unbroken/unopened	present?			YES NO
10. Are there any missing / extra samples?				VES NO
11. Are samples in the appropriate container	s for indicate	ed tests?		YES NO
12. Are sample labels present, in good condi	ition and com	plete?		ES NO
13. 10 The sample labels some with and 1	_			CES NO
14. Was sufficient amount of sample sent for 15. Are the samples appropriately proserved	r tests reques	ted?	<u> </u>	_
17. Did you document your preservative che 18. Did you change the hold time in LIMS for	ck? (pH strip	lot#) YES	NO NA
18. Did you change the hold time in LIMS for 19. Did you change the hold time in LIMS for 19.	or unpreserve	d VOAs?	YES	NO WA
20. Are highles > 6mm absent in VOA	n breserved t	erracores? _	YES	
20. Are bubbles > 6mm absent in VOA samp 21. Was the client contacted concerning this If YES. Who was called?	sample delizz	0	YES	NO MA
If YES, Who was called?	Bv	ery?	Y. Date:	es no
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	

2.0



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	

3.0



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

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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 Page 1 of 1

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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	

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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

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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
	*REC	
TCMX	91	44-125
Decachlorobiphenyl	83	39-121



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



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

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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

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Organochlorine Pesticides					
Lab #:	279162	Location:	380894		
Client:	Enthalpy Analytical, Inc.	Prep:	EPA 3550B		
Project#:	STANDARD	Analysis:	EPA 8081A		
Field ID:	ZZZZZZZZZ	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
Decachlo	robiphenyl	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
Decachlo	orobiphenyl	65	39-121

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^{*=} Value outside of QC limits; see narrative RPD= Relative Percent Difference



	Organochlori	ne 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 Page 1 of 1

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	Organochlori	ine 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

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Enthalpy Analytical, Inc.

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

Client: Construction Testing & Engineering Inc.

Address: 1441 Montiel Road

Suite 115

Escondido, CA 92026

Attn: Greg Rzonca

Comments: Bagley Property

10-13131E



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

Client ID: 14407

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.

Sample # Client Sample ID Sample # Client Sample ID
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.

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Matrix: Solid		Construction	n Testing & En	gineering	Inc. Colle	ector: client	
Sampled: 08/26/2016 08:20 Sample #: <u>381858-001</u>	Site: Client Sample #:	TP-1 @ -1'			Sample	Туре:	
Analyte		Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	Prep Method: EPA						QCBatchID: QC1170352
Arsenic		14.0	1	1	mg/Kg	08/29/16	09/01/16 JN
Matrix: Solid Sampled: 08/26/2016 08:30	Client: Site:	Constructio	n Testing & En	gineering	Inc. Coll	ector: client	
Sample #: 381858-002	Client Sample #:	TP-1 @ -2.	5'		Sample	Туре:	
Analyte Method: EPA 6010B NELAC	Prep Method: EPA	Result	DF	RDL	Units	Prepared	Analyzed By Notes QCBatchID: QC1170352
Arsenic	<u>'</u>	11.3	1	1	mg/Kg	08/29/16	09/01/16 JN
Arsenic		11.3	1	I	ilig/Kg	00/29/10	
Matrix: Solid		Constructio	n Testing & En	gineering	Inc. Coll	ector: client	
Sampled: 08/26/2016 08:40 Sample #: 381858-003	Site: Client Sample #:	TP-2 @ -1'			Sample	Type:	
Analyte		Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	Prep Method: EPA				Cilito	opaica	QCBatchID: QC1170352
Arsenic	<u>'</u>	16.8	1	1	mg/Kg	08/29/16	09/01/16 JN
Matrix: Solid	Client:	Construction	n Testing & En	aineerina	Inc. Colle	ector: client	
Sampled: 08/26/2016 08:45	Site:			J 3 G. II 19		00111	
Sample #: 381858-004	Client Sample #:	TP-2 @ -2.	5'		Sample	Type:	
Analyte	R	Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	Prep Method: EPA		4	4		00/00/40	QCBatchID: QC1170352
Arsenic		6.07	1	1	mg/Kg	08/29/16	09/01/16 JN
Matrix: Solid	Client:	Construction	n Testing & En	gineering	Inc. Coll	ector: client	
Sampled: 08/26/2016 08:50 Sample #: <u>381858-005</u>	Site: Client Sample #:	TP-3 @ -1'			Sample	Type:	
Analyte		Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	Prep Method: EPA	1000	D1	INDL	Office	Перагеа	QCBatchID: QC1170352
Arsenic	· · · · · · · · · · · · · · · · · · ·	11.1	1	1	mg/Kg	08/29/16	09/01/16 JN
Matrix: Solid	Client:	Construction	n Testing & En	gineering	Inc. Coll	ector: client	
Sampled: 08/26/2016 08:55	Site:			0 0		ector. Cherit	
Sample #: 381858-006	011	TD 0 0	F1	0 0			
	Client Sample #:	TP-3 @ -2.	5'		Sample		
Analyte	R	Result	5' DF	RDL			Analyzed By Notes
	Prep Method: EPA	Result			Sample	Туре:	Analyzed By Notes QCBatchID: QC1170352 09/01/16 JN
Analyte Method: EPA 6010B NELAC Arsenic	Prep Method: EPA	Result A 3050B 8.26	DF	RDL 1	Sample Units mg/Kg	Type: Prepared 08/29/16	QCBatchID: QC1170352
Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid	Prep Method: EPA	Result A 3050B 8.26	DF	RDL 1	Sample Units mg/Kg	Type: Prepared	QCBatchID: QC1170352
Analyte Method: EPA 6010B NELAC Arsenic	Prep Method: EPA	Result A 3050B 8.26 Construction	DF 1 on Testing & Eng	RDL 1	Sample Units mg/Kg	Type: Prepared 08/29/16 ector: client	QCBatchID: QC1170352
Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 09:05 Sample #: 381858-007	Prep Method: EPA Client: Site: Client Sample #:	Result A 3050B 8.26 Constructio	DF 1 on Testing & Eng	RDL 1 gineering	Sample Units mg/Kg Inc. Colle	Type: Prepared 08/29/16 ector: client Type:	QCBatchID: QC1170352 09/01/16 JN
Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 09:05	Prep Method: EPA Client: Site: Client Sample #:	Result A 3050B 8.26 Constructio TP-4 @ -1' Result	DF 1 on Testing & Eng	RDL 1	Sample Units mg/Kg Inc. Colle	Type: Prepared 08/29/16 ector: client	QCBatchID: QC1170352
Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 09:05 Sample #: 381858-007 Analyte	Prep Method: EPA Client: Site: Client Sample #: Prep Method: EPA	Result A 3050B 8.26 Constructio TP-4 @ -1' Result	DF 1 on Testing & Eng	RDL 1 gineering	Sample Units mg/Kg Inc. Colle	Type: Prepared 08/29/16 ector: client Type:	QCBatchID: QC1170352 09/01/16 JN Analyzed By Notes
Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 09:05 Sample #: 381858-007 Analyte Method: EPA 6010B NELAC	Client: Site: Client Sample #: Prep Method: EPA	Result A 3050B 8.26 Construction TP-4 @ -1' Result A 3050B 16.3	DF 1 on Testing & Eng	RDL 1 gineering RDL 1	Sample Units mg/Kg Inc. Colle Sample Units mg/Kg	Type: Prepared 08/29/16 ector: client Type: Prepared	QCBatchID: QC1170352 09/01/16 JN Analyzed By Notes QCBatchID: QC1170352
Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 09:05 Sample #: 381858-007 Analyte Method: EPA 6010B NELAC Arsenic	Client: Site: Client Sample #: Prep Method: EPA	Result A 3050B 8.26 Construction TP-4 @ -1' Result A 3050B 16.3	DF 1 on Testing & Eng	RDL 1 gineering RDL 1	Sample Units mg/Kg Inc. Colle Sample Units mg/Kg	Type: Prepared 08/29/16 ector: client Type: Prepared 08/29/16	QCBatchID: QC1170352 09/01/16 JN Analyzed By Notes QCBatchID: QC1170352
Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 09:05 Sample #: 381858-007 Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid	Client: Site: Client Sample #: Prep Method: EPA Client: Client:	Result A 3050B 8.26 Construction TP-4 @ -1' Result A 3050B 16.3 Construction	DF 1 on Testing & English DF 1 on Testing & English	RDL 1 gineering RDL 1	Sample Units mg/Kg Inc. Colle Sample Units mg/Kg	Type: Prepared 08/29/16 ector: client Type: Prepared 08/29/16 ector: client	QCBatchID: QC1170352 09/01/16 JN Analyzed By Notes QCBatchID: QC1170352
Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 09:05 Sample #: 381858-007 Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 09:10 Sample #: 381858-008 Analyte	Client: Site: Client Sample #: Prep Method: EPA Client Sample #: Client: Site: Client Sample #:	Result A 3050B 8.26 Construction TP-4 @ -1' Result A 3050B 16.3 Construction TP-4 @ -2. Result	DF 1 on Testing & English DF 1 on Testing & English	RDL 1 gineering RDL 1	Sample Units mg/Kg Inc. Colle Sample Units mg/Kg Inc. Colle	Type: Prepared 08/29/16 ector: client Type: Prepared 08/29/16 ector: client	QCBatchID: QC1170352 09/01/16 JN Analyzed By Notes QCBatchID: QC1170352 09/01/16 JN Analyzed By Notes
Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 09:05 Sample #: 381858-007 Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 09:10 Sample #: 381858-008	Client: Site: Client Sample #: Prep Method: EPA Client: Site: Client Sample #: Client: Site: Client Sample #:	Result A 3050B 8.26 Construction TP-4 @ -1' Result A 3050B 16.3 Construction TP-4 @ -2. Result	DF 1 on Testing & English DF 1 on Testing & English 5'	RDL 1 gineering RDL 1 gineering	Sample Units mg/Kg Inc. Colle Sample Units mg/Kg Inc. Colle Sample	Type: Prepared 08/29/16 ector: client Type: Prepared 08/29/16 ector: client Type:	QCBatchID: QC1170352 09/01/16 JN Analyzed By Notes QCBatchID: QC1170352 09/01/16 JN

Matrix: Solid	Client:	Constructio	n Testing & En	gineering	Inc. Coll	ector: client	
Sampled: 08/26/2016 09:15 Sample #: 381858-009	Client Sample #:	TP-5 @ -1'			Sample	Type:	
Analyte		esult	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	Prep Method: EPA	17.2	1	1	ma/l/a	08/29/16	QCBatchID: QC1170353 08/31/16 JN
Arsenic		17.2	I	ı	mg/Kg	06/29/16	08/31/16 JN
Matrix: Solid Sampled: 08/26/2016 09:20	Client: Site:	Constructio	n Testing & En	gineering	Inc. Coll	ector: client	
Sample #: 381858-010	Client Sample #:	TP-5 @ -2.	5'		Sample	Type:	
Analyte		esult	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	Prep Method: EPA					00/00//0	QCBatchID: QC1170353
Arsenic		3.96 	1	1	mg/Kg	08/29/16	08/31/16 JN
Matrix: Solid	Client:	Constructio	n Testing & En	gineering	Inc. Coll	ector: client	
Sampled: 08/26/2016 09:30	Site:						
Sample #: 381858-011	Client Sample #:	TP-6 @ -1'			Sample	Type:	
Analyte		esult	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC Arsenic	Prep Method: EPA	3050B 29.9	1	1	mg/Kg	08/29/16	QCBatchID: QC1170353 08/31/16 JN
Arsenic			I	ı	ilig/Ng	06/29/16	00/31/10 JIN
Matrix: Solid	Client:	Constructio	n Testing & En	gineering	Inc. Coll	ector: client	
Sampled: 08/26/2016 09:35	Site:					_	
Sample #: 381858-012	Client Sample #:	TP-6 @ -2.	5' 		Sample	Type:	
Analyte		esult	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	Prep Method: EPA		4	4		00/00/40	QCBatchID: QC1170353
Arsenic		9.55 	1	1	mg/Kg	08/29/16	09/01/16 JN
Matrix: Solid	Client:	Constructio	n Testing & En	gineering	Inc. Coll	ector: client	
Sampled: 08/26/2016 09:50	Site:					_	
Sample #: 381858-013	Client Sample #:	TP-7 @ -1'			Sample	Type:	
Analyte		esult	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	Prep Method: EPA	3050B 9.73	1	1	ma/l/a	08/29/16	QCBatchID: QC1170353 09/01/16 JN
Arsenic	:	9.73	1	ı	mg/Kg	06/29/16	09/01/16 JN
Matrix: Solid	Client:	Constructio	n Testing & En	gineering	Inc. Coll	ector: client	
Sampled: 08/26/2016 09:55	Site:						
•	0" 10 1 "	TD 7 0 0					
Sample #: 381858-014	Client Sample #:	TP-7 @ -2.	5'		Sample		
Sample #: 381858-014 Analyte	R	esult	5' DF	RDL			Analyzed By Notes
Sample #: 381858-014 Analyte Method: EPA 6010B NELAC	Prep Method: EPA	Result 3050B	DF		Sample Units	Type: Prepared	QCBatchID: QC1170353
Sample #: 381858-014 Analyte	Prep Method: EPA	esult		RDL 1	Sample	Туре:	
Sample #: 381858-014 Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid	Prep Method: EPA	Result 3050B 17.6	DF	1	Sample Units mg/Kg	Type: Prepared	QCBatchID: QC1170353
Sample #: 381858-014 Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 10:05	Prep Method: EPA Client: Site:	Result 3050B 17.6 Constructio	DF 1	1	Sample Units mg/Kg Inc. Coll	Type: Prepared 08/29/16 ector: client	QCBatchID: QC1170353
Sample #: 381858-014 Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid	Prep Method: EPA	Result 3050B 17.6 Constructio	DF 1	1	Sample Units mg/Kg	Type: Prepared 08/29/16 ector: client	QCBatchID: QC1170353
Sample #: 381858-014	Prep Method: EPA Client: Site: Client Sample #:	Result 3050B 17.6 Constructio TP-8 @ -1'	DF 1	1	Sample Units mg/Kg Inc. Coll	Type: Prepared 08/29/16 ector: client	QCBatchID: QC1170353 09/01/16 JN Analyzed By Notes
Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 10:05 Sample #: 381858-015 Analyte Method: EPA 6010B NELAC	Client: Site: Client Sample #: Prep Method: EPA	Cesult 3050B 17.6 Construction TP-8 @ -1'	DF 1 In Testing & En	1 gineering RDL	Sample Units mg/Kg Inc. Coll Sample Units	Type: Prepared 08/29/16 ector: client Type: Prepared	QCBatchID: QC1170353 09/01/16 JN Analyzed By Notes QCBatchID: QC1170353
Sample #: 381858-014	Client: Site: Client Sample #: Prep Method: EPA	Result 3050B 17.6 Constructio TP-8 @ -1'	DF 1 In Testing & En	1 gineering	Sample Units mg/Kg Inc. Coll Sample	Type: Prepared 08/29/16 ector: client Type:	QCBatchID: QC1170353 09/01/16 JN Analyzed By Notes
Sample #: 381858-014 Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 10:05 Sample #: 381858-015 Analyte Method: EPA 6010B NELAC	Client: Site: Client Sample #: Prep Method: EPA	Cesult 3050B 17.6 Construction TP-8 @ -1' 3050B 10.1	DF 1 In Testing & En	1 gineering RDL	Sample Units mg/Kg Inc. Coll Sample Units mg/Kg	Type: Prepared 08/29/16 ector: client Type: Prepared	QCBatchID: QC1170353 09/01/16 JN Analyzed By Notes QCBatchID: QC1170353
Sample #: 381858-014	Prep Method: EPA Client: Site: Client Sample #: Prep Method: EPA Client: Site:	Constructio TP-8 @ -1' Cesult 3050B 10.1 Constructio	DF 1 In Testing & En DF 1 In Testing & En	1 gineering RDL	Sample Units mg/Kg Inc. Coll Sample Units mg/Kg Inc. Coll	Type: Prepared 08/29/16 ector: client Type: Prepared 08/29/16 ector: client	QCBatchID: QC1170353 09/01/16 JN Analyzed By Notes QCBatchID: QC1170353
Sample #: 381858-014 Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid Sampled: 08/26/2016 10:05 Sample #: 381858-015 Analyte Method: EPA 6010B NELAC Arsenic Matrix: Solid	Client: Site: Client Sample #: Prep Method: EPA	Constructio TP-8 @ -1' Cesult 3050B 10.1 Constructio	DF 1 In Testing & En DF 1 In Testing & En	1 gineering RDL	Sample Units mg/Kg Inc. Coll Sample Units mg/Kg	Type: Prepared 08/29/16 ector: client Type: Prepared 08/29/16 ector: client	QCBatchID: QC1170353 09/01/16 JN Analyzed By Notes QCBatchID: QC1170353
Sample #: 381858-014	Client: Site: Client Sample #: Prep Method: EPA Client: Site: Client Sample #: Client: Site: Client Sample #:	Construction TP-8 @ -1' Construction TP-8 @ -2.4 Construction TP-8 @ -2.4 Construction TP-8 @ -2.4	DF 1 In Testing & En DF 1 In Testing & En	1 gineering RDL	Sample Units mg/Kg Inc. Coll Sample Units mg/Kg Inc. Coll	Type: Prepared 08/29/16 ector: client Type: Prepared 08/29/16 ector: client	QCBatchID: QC1170353 09/01/16 JN Analyzed By Notes QCBatchID: QC1170353 09/01/16 JN Analyzed By Notes
Sample #: 381858-014	Client: Site: Client Sample #: Prep Method: EPA Client: Site: Client Sample #: Prep Method: EPA Client: Site: Client Sample #:	Construction TP-8 @ -1' Construction TP-8 @ -2.4 Construction TP-8 @ -2.4 Construction TP-8 @ -2.4	DF 1 In Testing & En DF 1 In Testing & En 5'	1 gineering RDL 1 gineering	Sample Units mg/Kg Inc. Coll Sample Units mg/Kg Sample	Type: Prepared 08/29/16 ector: client Type: Prepared 08/29/16 ector: client Type:	QCBatchID: QC1170353 09/01/16 JN Analyzed By Notes QCBatchID: QC1170353 09/01/16 JN

rep Method: EPA						
rep Method: EPA	14			Sample	Туре:	
Client: (esult	DF	RDL	Units	Prepared	Analyzed By Notes
Client: (QCBatchID: QC1170353
	19.4	1	1	mg/Kg	08/29/16	08/31/16 JN
Site:	Constructio	n Testing & Eng	jineering	Inc. Colle	ector: client	
lient Sample #: 1	TP-9 @ -2.	5'		Sample	Туре:	
		DF	RDL	Units	Prepared	Analyzed By Notes
						QCBatchID: QC1170353
	7.38	1	1	mg/Kg	08/29/16	08/31/16 JN
Client: (Constructio	n Testing & Eng	jineering	Inc. Colle	ector: client	
Site:						
lient Sample #:	TP-10 @ -1	1		Sample	Type:	
		DF	RDL	Units	Prepared	Analyzed By Notes QCBatchID: QC1170353
		1	1	ma/Ka	08/29/16	08/31/16 JN
	17.5	'	'	mg/rtg	00/23/10	00/01/10 014
	Constructio	n Testing & Eng	ineering	Inc. Colle	ector: client	
Site:						
lient Sample #:	TP-10 @ -2	1.5'		Sample	Type:	
		DF	RDL	Units	Prepared	Analyzed By Notes
·		1	1	ma/Ka	08/29/16	QCBatchID: QC1170353 08/31/16 JN
		•	•	9/119	00/20/10	00/01/10 011
	Constructio	n Testing & Eng	jineering	Inc. Colle	ector: client	
	TP-11 @ -1			Sample	Tyne:	
			DDI			A 1 1 D N 4
		DF	KUL	Units	Prepared	Analyzed By Notes QCBatchID: QC1170353
·		1	1	mg/Kg	08/29/16	08/31/16 JN
Ollende	0	- T 0 F				
	Constructio	n resumg & Eng	Jineening	inc. Con	ector: client	
	TP-11 @ -2	5'		Sample	Tvpe:	
			DDI			Analyzed Dy Notes
		DF	KUL	Units	Prepared	Analyzed By Notes QCBatchID: QC1170353
7	7.61	1	1	mg/Kg	08/29/16	08/31/16 JN
	Constructio	n Testing & Eng	ineerina		4 U 4	
Client: (5 3		Inc. Colle	ector: client	
Client: (, 3	Inc. Colle	ector: client	
	TP-12 @ -1		, 3	Inc. Colle Sample		
Site:	TP-12 @ -1 esult	DF	RDL			Analyzed By Notes
Site:	esult			Sample	Туре:	Analyzed By Notes QCBatchID: QC1170353
Site: :lient Sample #: 1 R rep Method: EPA	esult			Sample	Туре:	
Site: :lient Sample #: 1 R rep Method: EPA	esult 3050B 15.9	DF	RDL 1	Sample Units mg/Kg	Type: Prepared	QCBatchID: QC1170353
Site: :lient Sample #: 1 R rep Method: EPA	esult 3050B 15.9	DF 1	RDL 1	Sample Units mg/Kg	Prepared 08/29/16	QCBatchID: QC1170353
Site: Ilient Sample #: 1 Represented the EPA Client: C	esult 3050B 15.9 Constructio	DF 1 n Testing & Eng	RDL 1	Sample Units mg/Kg	Prepared 08/29/16 ector: client	QCBatchID: QC1170353
Site: Ilient Sample #: 1 Represented EPA Client: Contact Site: Ilient Sample #: 1	esult 3050B 15.9 Constructio	DF 1 n Testing & Eng	RDL 1	Sample Units mg/Kg Inc. Colle	Prepared 08/29/16 ector: client	QCBatchID: QC1170353 08/31/16 JN Analyzed By Notes
Site: Ilient Sample #: 1 Represented EPA Client: Contact Site: Ilient Sample #: 1	esult 3050B 15.9 Constructio TP-12 @ -2 esult	DF 1 n Testing & Eng	RDL 1 gineering	Sample Units mg/Kg Inc. Colle	Prepared 08/29/16 ector: client Type:	QCBatchID: QC1170353 08/31/16 JN
r	Client: Site: lient Sample #: Rep Method: EPA Client: Site: lient Sample #: Rep Method: EPA Client: Site:	Site: lient Sample #: TP-10 @ -1 Result ep Method: EPA 3050B 17.9 Client: Constructio Site: lient Sample #: TP-10 @ -2 Result ep Method: EPA 3050B 8.09 Client: Constructio Site: lient Sample #: TP-11 @ -1 Result ep Method: EPA 3050B 19.4 Client: Constructio Site: lient Sample #: TP-11 @ -2 Result ep Method: EPA 3050B	r.38 1 Client: Construction Testing & Eng Site: lient Sample #: TP-10 @ -1' Result DF ep Method: EPA 3050B 17.9 1 Client: Construction Testing & Eng Site: lient Sample #: TP-10 @ -2.5' Result DF ep Method: EPA 3050B 8.09 1 Client: Construction Testing & Eng Site: lient Sample #: TP-11 @ -1' Result DF ep Method: EPA 3050B 19.4 1 Client: Construction Testing & Eng Site: lient Sample #: TP-11 @ -1' Result DF ep Method: EPA 3050B 19.4 1 Client: Construction Testing & Eng Site: lient Sample #: TP-11 @ -2.5' Result DF ep Method: EPA 3050B	Client: Construction Testing & Engineering Site: lient Sample #: TP-10 @ -1' Result DF RDL ep Method: EPA 3050B 17.9 1 1 Client: Construction Testing & Engineering Site: lient Sample #: TP-10 @ -2.5' Result DF RDL ep Method: EPA 3050B 8.09 1 1 Client: Construction Testing & Engineering Site: lient Sample #: TP-11 @ -1' Result DF RDL ep Method: EPA 3050B 19.4 1 1 Client: Construction Testing & Engineering Site: lient Sample #: TP-11 @ -1' Result DF RDL ep Method: EPA 3050B 19.4 1 1 Client: Construction Testing & Engineering Site: lient Sample #: TP-11 @ -2.5' Result DF RDL ep Method: EPA 3050B	Client: Construction Testing & Engineering Inc. Collection Site: Ident Sample #: TP-10 @ -1' Result DF RDL Units EPA 3050B 17.9 1 1 mg/Kg Client: Construction Testing & Engineering Inc. Collection Site: Ident Sample #: TP-10 @ -2.5' Result DF RDL Units EPA 3050B Result DF RDL Units EPA 3050B Result DF RDL Units EPA 3050B 8.09 1 1 mg/Kg Client: Construction Testing & Engineering Inc. Collection Site: Ident Sample #: TP-11 @ -1' Result DF RDL Units EPA 3050B 19.4 1 1 mg/Kg Client: Construction Testing & Engineering Inc. Collection Site: Ident Sample #: TP-11 @ -1' Result DF RDL Units EPA 3050B 19.4 1 1 mg/Kg Client: Construction Testing & Engineering Inc. Collection Site: Ident Sample #: TP-11 @ -2.5' Sample EPA 3050B Result DF RDL Units EPA Method: EPA 3050B Result DF RDL Units EPA Method: EPA 3050B	rep Method: EPA 3050B 7.38 1 1 mg/Kg 08/29/16 Client: Construction Testing & Engineering Inc. Collector: client Site: lient Sample #: TP-10 @ -1' Sample Type: Result DF RDL Units Prepared ep Method: EPA 3050B 17.9 1 1 mg/Kg 08/29/16 Client: Construction Testing & Engineering Inc. Collector: client Site: lient Sample #: TP-10 @ -2.5' Sample Type: Result DF RDL Units Prepared ep Method: EPA 3050B 8.09 1 1 mg/Kg 08/29/16 Client: Construction Testing & Engineering Inc. Collector: client Site: lient Sample #: TP-11 @ -1' Sample Type: Result DF RDL Units Prepared ep Method: EPA 3050B 19.4 1 mg/Kg 08/29/16 Client: Construction Testing & Engineering Inc. Collector: client Site: lient Sample #: TP-11 @ -1' Sample Type: Result DF RDL Units Prepared ep Method: EPA 3050B 19.4 1 mg/Kg 08/29/16 Client: Construction Testing & Engineering Inc. Collector: client Site: lient Sample #: TP-11 @ -2.5' Sample Type: Result DF RDL Units Prepared ep Method: EPA 3050B

Matrix: Solid	Client: Constru	ction Testing	& Engineering	Inc. Co	ollector: client			
Sampled: 08/26/2016 11:10	Site:							
Sample #: 381858-025	Client Sample #: TP-13 (D -1'		Samp	le Type:			
Analyte	Result	DF	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B					QCBatch	D: QC	1170353
Arsenic	12.5	1	1	mg/Kg	08/29/16	08/31/16	JN	
Matrix: Solid	Client: Constru	ction Testing	& Engineering	Inc. Co	ollector: client			
Matrix: Solid Sampled: 08/26/2016 11:15	Client: Constru Site:	ction Testing	& Engineering	Inc. Co	ollector: client			
			& Engineering		ollector: client			
Sampled: 08/26/2016 11:15	Site:		& Engineering			Analyzed	і Ву	Notes
Sampled: 08/26/2016 11:15 Sample #: 381858-026	Site: Client Sample #: TP-13 @	② -2.5'		Samp	le Type:	Analyze QCBatchl		Notes 1170353

QCBatchID:QC1170352Analyst:dswaffordMethod:EPA 6010BMatrix:SolidAnalyzed:08/29/2016Instrument:AAICP (group)

	Blar	nk Summary	/		
	Blank				
Analyte	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	В	
Thallium	ND	mg/Kg	1		
Vanadium	ND	mg/Kg	0.5		
Zinc	ND	mg/Kg	5		

Lab Cor	ntrol Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
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		

	Mat	Matrix Spike/Matrix Spike Duplicate Summary											
	Sample Spike Amount		Amount	Spike Result		Recoveries			Limits				
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes	
QC1170352MS1, QC1170352MSD1									•	Sc	urce:	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		

Enthalpy

Matrix: Solid	Analyzed:	08/29/2	2016	Instru	ument: A	AICP (group))					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1170352MS1, QC1170352MSD1	* *									Sc	ource:	381851-003
Molybdenum	0.72	100	100	94.5	95.3	mg/Kg	94	95	8.0	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	ma/Ka	105	96	6.3	75-125	20	

Method: EPA 6010B

Analyst: dswafford

QCBatchID: QC1170352

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

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

Lab Con	Lab Control Spike/ Lab Control Spike Duplicate Summary												
	Spike Amount Spike Result Recoveries L									ts			
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes		
QC1170353LCS1				•		,	,		•	•			
Arsenic	100		109		mg/Kg	109			80-120				

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample Spike Amount Spike Result						Recoveries			Limit	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1170353MS1, QC1170353MSD1	IS1, QC1170353MSD1 Source: 381858-018										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.

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

	Chain of Custody I		round Time (Rush by	advanced notice only)
	Lab No: SOUNDS	Standard:	4 Day:	3 Day:
	Page:	١.	1 Day:	Same Day:
	Matrix: A = Air		a.	3 <u>- UCl</u> 3 -
nalytical,	PP = Pure Product	blid SeaW = Sea Water	$4 = H_2SO_4 = 5$	5 = NaOH 6 = Other
	Vater	WP = Wipe O = Other		
PR	OJECT INFORMATION	Analysis Requ		Test Instructions / Comments
Name:		8		
Number:		<i>j 6</i> :		
P.O. #:		60		
115 Address:	SANTA FE	1		
8	THERESIAN RO.	EP		
Global ID:				
Sampled By:	DENNIS KILLES	V 1c		
Sampling Samplin Date Time	Matrix No. / Size	<i>a</i> -		
8/25/16 8:20	5 802 644 6/1			
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8:40		<u> </u>		entitle for
8:48		<u>X</u>		
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8:55		ス	3	The second secon
20.5		X		
		<u>X</u>		
		ス _		· Marie II
A 9:20	V	X		
nature	Print Name	Company /	Title	Date / Time
	DENNIS & KILIAN	OF/ Poj. (8 7 8	20/16 10:15
	Som &	- Endmaly+	8	26 1:30
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all comments.	T Co.			AAATTI, AAAATTI, AAAA
	in a comment of the c	The Control of		
	Vtical Vtical Vtical Sampled By: Sampled	Chain of Custod Lab No: ENTHALPY an a lytical, inc. PROJECT INFORMATION Name: PROJECT INFORMATION Sampling Matrix No. / Size Print Name Print Name Print Name Print Name Print Name Print Name	Lab No: 36 US S Stand Lab No: 36 US S Stand Page: 1 of 7 2 Day Martix: A = Air DW = Dinking Water FL = Food Cliquid FS = Food Solid L = Liquid PP = Product S = Solid Seaw = Sea Wate SW = Swab W = Water WP = Wipe O = Othe PO. #: P.O. #: P.O. #: P.O. #: Sampled By: DENNUS ELLIAN SAMP Pres. \$ 3.0	Chain of Custody Record Turn Around Time (Rush i ADay: Page: Of

1 Park Plaza, Suite 1000, Irvine, CA 92614 c/o Montrose Environmental Group Billing: Enthalpy - SoCa Email: Company: Fax: Phone: Address: Report To: 10 4 w 2 Received By: 9 ∞ 7 σ G Relinquished By: Relinquished By: Received By: Relinquished By: Received By: Phone: (714) 771-6900 Fax: (714)771-9933 j 3 73 3 **ENTHALPHY ANALYTICAL, INC.** 3.000 7 -----29:---806 N. Batavia St., Orange, CA 92868 رچ 0 Œ, T Č **CUSTOMER INFORMATION** 6 T 0 2557.32 GREGOTT INC. NOT 6 1000 CD 1000 CD HAI WONLES GO Sample ID オーナンで、よる ence reprim ĸ かりのと Signature そうこ Sampling 2/2/2 P.O.#: Name: Global ID: Address: Sampled By: Number: Sampling (S) al, inc らてつ 020 50:05 9:50 アルラ 0.65 Time 0 3 j. iv 2-74 PROJECT INFORMATION S. R. P. O. 1 をおいまれ ころうち であった 0 3 3 m Page: Lab No: Matrix SW = Swab W = Water WP = Wipe O = Otherpp = Pure Product S = Solid SeaW = Sea Water **Print Name** FL = Food Liquid FS = Food Solid L = Liquid **Chain of Custody Record** かいできる Matrix: A = Air DW = Drinking Water Container No. / Size ででき 0 当るなる roser Pres. 약 5 ARSENK EPA 6010B アイナーのバイ 2 2 Day: Standard: Company / Title Analysis Request Turn Around Time (Rush by advanced notice only) 6. 4 (320kg):5J Preservatives: $1 = Na_2S_2O_3$ 4 Day: 1 Day: $4 = H_2SO_4$ 5 = NaOH 6 = Other Test Instructions / Comments CP 6 Date / Time 3 Day: $2 = HCl 3 = HNO_3$ Same Day: Ş

Phone: Address: Email: Report To: Company: 1 Park Plaza, Suite 1000, Irvine, CA 92614 c/o Montrose Environmental Group Billing: Enthalpy - SoCal Fax: 10 ဖ თ Received By: œ V Relinquished By: Relinquished By: Received By: Received By: Relinquished By: Phone: (714) 771-6900 Fax: (714)771-9933 -j 7 7 ENTHALPHY ANALYTICAL, INC. 806 N. Batavia St., Orange, CA 92868 -N CUSTOMER INFORMATION 0 (0) 0 (e) GROSECE-INC. NET 5000 1220ncx 2566-346-00E THE MONTH BY STE IS 760-746- 453 csandia of short Sample ID • Signature 007<u>00</u> 0 Sampling Date P.O.#: Name: Sampled By: Global ID: Number: Address: 7,00 10.55 10:25 Sampling 05 50 Time PROJECT INFORMATION DOWNS ろえられ ٤ BUCKS CO. 2 18/8/2 ひのとろい Š なるえ Page: Lab No: Matrix SW = Swab W = Water WP = Wipe O = OtherPP = Pure Product S = Solid SeaW = Sea Water **Print Name** FL = Food Liquid FS = Food Solid L = Liquid **Chain of Custody Record** Matrix: A = Air DW = Drinking Water 807. Ches No. / Size Container STORFE こころ こっす LEAGUE 6 C) Pres. 앜 7 ETH GOIDB An STNIC a KZ. +11001X 2 Day: Company / Title **Analysis Request** Standard: Turn Around Time (Rush by advanced notice only) 62000151 Preservatives: $1 = Na_2S_2O_3$ 2 = HCl $3 = HNO_2$ 4 Day: 1 Day: $4 = H_2SO_4$ 5 = NaOH 6 = Other 218 Test Instructions / Comments Date / Time 6 3 Day: Same Day: Ų. 10.13



Designation of the National Conference of the Co

SAMPLE ACCEPTANCE CHECKLIST

Section 1			
Client: CTB Project: Bagley	Dio	Q	
Date Received: 09/21/1/0 Sampler's Signature Present	t: VĒ	No	
Sample(s) received in a cooler? (es) How many? No (skip section 2) Sai	mple Tem	р (°С):	
Sample Temp (°C) from each cooler: #1: 4.3 #2:#3:	_#4:	<u> </u>	
(Acceptance range is 0 to 6 °C or, for samples collected the same day as sample receipt, arrival an ice; For Microbiolog	y sample 0 to	10°C or, for	rsamples
collected the same day as sample receipt, arrival on ice)			
Shipping Information:			
Section 2	-		
Was the cooler packed with: 🔏 Ice Ice Packs Bubble Wrap	_Styrofoa	ım ,	
PaperNoneOther	41.0		
Cooler Temp (°C): #1: 0.8 #2: #3: :	_#4: <u> </u>		
Section 3	YĘS	NO	N/A
Was a COC received?	1 X		
Were IDs present?	$\perp X$		
Were sampling dates & times present?	15		
Was a signature present?	1×	ı	
Were tests clearly indicated?	1×		
Were custody seals present?	1X	ļ	
If Yes – were they intact?	X		
Were all samples sealed in plastic bags?	1-1/	1	
Did all samples arrive intact? If no, indicate below.	1-1/2		
Did all bottle labels agree with COC? (ID, dates and times)	+X_		
Were correct containers used for the tests required?	15	, ,	
Was a sufficient amount of sample sent for tests indicated?	X_		
Was there headspace in VOA vials?			X
Were the containers labeled with correct preservatives?			X
Was total residual chlorine measured (Fish Bioassay samples only)? *			
*If the answer is no, please inform Fish Bioassay department immediately.			
Section 4			
Explanations/Comments: Cooler Seal was also infact at	He A	eld.	
Section 5			
Was the Project Manager notified via email of discrepancies: Yes No MA			
Was the email sent to:		•	-
Project Manager's response:			
Trojece Manager a responser			
	r	•	
Completed By: Date: 820114	,		,

Enthalpy Analytical, a subsidiary of Montrose Environmental Group, Inc.

806 N. Batavia Street, Orange, CA 92868 • T. (714) 771–6900 • F. (714) 771–9933

www.enthalpy.com/socal

Sample Acceptance Checklist — Rev 2.1, 7/29/2016



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 Construction Testing & Engineering Inc.

Suite 115

Escondido, CA 92026

1441 Montiel Road

Attn: Greg Rzonca

Comments: Bagley

Client:

Address:

#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.

Sample #	Client Sample ID	Sample #	Client Sample ID	Sample #	Client Sample ID
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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Lab Request:

Report Date:

Client ID:

380064

14407

Date Received: 06/28/2016

08/03/2016

Sampled: 06/22/2016 08:30 Site:

Sample #: 380064-001 Sample Type: Client Sample #: B-1 @ 1.5'

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	d By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B					QCBatchl	D: QC1169491
Arsenic	5.83	1	1	ma/Ka	07/29/16	08/01/16	JN

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/22/2016 08:35

Client Sample #: B-1 @ 3' Sample #: 380064-002 Sample Type:

•								
Analyte		Result	DF	RDL	Units	Prepared	Analyzed	l By Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatchl	D: 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 NELAC	Prep Method:	EPA 7471A					QCBatchl	D: QC1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B NELAC	Prep Method:						QCBatchl	D:
See Attached			1					
Method: EPA 8081A NELAC	Prep Method:						QCBatchl	D:
See Attached			1					
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchl	D:
See Attached			1					

Sampled: 06/22/2016 08:45 Site:

Sample #: 380064-003 Client Sample #: B-1 @ 4.5' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatchID: C	C1168725
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 NELAC	Prep Method:	EPA 7471A					QCBatchID: C	C1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16 JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:	
See Attached			1					
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:	
See Attached			1					
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:	
See Attached			1					

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/22/2016 08:50 Site:

Sample #: 380064-004 Client Sample #: B-2 @ 1.5 Sample Type:

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

Sampled: 06/22/2016 09:00 Site:

Sample #: 380064-005 Client Sample #: B-2 @ 3' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatchII	D: Q(C1168725
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 NELAC	Prep Method:	EPA 7471A					QCBatchII	D: Q(C1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatchII	D:	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatchII	D:	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchII	D:	
See Attached			1						

Sampled: 06/22/2016 09:20 Sample #: 380064-006 Client Sample #: B-2 @ 4.5' Sample Type: **Analyte** Result DF **RDL Units Prepared** Analyzed By **Notes** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1168725 ND 3 06/30/16 Antimony 1 mg/Kg KLN 7.75 1 06/30/16 KLN **Arsenic** 1 mg/Kg **Barium** 182 1 1 mg/Kg 06/30/16 KLN 0.5 Beryllium ND 1 mg/Kg 06/30/16 KLN ND 1 Cadmium 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 06/30/16 KLN mg/Kg Molybdenum ND 1 1 06/30/16 KLN mg/Kg Nickel 5.82 1 1.5 mg/Kg 06/30/16 KLN Selenium ND 06/30/16 KLN 1 1 mg/Kg 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 mg/Kg Zinc 40.4 1 5 06/30/16 KLN Method: EPA 7471A NELAC Prep Method: EPA 7471A QCBatchID: QC1168732 Mercury ND 0.14 06/30/16 07/01/16 JΡ 1 mg/Kg Method: EPA 8015B NELAC QCBatchID: Prep Method: See Attached 1 Method: EPA 8081A NELAC Prep Method: QCBatchID: See Attached 1 Method: EPA 8270C NELAC Prep Method: Method QCBatchID: See Attached 1 Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client Sampled: 06/22/2016 09:30 Site: Sample #: 380064-007 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 Sample #: 380064-008 Client Sample #: B-3 @ 1.5' Sample Type: DF **RDL** Analyzed By **Notes Analyte** Result Units **Prepared** Method: Prep Method: QCBatchID: N/A N/A 1 Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client Sampled: 06/22/2016 10:00 Sample #: 380064-009 Client Sample #: B-3 @ 3' Sample Type: **Analyte** Result DF **RDL Units** Analyzed By **Prepared Notes** Prep Method: QCBatchID: Method: N/A N/A 1

Client: Construction Testing & Engineering Inc.

Collector: client

Matrix: Solid

Matrix:	Solid 06/22/2016 10:10	Client: Site:	Constructio	n Testing & Engine	eering Ind	c. Colle	ector: client		
•	<u>380064-010</u>	Client Sample #:	B-3 @ 4.5'			Sample	Туре:		
Analyte			Result	DF F	RDL	Units	Prepared	Analyzed By	Notes
Method:		Prep Method:						QCBatchID:	
N/A			N/A	1					
Matrix: Sampled:	Solid 06/22/2016 10:15	Client: Site:	Constructio	n Testing & Engine	eering Ind	c. Colle	ector: client		
Sample #:	<u>380064-011</u>	Client Sample #:	B-3 @ 6'			Sample	Type:		
Analyte			Result	DF F	RDL	Units	Prepared	Analyzed By	Notes
Method:		Prep Method:						QCBatchID:	
N/A			N/A	1					
Matrix:		Client:	Constructio	n Testing & Engine	eering Ind	c. Coll	ector: client		
	06/22/2016 10:25	Site:							
Sample #:	380064-012	Client Sample #:	B-4 @ 1.5'			Sample	Type:		
Analyte			Result	DF F	RDL	Units	Prepared	Analyzed By	Notes
Method: N/A		Prep Method:	N/A	1				QCBatchID:	
IWA			IN/A	1					
Matrix:	Solid	Client:	Constructio	n Testing & Engine	eering Ind	c. Coll	ector: client		
	06/22/2016 10:35	Site:							
Sample #:	380064-013	Client Sample #:	B-4 @ 3.0'			Sample	Type:		
Analyte			Result	DF I	RDL	Units	Prepared	Analyzed By	Notes
Method:		Prep Method:						QCBatchID:	
N/A			N/A	1					
Matrix:	Solid	Client:	Constructio	n Testing & Engine	eering Inc	c. Coll	ector: client		
Sampled:	06/22/2016 10:43	Site:							
Sample #:	380064-014	Client Sample #:	B-4 @ 4.5'			Sample	Type:		
Analyte			Result	DF I	RDL	Units	Prepared	Analyzed By	Notes
		Prep Method:	Result	DF I	RDL	Units	Prepared	Analyzed By QCBatchID:	Notes
			Result N/A	DF 1	RDL	Units	Prepared		Notes
Method:	Solid	Prep Method:	N/A				Prepared ector: client		Notes
Method: N/A Matrix:	Solid 06/22/2016 10:50	Prep Method:	N/A	1			•		Notes
Method: N/A Matrix: Sampled:		Prep Method: Client:	N/A Constructio	1			ector: client		Notes
Method: N/A Matrix: Sampled: Sample #: Analyte	06/22/2016 10:50	Client: Site: Client Sample #:	N/A Constructio	1 n Testing & Engine	eering Ind	c. Colle	ector: client	QCBatchID: Analyzed By	
Method: N/A Matrix: Sampled: Sample #: Analyte Method:	06/22/2016 10:50	Client: Site: Client Sample #:	N/A Constructio B-4 @ 6.0' Result	1 n Testing & Engine	eering Ind	C. Colle	ector: client	QCBatchID:	
Method: N/A Matrix: Sampled: Sample #: Analyte	06/22/2016 10:50	Client: Site: Client Sample #:	N/A Constructio	1 n Testing & Engine	eering Ind	C. Colle	ector: client	QCBatchID: Analyzed By	
Method: N/A Matrix: Sampled: Sample #: Analyte Method:	06/22/2016 10:50 380064-015	Client: Site: Client Sample #: Prep Method:	N/A Constructio B-4 @ 6.0' Result	1 n Testing & Engine	eering Ind	Sample Units	ector: client	QCBatchID: Analyzed By	
Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled:	06/22/2016 10:50 380064-015 Solid 06/22/2016 10:55	Client: Site: Client Sample #: Prep Method:	N/A Constructio B-4 @ 6.0' Result N/A Constructio	1 n Testing & Engine DF	eering Ind	Sample Units	ector: client Type: Prepared	QCBatchID: Analyzed By	
Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled:	06/22/2016 10:50 380064-015 Solid	Client: Site: Client Sample #: Prep Method: Client:	N/A Constructio B-4 @ 6.0' Result N/A Constructio	1 n Testing & Engine DF	eering Ind	Sample Units	ector: client Type: Prepared ector: client	QCBatchID: Analyzed By	
Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled: Sample #: Analyte	06/22/2016 10:50 380064-015 Solid 06/22/2016 10:55	Client: Site: Client Sample #: Prep Method: Client: Site: Client Sample #:	N/A Constructio B-4 @ 6.0' Result N/A Constructio	1 n Testing & Engine DF 1 n Testing & Engine	RDL	Sample Units Colle	ector: client Type: Prepared ector: client	Analyzed By QCBatchID: Analyzed By	
Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled: Sample #: Analyte Method:	06/22/2016 10:50 380064-015 Solid 06/22/2016 10:55	Client: Site: Client Sample #: Prep Method: Client: Site: Client Sample #:	N/A Constructio B-4 @ 6.0' Result N/A Constructio B-4 @ 7.5' Result	1 n Testing & Engine DF 1 n Testing & Engine	RDL	Sample Units C. Colle	ector: client Type: Prepared ector: client Type:	QCBatchID: Analyzed By QCBatchID:	Notes
Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled: Sample #: Analyte	06/22/2016 10:50 380064-015 Solid 06/22/2016 10:55	Client: Site: Client Sample #: Prep Method: Client: Site: Client Sample #:	N/A Constructio B-4 @ 6.0' Result N/A Constructio B-4 @ 7.5'	1 n Testing & Engine DF 1 n Testing & Engine	RDL	Sample Units C. Colle	ector: client Type: Prepared ector: client Type:	Analyzed By QCBatchID: Analyzed By	Notes
Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled: Sample #: Analyte Method:	06/22/2016 10:50 380064-015 Solid 06/22/2016 10:55 380064-016	Client: Site: Client Sample #: Prep Method: Client: Site: Client Sample #: Prep Method:	N/A Constructio B-4 @ 6.0' Result N/A Constructio B-4 @ 7.5' Result N/A	1 n Testing & Engine DF 1 n Testing & Engine	RDL eering Inc	Sample Units Colle Sample Units	ector: client Type: Prepared ector: client Type:	Analyzed By QCBatchID: Analyzed By	Notes
Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Matrix: Matrix: Matrix: Matrix:	06/22/2016 10:50 380064-015 Solid 06/22/2016 10:55 380064-016	Client: Site: Client Sample #: Prep Method: Client: Site: Client Sample #: Prep Method:	N/A Constructio B-4 @ 6.0' Result N/A Constructio B-4 @ 7.5' Result N/A	1 n Testing & Engine DF 1 n Testing & Engine DF 1	RDL eering Inc	Sample Units Colle Sample Units	ector: client Type: Prepared ector: client Type: Prepared	Analyzed By QCBatchID: Analyzed By	Notes
Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled: Sample #:	Solid 06/22/2016 10:50 380064-015 Solid 06/22/2016 10:55 380064-016	Client: Site: Client Sample #: Prep Method: Client: Site: Client Sample #: Prep Method: Client: Client: Client: Client:	N/A Constructio B-4 @ 6.0' Result N/A Constructio B-4 @ 7.5' Result N/A Constructio	1 n Testing & Engine DF 1 n Testing & Engine DF 1	RDL eering Inc	Sample Units Colle Sample Units	ector: client Type: Prepared ector: client Type: Prepared ector: client	Analyzed By QCBatchID: Analyzed By	Notes
Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled: Sample #:	Solid 06/22/2016 10:50 380064-015 Solid 06/22/2016 10:55 380064-016 Solid 06/22/2016 11:20	Client: Site: Client Sample #: Prep Method: Client: Site: Client Sample #: Prep Method:	N/A Constructio B-4 @ 6.0' Result N/A Constructio B-4 @ 7.5' Result N/A Constructio	1 n Testing & Engine DF 1 n Testing & Engine DF 1 n Testing & Engine	RDL eering Inc	Sample Units Sample Units Colle	ector: client Type: Prepared ector: client Type: Prepared ector: client	Analyzed By QCBatchID: Analyzed By QCBatchID: Analyzed By Analyzed By	Notes
Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled: Sample #: Analyte Method: N/A Matrix: Sampled: Sample #: Sample #: Analyte	Solid 06/22/2016 10:50 380064-015 Solid 06/22/2016 10:55 380064-016 Solid 06/22/2016 11:20	Client: Site: Client Sample #: Prep Method: Client: Site: Client Sample #: Prep Method:	N/A Constructio B-4 @ 6.0' Result N/A Constructio B-4 @ 7.5' Result N/A Constructio B-5 @ 1.5'	1 n Testing & Engine DF 1 n Testing & Engine DF 1 n Testing & Engine	RDL eering Inc	Sample Units Sample Units Sample Units	ector: client Type: Prepared ector: client Type: Prepared ector: client Type:	Analyzed By QCBatchID: Analyzed By QCBatchID:	Notes

Sampled: 06/22/2016 11:25

Sample #: 380064-018 Client Sample #: B-5 @ 3.0' Sample Type:

Analyte Result DF **RDL** Units **Prepared** Analyzed By Notes Prep Method: Method: QCBatchID:

N/A N/A 1

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/22/2016 11:30

Sample #: 380064-019 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 #: 380064-020 Client Sample #: B-5 @ 6' Sample Type:

Analyte Result DF **RDL** Units **Prepared** Analyzed By Notes Prep Method: QCBatchID: Method:

N/A N/A 1

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/22/2016 12:00 Site:

Sample #: 380064-021 Client Sample #: B-6 @ 1.5' Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC Prep Met	hod: 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 NELAC Prep Met	hod: EPA 7471A					QCBatchID: QC1168732
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16 JP
Method: EPA 8015B NELAC Prep Met	hod:					QCBatchID:
See Attached		1				
Method: EPA 8081A NELAC Prep Met	hod:					QCBatchID:
See Attached		1				
Method: EPA 8270C NELAC Prep Met	hod: Method					QCBatchID:
See Attached		1				

Sample #: 380064-022 Client Sample #: B-6 @ 3.0' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatchID	D: QC	1168725
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 NELAC	Prep Method:	EPA 7471A					QCBatchIE	D: QC	1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatchIE):	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatchID	D:	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID	D:	
See Attached			1						

Sampled: 06/22/2016 12:17 Site:

Sample #: 380064-023 Client Sample #: B-6 @ 4.5' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	d By Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatch	ID: 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 NELAC	Prep Method:	EPA 7471A					QCBatch	ID: QC1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B NELAC	Prep Method:						QCBatch	ID:
See Attached			1					
Method: EPA 8081A NELAC	Prep Method:						QCBatch	ID:
See Attached			1					
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatch	ID:
See Attached			1					

Sampled: 06/22/2016 13:20 Sample #: 380064-024 Client Sample #: B-7 @ 1.5' Sample Type: **Analyte** Result DF **RDL Units Prepared** Analyzed By **Notes** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1168725 ND 3 06/30/16 Antimony 1 mg/Kg KLN 4.10 1 06/30/16 KLN **Arsenic** 1 mg/Kg **Barium** 356 1 1 mg/Kg 06/30/16 KLN 0.5 Beryllium ND 1 mg/Kg 06/30/16 KLN 1 ND Cadmium 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 06/30/16 KLN mg/Kg Molybdenum ND 1 1 06/30/16 KLN mg/Kg Nickel 6.45 1 1.5 mg/Kg 06/30/16 KLN Selenium ND mg/Kg 06/30/16 KLN 1 1 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 NELAC Prep Method: EPA 7471A QCBatchID: QC1168732 Mercury ND 0.14 06/30/16 07/01/16 JΡ 1 mg/Kg Method: EPA 8015B NELAC QCBatchID: Prep Method: See Attached 1 Method: EPA 8081A NELAC Prep Method: QCBatchID: See Attached 1 Method: EPA 8270C NELAC Prep Method: Method QCBatchID: See Attached 1 Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client Sampled: 06/22/2016 13:30 Site: Sample #: 380064-025 Client Sample #: B-7 @ 3.0' Sample Type: Analyzed By Analyte Result DF **RDL** Units Prepared Notes Method: EPA 6010B NELAC QC1169491 Prep Method: EPA 3050B QCBatchID: Arsenic 8.14 1 mg/Kg 07/29/16 08/01/16 JN. 1 Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client Sampled: 06/22/2016 13:45 Sample #: 380064-026 Client Sample #: B-8 @ 1.5' Sample Type: DF **RDL** Analyzed By **Notes Analyte** Result Units **Prepared** Method: Prep Method: QCBatchID: N/A N/A 1 Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client Sampled: 06/22/2016 13:48 Sample #: 380064-027 Client Sample #: B-8 @ 3.0' Sample Type: **Analyte** Result DF **RDL Units** Analyzed By **Notes Prepared** Prep Method: QCBatchID: Method: N/A N/A 1

Client: Construction Testing & Engineering Inc.

Collector: client

Matrix: Solid

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 NELAC	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 NELAC	Prep Method:	EPA 7471A					QCBatchID: QC1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16 JP
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:
See Attached			1				

Sample #: 380064-029 Client Sample #: B-9 @ 3.0 Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatchI): QC	1168725
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 NELAC	Prep Method:	EPA 7471A					QCBatchI	D: QC	1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatchI):	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatchI): 	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchI):	
See Attached			1						

Sampled: 06/22/2016 14:34 Site:

Sample #: 380064-030 Client Sample #: B-9 @ 4.5 Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B				-		C1168725
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 NELAC	Prep Method:	EPA 7471A					QCBatchID: Q	C1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16 JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:	
See Attached			1					
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:	
See Attached			1					
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:	
See Attached			1					

Sampled: 06/22/2016 14:40 Site:

Sample #: 380064-031 Client Sample #: B-9 @ 6' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatchI	D: QC	1168725
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 NELAC	Prep Method:	EPA 7471A					QCBatchI	D: QC	1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatchI):	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatchI	D:	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchI	D:	
See Attached			1						

Sampled: 06/22/2016 14:45

Sample #: 380064-032 Client Sample #: B-9 @ 7.5' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	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 NELAC	Prep Method:	EPA 7471A					QCBatchID: QC1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16 JP
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:
See Attached			1				

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/22/2016 14:50 Site:

Sample #: 380064-033 Client Sample #: B-9 @ 9.0' Sample Type:

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

Sampled: 06/22/2016 14:57 Sample #: 380064-034 Client Sample #: B-9 @ 10.5' Sample Type: **Analyte** Result DF **RDL Units Prepared** Analyzed By **Notes** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1168725 ND 3 06/30/16 Antimony 1 mg/Kg KLN 4.04 1 06/30/16 KLN **Arsenic** 1 mg/Kg **Barium** 192 1 1 mg/Kg 06/30/16 KLN 0.5 Beryllium ND 1 mg/Kg 06/30/16 KLN ND 1 Cadmium 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 126 1 1 mg/Kg 06/30/16 KLN Lead 5.00 1 0.5 06/30/16 KLN mg/Kg Molybdenum ND 1 1 06/30/16 KLN mg/Kg Nickel 9.66 1 1.5 mg/Kg 06/30/16 KLN Selenium ND mg/Kg 06/30/16 KLN 1 1 Silver ND 1 0.5 06/30/16 mg/Kg KLN Thallium ND 1 1 mg/Kg 06/30/16 KLN Vanadium 55.8 1 0.5 mg/Kg 06/30/16 KLN mg/Kg Zinc 49.0 1 5 06/30/16 KLN Method: EPA 7471A NELAC Prep Method: EPA 7471A QCBatchID: QC1168732 Mercury ND 0.14 06/30/16 07/01/16 JΡ 1 mg/Kg Method: EPA 8015B NELAC QCBatchID: Prep Method: See Attached 1 Method: EPA 8081A NELAC Prep Method: QCBatchID: See Attached 1 Method: EPA 8270C NELAC Prep Method: Method QCBatchID: See Attached 1 Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client Sampled: 06/22/2016 15:07 Site: Sample #: 380064-035 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 Sample #: 380064-036 Client Sample #: B-10 @ 1.5' Sample Type: DF **RDL** Analyzed By **Notes Analyte** Result Units **Prepared** Method: Prep Method: QCBatchID: N/A N/A 1 Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client Sampled: 06/22/2016 15:27 Sample #: 380064-037 Client Sample #: B-10 @ 36 Sample Type: **Analyte** Result DF **RDL Units** Analyzed By **Prepared Notes** Prep Method: QCBatchID: Method: N/A N/A 1

Client: Construction Testing & Engineering Inc.

Collector: client

Matrix: Solid

Sampled: 06/22/2016 15:35 Site:

Sample #: 380064-038 Client Sample #: B-11 @ 1.5' Sample Type:

DF Analyzed By Notes **Analyte** Result **RDL** Units **Prepared** Method: Prep Method: QCBatchID:

N/A N/A 1

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/22/2016 15:45

Sample #: 380064-039 Client Sample #: B-11 @ 3' Sample Type:

					2 4111	31.	
Analyte		Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	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 NELAC	Prep Method:	EPA 7471A					QCBatchID: QC1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16 JP
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:
See Attached			1				

Sampled: 06/22/2016 16:03

Sample #: 380064-040 Client Sample #: B-12 @ 1.5' Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC Prep Method	thod: 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 NELAC Prep Method	thod: EPA 7471A					QCBatchID: QC1168732
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16 JP
Method: EPA 8015B NELAC Prep Method	thod:					QCBatchID:
See Attached		1				<u> </u>
Method: EPA 8081A NELAC Prep Me	thod:					QCBatchID:
See Attached		1				
Method: EPA 8270C NELAC Prep Me	thod: Method					QCBatchID:
See Attached		1				

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/22/2016 16:08 Site:

Sample #: 380064-041 Client Sample #: B-12 @ 3' Sample Type:

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

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 NELAC	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 NELAC	Prep Method:	EPA 7471A					QCBatchID: QC1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16 JP
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:
See Attached			1				

Sampled: 06/23/2016 08:50

Sample #: 380064-043 Client Sample #: B-13 @ 3' Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC Prep Met	hod: 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 NELAC Prep Met	hod: EPA 7471A					QCBatchID: QC1168732
Mercury	ND	1	0.14	mg/Kg	06/30/16	07/01/16 JP
Method: EPA 8015B NELAC Prep Met	:hod:					QCBatchID:
See Attached		1				
Method: EPA 8081A NELAC Prep Met	:hod:					QCBatchID:
See Attached		1				
Method: EPA 8270C NELAC Prep Met	hod: Method					QCBatchID:
See Attached		1				

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/23/2016 08:55 Site:

Sample #: 380064-044 Client Sample #: B-13 @ 4.5' Sample Type:

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

Sampled: 06/23/2016 09:00 Sample #: 380064-045 Client Sample #: B-13 @ 6' Sample Type: **Analyte** Result DF **RDL Units Prepared** Analyzed By **Notes** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1168725 ND 3 06/30/16 Antimony 1 mg/Kg KLN 21.2 1 06/30/16 KLN **Arsenic** 1 mg/Kg **Barium** 260 1 1 mg/Kg 06/30/16 KLN 0.5 Beryllium ND 1 mg/Kg 06/30/16 KLN 1 ND Cadmium 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 06/30/16 KLN mg/Kg Molybdenum ND 1 1 06/30/16 KLN mg/Kg Nickel 6.32 1 1.5 mg/Kg 06/30/16 KLN Selenium ND mg/Kg 06/30/16 KLN 1 1 Silver ND 1 0.5 06/30/16 mg/Kg KLN Thallium ND 1 1 mg/Kg 06/30/16 KLN Vanadium 47.2 1 0.5 mg/Kg 06/30/16 KLN mg/Kg Zinc 47.4 1 5 06/30/16 KLN Method: EPA 7471A NELAC Prep Method: EPA 7471A QCBatchID: QC1168732 Mercury ND 0.14 06/30/16 07/01/16 JΡ 1 mg/Kg Method: EPA 8015B NELAC QCBatchID: Prep Method: See Attached 1 Method: EPA 8081A NELAC Prep Method: QCBatchID: See Attached 1 Method: EPA 8270C NELAC Prep Method: Method QCBatchID: See Attached 1 Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client Sampled: 06/23/2016 09:05 Site: Sample #: 380064-046 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 Sample #: 380064-047 Client Sample #: B-13 @ 9' Sample Type: DF **RDL** Analyzed By **Notes Analyte** Result Units **Prepared** Method: Prep Method: QCBatchID: N/A N/A 1 Client: Construction Testing & Engineering Inc. Matrix: Solid Collector: client Sampled: 06/23/2016 09:23 Sample #: 380064-048 Client Sample #: B-14 @ 1.5' Sample Type: **Analyte** Result DF **RDL Units** Analyzed By **Notes Prepared** Prep Method: QCBatchID: Method: N/A N/A 1

Client: Construction Testing & Engineering Inc.

Collector: client

Matrix: Solid

Sampled: 06/23/2016 09:26 Site:

Sample #: 380064-049 Client Sample #: B-14 @ 3' Sample Type:

AnalyteResultDFRDLUnitsPreparedAnalyzed ByNotesMethod: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 #: 380064-050 Client Sample #: B-14 @ 4.5 Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	By Notes
Method: EPA 6010B NELAC	Prep Method: EF	PA 3050B					QCBatchI): 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 NELAC	Prep Method: EF	PA 7471A					QCBatchIE): QC1168732
Mercury		ND	1	0.14	mg/Kg	06/30/16	07/01/16	JP
Method: EPA 8015B NELAC	Prep Method:						QCBatchI):
See Attached			1					
Method: EPA 8081A NELAC	Prep Method:						QCBatchI):
See Attached			1					
Method: EPA 8270C NELAC	Prep Method: Me	ethod					QCBatchI):
See Attached			1					

Sampled: 06/23/2016 09:47

Sample #: 380064-051 Client Sample #: B-15 @ 1.5' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC P	rep Method: EPA	A 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 NELAC P	rep Method: EPA	4 7471A					QCBatchID: QC1168779
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH
Method: EPA 8015B NELAC P	rep Method:						QCBatchID:
See Attached			1				<u> </u>
Method: EPA 8081A NELAC P	rep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC P	rep Method: Met	hod					QCBatchID:
See Attached			1				

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/23/2016 09:50 Site:

Sample #: 380064-052 Client Sample #: B-15 @ 3' Sample Type:

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

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 NELAC	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 NELAC	Prep Method:	EPA 7471A					QCBatchID: QC1168734
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16 JP
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:
See Attached			1				

Sampled: 06/23/2016 10:00 Site:

Sample #: 380064-054 Client Sample #: B-15 @ 6' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	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 NELAC	Prep Method:	EPA 7471A					QCBatchID: QC1168734
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16 JP
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:
See Attached			1				

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 NELAC	Prep Method: EF	PA 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 NELAC	Prep Method: EF	PA 7471A					QCBatchID: QC1168779
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC	Prep Method: Me	ethod					QCBatchID:
See Attached			1				

Sampled: 06/23/2016 10:40

Sample #: 380064-056 Client Sample #: B-17 @ 1.5' Sample Type:

Method: EPA 6010B NELAC Prep Method: EPA 3050B Antimony ND 1 3 mg/Kg 06/30/16 Arsenic 6.92 1 1 mg/Kg 06/30/16 Barium 267 1 1 mg/Kg 06/30/16 Beryllium ND 1 0.5 mg/Kg 06/30/16 Cadmium ND 1 0.5 mg/Kg 06/30/16 Chromium 25.8 1 1 mg/Kg 06/30/16 Cobalt 10.2 1 0.5 mg/Kg 06/30/16 Copper 12.4 1 1 mg/Kg 06/30/16	QCBatchID: QC1168720 06/30/16 JN 06/30/16 JN
Arsenic 6.92 1 1 mg/Kg 06/30/16 Barium 267 1 1 mg/Kg 06/30/16 Beryllium ND 1 0.5 mg/Kg 06/30/16 Cadmium ND 1 0.5 mg/Kg 06/30/16 Chromium 25.8 1 1 mg/Kg 06/30/16 Cobalt 10.2 1 0.5 mg/Kg 06/30/16	06/30/16 JN 06/30/16 JN 06/30/16 JN 06/30/16 JN 06/30/16 JN B 06/30/16 JN
Barium 267 1 1 mg/Kg 06/30/16 Beryllium ND 1 0.5 mg/Kg 06/30/16 Cadmium ND 1 0.5 mg/Kg 06/30/16 Chromium 25.8 1 1 mg/Kg 06/30/16 Cobalt 10.2 1 0.5 mg/Kg 06/30/16	06/30/16 JN 06/30/16 JN 06/30/16 JN 06/30/16 JN B 06/30/16 JN
Beryllium ND 1 0.5 mg/Kg 06/30/16 Cadmium ND 1 0.5 mg/Kg 06/30/16 Chromium 25.8 1 1 mg/Kg 06/30/16 Cobalt 10.2 1 0.5 mg/Kg 06/30/16	06/30/16 JN 06/30/16 JN 06/30/16 JN B 06/30/16 JN
Cadmium ND 1 0.5 mg/Kg 06/30/16 Chromium 25.8 1 1 mg/Kg 06/30/16 Cobalt 10.2 1 0.5 mg/Kg 06/30/16	06/30/16 JN 06/30/16 JN B 06/30/16 JN
Chromium 25.8 1 1 mg/Kg 06/30/16 Cobalt 10.2 1 0.5 mg/Kg 06/30/16	06/30/16 JN B 06/30/16 JN
Cobalt 10.2 1 0.5 mg/Kg 06/30/16	06/30/16 JN
3 3	
Conner 12.4 1 1 mg/Kg 06/30/16	06/30/16 JN
Copper 12.4 1 1 11g/kg 00/30/10	
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 NELAC Prep Method: EPA 7471A	QCBatchID: QC1168734
Mercury ND 1 0.14 mg/Kg 07/01/16	07/01/16 JP
Method: EPA 8015B NELAC Prep Method:	QCBatchID:
See Attached 1	
Method: EPA 8081A NELAC Prep Method:	QCBatchID:
See Attached 1	
Method: EPA 8270C NELAC Prep Method: Method	QCBatchID:
See Attached 1	

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/23/2016 10:45 Site:

Sample #: 380064-057 Client Sample #: B-17 @ 3.0' Sample Type:

Sampled: 06/23/2016 10:50 Site

Sample #: 380064-058 Client Sample #: B-17 @ 4.5' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatch	D: Q	C1168720
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	В
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 NELAC	Prep Method:	EPA 7471A					QCBatch	D: Q	C1168734
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatch	ID:	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatch	ID:	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatch	ID:	
See Attached			1						

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/23/2016 10:55 Site:

Sample #: 380064-059 Client Sample #: B-17 @ 6' Sample Type:

AnalyteResultDFRDLUnitsPreparedAnalyzed ByNotesMethod:Prep Method:QCBatchID:N/AN/A1

Sample #: 380064-060 Client Sample #: B-17 @ 7.5' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatch	ID: Q	C1168720
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	В
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 NELAC	Prep Method:	EPA 7471A					QCBatch	ID: Q	C1168734
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatch	ID:	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatch	ID:	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatch	ID:	
See Attached			1						

Sampled: 06/23/2016 11:05 Site:

Sample #: 380064-061 Client Sample #: B-17 @ 9' Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	l By	Notes
Method: EPA 6010B NELAC Prep Method	: EPA 3050B					QCBatchl	D: Q	C1168720
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	В
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 NELAC Prep Method	: EPA 7471A					QCBatchl	D: Q	C1168734
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP	
Method: EPA 8015B NELAC Prep Method	:					QCBatchl	D:	
See Attached		1						
Method: EPA 8081A NELAC Prep Method	:					QCBatchl	D:	
See Attached		1						
Method: EPA 8270C NELAC Prep Method	: Method					QCBatchl	D:	
See Attached		1						

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/23/2016 11:20 Site:

Sample #: 380064-062 Client Sample #: B-18 @ 1.5' Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyze	d By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B					QCBatch	ID: QC1169491
Arsenic	10.3	1	1	mg/Kg	07/29/16	08/01/16	JN

Sample #: 380064-063 Client Sample #: B-18 @ 3' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyze	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatch	ID: Q	C1168720
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	В
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 NELAC	Prep Method:	EPA 7471A					QCBatch	ID: Q	C1168734
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatch	ID:	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatch	ID:	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatch	ID:	
See Attached			1						

Sampled: 06/23/2016 11:30

Sample #: 380064-064 Client Sample #: B-18 @ 4.5' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatch	ID: Q	C1168720
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	В
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 NELAC	Prep Method:	EPA 7471A					QCBatch	ID: Q	C1168734
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatch	ID:	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatch	ID:	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatch	ID:	
See Attached			1						

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/23/2016 11:35 Site:

Sample #: 380064-065 Client Sample #: B-18 @ 6' Sample Type:

Sample #: 380064-066 Client Sample #: B-18 @ 7.5' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatchI): Q	C1168720
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	В
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 NELAC	Prep Method:	EPA 7471A					QCBatchI): Q	C1168734
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16	JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatchI):	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatchI):	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchI):	
See Attached			1						

Sampled: 06/23/2016 11:45 Site:

Sample #: 380064-067 Client Sample #: B-18 @ 9' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B				-	QCBatchII		C1168720
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	В
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 NELAC	Prep Method:	EPA 7471A					QCBatchII	D: Q	C1168734
Mercury		0.14	1	0.14	mg/Kg	07/01/16	07/01/16	JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatchII	D:	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatchII	D:	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchII	D:	
See Attached			1						

Sampled: 06/23/2016 12:05

Sample #: 380064-068 Client Sample #: B-19 @ 1.5' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatch	ID: Q	C1168720
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	В
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 NELAC	Prep Method:	EPA 7471A					QCBatch	ID: Q	C1168734
Mercury		0.14	1	0.14	mg/Kg	07/01/16	07/01/16	JP	
Method: EPA 8015B NELAC	Prep Method:						QCBatch	ID:	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatch	ID:	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatch	ID:	
See Attached			1						

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/23/2016 12:10 Site:

Sample #: 380064-069 Client Sample #: B-19 @ 3.0' Sample Type:

Sampled: 06/23/2016 12:15 Sample #: 380064-070 Client Sample #: B-19 @ 4.5' Sample Type: **Analyte** Result DF **RDL Units Prepared** Analyzed By **Notes** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1168720 ND 3 06/30/16 06/30/16 Antimony 1 mg/Kg JN 7.39 1 06/30/16 06/30/16 JN **Arsenic** 1 mg/Kg **Barium** 239 1 1 mg/Kg 06/30/16 06/30/16 JN 0.5 Beryllium ND 1 mg/Kg 06/30/16 06/30/16 JN ND 1 JN Cadmium 0.5 mg/Kg 06/30/16 06/30/16 Chromium 29.7 1 1 mg/Kg 06/30/16 06/30/16 JN В Cobalt 11.5 1 0.5 mg/Kg 06/30/16 06/30/16 JN mg/Kg Copper 14 1 1 1 06/30/16 06/30/16 JN Lead 3.95 1 0.5 06/30/16 06/30/16 JN mg/Kg Molybdenum ND 1 1 06/30/16 06/30/16 JN mg/Kg Nickel 9.65 1 1.5 mg/Kg 06/30/16 06/30/16 JN Selenium ND mg/Kg 06/30/16 06/30/16 JN 1 1 Silver ND 1 0.5 06/30/16 mg/Kg 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 NELAC Prep Method: EPA 7471A QCBatchID: QC1168734 Mercury ND 0.14 07/01/16 07/01/16 1 mg/Kg JΡ Method: EPA 8015B NELAC QCBatchID: Prep Method: See Attached 1 Method: EPA 8081A NELAC Prep Method: QCBatchID: See Attached 1 Method: EPA 8270C NELAC Prep Method: Method QCBatchID: See Attached 1 Collector: client Matrix: Solid Client: Construction Testing & Engineering Inc. Sampled: 06/23/2016 12:20 Site: Sample #: 380064-071 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 Sample #: 380064-072 Client Sample #: B-20 @ 1.5' Sample Type: DF **RDL** Analyzed By **Notes Analyte** Result Units **Prepared** Method: Prep Method: QCBatchID: N/A N/A 1 Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client Sampled: 06/23/2016 13:50 Client Sample #: B-20 @ 3.0' Sample #: 380064-073 Sample Type: **Analyte** DF **RDL** Analyzed By Result Units **Prepared Notes** Prep Method: Method: QCBatchID: N/A N/A 1

Client: Construction Testing & Engineering Inc.

Collector: client

Matrix: Solid

Sampled: 06/23/2016 13:55 Site:

Sample #: 380064-074 Sample Type: Client Sample #: B-20 @ 4.5'

Analyte	Result	DF	RDL	Units	Prepared	Analyze	d By	Notes
Method: EPA 6010B NELAC Prep Method	I: EPA 3050B					QCBatch	D: Q	C1168720
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	В
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 NELAC Prep Method	I: EPA 7471A					QCBatch	ID: Q	C1168734
Mercury	0.15	1	0.14	mg/Kg	07/01/16	07/01/16	JP	
Method: EPA 8015B NELAC Prep Method	l:					QCBatch	D:	
See Attached		1						
Method: EPA 8081A NELAC Prep Method	l:					QCBatch	ID:	
See Attached		1						
Method: EPA 8270C NELAC Prep Method	I: Method					QCBatch	ID:	
See Attached		1						

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/23/2016 14:38 Site:

Sample #: 380064-075 Client Sample #: B-21 @ 1.5' Sample Type:

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

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 NELAC	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 NELAC	Prep Method:	EPA 7471A					QCBatchID: QC1168779
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:
See Attached			1				

Sampled: 06/23/2016 14:50

Sample #: 380064-077 Client Sample #: B-21 @ 4.5' Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC 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 NELAC Prep Method:	EPA 7471A					QCBatchID: QC1168779
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH
Method: EPA 8015B NELAC Prep Method:						QCBatchID:
See Attached		1				
Method: EPA 8081A NELAC Prep Method:						QCBatchID:
See Attached		1				
Method: EPA 8270C NELAC Prep Method:	Method					QCBatchID:
See Attached		1				

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/23/2016 14:55 Site:

Sample #: 380064-078 Client Sample #: B-21 @ 6.0' Sample Type:

Sample #: 380064-079 Client Sample #: B-21 @ 7.5' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatchID: Q0	C1168726
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 NELAC	Prep Method:	EPA 7471A					QCBatchID: Q0	C1168779
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH	
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:	
See Attached			1					
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:	
See Attached			1					
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:	
See Attached			1					

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 NELAC Prep N	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 NELAC Prep N	Method: EPA 7471A					QCBatchID: QC1168779
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH
Method: EPA 8015B NELAC Prep N	Method:					QCBatchID:
See Attached		1				
Method: EPA 8081A NELAC Prep N	Method:					QCBatchID:
See Attached		1				
Method: EPA 8270C NELAC Prep N	Method: Method					QCBatchID:
See Attached		1				

Sampled: 06/23/2016 15:25

Sample #: 380064-081 Client Sample #: B-22 @ 3.0' Sample Type:

Method: EPA 6010B NELAC Prep Method: EPA 3050B Antimony ND 1 3 mg/Kg Arsenic 6.69 1 1 mg/Kg Barium 142 1 1 mg/Kg Beryllium ND 1 0.5 mg/Kg Cadmium ND 1 0.5 mg/Kg Chromium 17.1 1 1 mg/Kg Cobalt 8.01 1 0.5 mg/Kg Copper 8.69 1 1 mg/Kg Molybdenum ND 1 1 mg/Kg Nickel 6.47 1 1.5 mg/Kg	QCBatchID: QC1168726 06/30/16 KLN 06/30/16 KLN 06/30/16 KLN 06/30/16 KLN 06/30/16 KLN 06/30/16 KLN 06/30/16 KLN
Arsenic 6.69 1 1 mg/Kg Barium 142 1 1 mg/Kg Beryllium ND 1 0.5 mg/Kg Cadmium ND 1 0.5 mg/Kg Chromium 17.1 1 1 mg/Kg Cobalt 8.01 1 0.5 mg/Kg Copper 8.69 1 1 mg/Kg Lead 3.65 1 0.5 mg/Kg Molybdenum ND 1 1 mg/Kg	06/30/16 KLN 06/30/16 KLN 06/30/16 KLN 06/30/16 KLN 06/30/16 KLN
Barium 142 1 1 mg/Kg Beryllium ND 1 0.5 mg/Kg Cadmium ND 1 0.5 mg/Kg Chromium 17.1 1 1 mg/Kg Cobalt 8.01 1 0.5 mg/Kg Copper 8.69 1 1 mg/Kg Lead 3.65 1 0.5 mg/Kg Molybdenum ND 1 1 mg/Kg	06/30/16 KLN 06/30/16 KLN 06/30/16 KLN 06/30/16 KLN
Beryllium ND 1 0.5 mg/Kg Cadmium ND 1 0.5 mg/Kg Chromium 17.1 1 1 mg/Kg Cobalt 8.01 1 0.5 mg/Kg Copper 8.69 1 1 mg/Kg Lead 3.65 1 0.5 mg/Kg Molybdenum ND 1 1 mg/Kg	06/30/16 KLN 06/30/16 KLN 06/30/16 KLN
Cadmium ND 1 0.5 mg/Kg Chromium 17.1 1 1 mg/Kg Cobalt 8.01 1 0.5 mg/Kg Copper 8.69 1 1 mg/Kg Lead 3.65 1 0.5 mg/Kg Molybdenum ND 1 1 mg/Kg	06/30/16 KLN 06/30/16 KLN
Chromium 17.1 1 1 mg/Kg Cobalt 8.01 1 0.5 mg/Kg Copper 8.69 1 1 mg/Kg Lead 3.65 1 0.5 mg/Kg Molybdenum ND 1 1 mg/Kg	06/30/16 KLN
Cobalt 8.01 1 0.5 mg/Kg Copper 8.69 1 1 mg/Kg Lead 3.65 1 0.5 mg/Kg Molybdenum ND 1 1 mg/Kg	
Copper 8.69 1 1 mg/Kg Lead 3.65 1 0.5 mg/Kg Molybdenum ND 1 1 mg/Kg	06/30/16 KLN
Lead 3.65 1 0.5 mg/Kg Molybdenum ND 1 1 mg/Kg	OUTOUT INLIN
Molybdenum ND 1 1 mg/Kg	06/30/16 KLN
3 3	06/30/16 KLN
Nickel 6.47 1 1.5 mg/Kg	06/30/16 KLN
	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 NELAC Prep Method: EPA 7471A	QCBatchID: QC1168779
Mercury ND 1 0.14 mg/Kg 07/01/16	07/01/16 MH
Method: EPA 8015B NELAC Prep Method:	QCBatchID:
See Attached 1	
Method: EPA 8081A NELAC Prep Method:	QCBatchID:
See Attached 1	
Method: EPA 8270C NELAC Prep Method: Method	QCBatchID:
See Attached 1	

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/23/2016 15:30 Site:

Sample #: 380064-082 Client Sample #: B-22 @ 4.5' Sample Type:

Sampled: 06/23/2016 16:00 Site:

Sample #: 380064-083 Client Sample #: B-22 @ 6.0' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC P	rep 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 NELAC P	rep Method:	EPA 7471A					QCBatchID: QC1168779
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH
Method: EPA 8015B NELAC P	rep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC P	rep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC P	rep Method:	Method					QCBatchID:
See Attached			1				

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/23/2016 16:04 Site:

Sample #: 380064-084 Client Sample #: B-23 @ 1.5' Sample Type:

Analyte	Resu	lt DF	RDL	Units	Prepared	Analyze	d By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050)B				QCBatch	ID: QC1169491
Arsenic	5.63	1	1	mg/Kg	07/29/16	08/01/16	JN

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 NELAC 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 NELAC Prep	o Method: EPA 7471A					QCBatchID: QC1168779
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH
Method: EPA 8015B NELAC Prep	o Method:					QCBatchID:
See Attached		1				
Method: EPA 8081A NELAC Prep	p Method:					QCBatchID:
See Attached		1				
Method: EPA 8270C NELAC Prep	o Method: Method					QCBatchID:
See Attached		1				

Sampled: 06/23/2016 16:15 Site:

Sample #: 380064-086 Client Sample #: B-23 @ 4.5' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatchID: Q	C1168726
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 NELAC	Prep Method:	EPA 7471A					QCBatchID: Q	C1168779
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH	
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:	
See Attached			1					
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:	
See Attached			1					
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:	
See Attached			1					

Sampled: 06/23/2016 16:18

Sample #: 380064-087 Client Sample #: B-23 @ 6' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	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 NELAC	Prep Method:	EPA 7471A					QCBatchID: QC1168779
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:
See Attached			1				

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/23/2016 16:18 Site:

Sample #: 380064-088 Client Sample #: B-23 @ 7.5' Sample Type:

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

Sample #: 380064-089	Client Sample	e#: B-23@9	.0'		Samp	le Type:			
Analyte		Result	DF	RDL	Units	Prepared	Analyzed		
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatchl	ID: QC	C1168726
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 NELAC	Prep Method:	EPA 7471A					QCBatchl	ID: QC	C1168779
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16	МН	
Method: EPA 8015B NELAC	Prep Method:						QCBatchl	ID:	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatchl	ID:	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchl	ID:	
See Attached			1						
Matrix: Solid	Clie	ent: Construct	ion Testina	& Engineering	Inc. Co	ollector: client			
Sampled: 06/24/2016 07:30		ite:		geeig					
Sample #: 380064-090		e #: B-24 @ 1	.5'		Samp	le Type:			
Analyte		Result	DF	RDL	Units	Prepared	Analyzed	d By	Notes
Vethod:	Prep Method:						QCBatchl		
N/A		N/A	1						
Matrix: Solid	Clie	ent: Construct	ion Testina	& Engineering	Inc. Co	ollector: client			
		ent: Construct	ion Testing	& Engineering	Inc. Co	ollector: client			
Matrix: Solid Sampled: 06/24/2016 07:35 Sample #: 380064-091	S	ent: Construct lite: e #: B-24 @ 3		& Engineering		ollector: client			
Sampled: 06/24/2016 07:35	S	ite:		& Engineering			Analyzeo	d By	Notes



N/A

1

N/A

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 NELAC	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 NELAC	Prep Method:	EPA 7471A					QCBatchID: QC1168779
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:
See Attached			1				

Sampled: 06/24/2016 08:08

Sample #: 380064-093 Client Sample #: B-25 @ 1.5' Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC 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 NELAC Prep Method:	EPA 7471A					QCBatchID: QC1168779
Mercury	ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH
Method: EPA 8015B NELAC Prep Method:						QCBatchID:
See Attached		1				
Method: EPA 8081A NELAC Prep Method:						QCBatchID:
See Attached		1				
Method: EPA 8270C NELAC Prep Method:	Method					QCBatchID:
See Attached		1				

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/24/2016 08:18 Site:

Sample #: 380064-094 Client Sample #: B-26 @ 4.5' Sample Type:

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client Sampled: 06/24/2016 08:42 Sample #: 380064-095 Client Sample #: B-26 @ 1.5' Sample Type: **Analyte** Result DF **RDL Units Prepared** Analyzed By **Notes** Method: EPA 6010B NELAC QC1168823 Prep Method: EPA 3050B QCBatchID: ND 3 07/05/16 07/06/16 JN Antimony 1 mg/Kg Arsenic 10.7 1 07/05/16 07/06/16 JN 1 mg/Kg **Barium** 298 1 1 mg/Kg 07/05/16 07/06/16 JN ND 0.5 07/05/16 07/06/16 Beryllium 1 mg/Kg JN 0.59 1 07/05/16 JN Cadmium 0.5 mg/Kg 07/06/16 Chromium 24.6 1 1 mg/Kg 07/05/16 07/06/16 JN 07/05/16 07/06/16 Cobalt 11.0 1 0.5 mg/Kg JN Copper 16.4 1 1 mg/Kg 07/05/16 07/06/16 JN Lead 3.83 1 0.5 07/05/16 07/06/16 JN mg/Kg Molybdenum ND 1 1 07/05/16 07/06/16 JN mg/Kg Nickel 11.0 1 1.5 mg/Kg 07/05/16 07/06/16 JN Selenium ND mg/Kg 07/05/16 07/06/16 JN 1 1 Silver ND 1 0.5 07/05/16 JN mg/Kg 07/06/16 Thallium ND 07/06/16 1 1 mg/Kg 07/05/16 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 QC1168832 Method: EPA 7471A NELAC Prep Method: EPA 7471A QCBatchID: Mercury ND 0.14 07/05/16 07/05/16 1 mg/Kg JP Method: EPA 8015B NELAC QCBatchID: Prep Method: See Attached 1 Method: EPA 8081A NELAC Prep Method: QCBatchID: See Attached 1 QCBatchID: Method: EPA 8270C NELAC Prep Method: Method See Attached 1 Collector: client Matrix: Solid Client: Construction Testing & Engineering Inc.

Sampled: 06/24/2016 08:48 Site:

Sample #: 380064-096 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

Sample #: 380064-097 Client Sample #: B-26 @ 4.5' Sample Type:

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

Sampled: 06/24/2016 09:06

Sample #: 380064-098 Client Sample #: B-26 @ 6' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatch	ID: Q	C1168726
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 NELAC	Prep Method:	EPA 7471A					QCBatch	ID: Q	C1168779
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH	
Method: EPA 8015B NELAC	Prep Method:						QCBatch	ID:	
See Attached			1						
Method: EPA 8081A NELAC	Prep Method:						QCBatch	ID:	
See Attached			1						
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatch	ID:	
See Attached			1						

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/24/2016 09:15 Site:

Sample #: 380064-099 Client Sample #: B-26 @ 7.5' Sample Type:

Sampled: 06/24/2016 09:20 Site:

Sample #: 380064-100 Client Sample #: B-26 @ 9' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	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 NELAC	Prep Method:	EPA 7471A					QCBatchID: QC1168779
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:
See Attached			1				

Sampled: 06/24/2016 09:25 Site:

Sample #: 380064-101 Client Sample #: B-26 @ 10.5' Sample Type:

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

Sampled: 06/24/2016 09:30 Site:

Sample #: 380064-102 Client Sample #: B-26 @ 12' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	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 NELAC	Prep Method:	EPA 7471A					QCBatchID: QC1168779
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16 MH
Method: EPA 8015B NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8081A NELAC	Prep Method:						QCBatchID:
See Attached			1				
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchID:
See Attached			1				

Sampled: 06/24/2016 09:58 Sample #: 380064-103 Client Sample #: B-27 @ 1.5' Sample Type: **Analyte** Result DF **RDL Units Prepared** Analyzed By **Notes** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1168726 ND 3 07/01/16 Antimony 1 mg/Kg KLN 10.2 1 06/30/16 KLN **Arsenic** 1 mg/Kg **Barium** 225 1 1 mg/Kg 06/30/16 KLN ND 0.5 Beryllium 1 mg/Kg 06/30/16 KLN ND 1 06/30/16 Cadmium 0.5 mg/Kg 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 06/30/16 KLN mg/Kg Molybdenum ND 1 1 06/30/16 KLN mg/Kg Nickel 9.25 1 1.5 mg/Kg 06/30/16 KLN Selenium ND mg/Kg 07/01/16 KLN 1 1 Silver ND 1 0.5 06/30/16 mg/Kg KLN Thallium ND 06/30/16 1 1 mg/Kg KLN Vanadium 57.6 1 0.5 mg/Kg 06/30/16 KLN mg/Kg Zinc 51.7 1 5 06/30/16 KLN Method: EPA 7471A NELAC Prep Method: EPA 7471A QCBatchID: QC1168779 Mercury ND 0.14 07/01/16 07/01/16 1 mg/Kg MH Method: EPA 8015B NELAC QCBatchID: Prep Method: See Attached 1 Method: EPA 8081A NELAC Prep Method: QCBatchID: See Attached 1 Method: EPA 8270C NELAC QCBatchID: Prep Method: Method See Attached 1 Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client Sampled: 06/24/2016 10:05 Site: Sample #: 380064-104 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 Sample #: 380064-105 Client Sample #: B-27 @ 4.5' Sample Type: DF **RDL** Analyzed By **Notes Analyte** Result Units **Prepared** Method: Prep Method: QCBatchID: N/A N/A 1 Client: Construction Testing & Engineering Inc. Matrix: Solid Collector: client Sampled: 06/24/2016 10:50 Sample #: 380064-106 Client Sample #: B-28 @ 3.0' Sample Type: **Analyte** Result DF **RDL Units** Analyzed By **Notes Prepared** Prep Method: QCBatchID: Method: N/A N/A 1

Client: Construction Testing & Engineering Inc.

Collector: client

Matrix: Solid

Client: Construction Testing & Engineering Inc. Collector: client Matrix: Solid

Sampled: 06/24/2016 10:56

Sample #: 380064-107 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

Sample #: 380064-108 Client Sample #: B-28 @ 6' Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed	By Note
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					QCBatchl	D: QC116872
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 NELAC	Prep Method:	EPA 7471A					QCBatchl	D: QC116877
Mercury		ND	1	0.14	mg/Kg	07/01/16	07/01/16	MH
Method: EPA 8015B NELAC	Prep Method:						QCBatchl	D:
See Attached			1					
Method: EPA 8081A NELAC	Prep Method:						QCBatchl	D:
See Attached			1					
Method: EPA 8270C NELAC	Prep Method:	Method					QCBatchl	D:
See Attached			1					

Matrix: Solid Client: Construction Testing & Engineering Inc. Collector: client

Sampled: 06/24/2016 11:10 Site:

Sample #: 380064-109 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)

	Blan	k Summary			
	Blank				
Analyte	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	В	
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 Cont	trol Spike	e/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike Am	nount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS L	CSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
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		

	Mat	trix Sp	ike/Matı	rix Spik	re Dupli	icate Sum	mary					
	Sample Spike Amount		Spike	Spike Result		Reco	veries		Limit	s		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1168720MS1, QC1168720MSD1							•		•	Sc	urce:	380064-056
Antimony	ND	100	100	23.4	21.8	mg/Kg	23	22	7.1	75-125	20	М
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	

Enthalpy

Matrix: Solid	Analyzed:	06/30/2	2016	Instru	ıment: A	AICP (group)					
	Sample Spike Amount		Spike	Spike Result		Reco	Recoveries		Limits			
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1168720MS1, QC1168720MSD1	*						•		•	Sc	ource:	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	

Method: EPA 6010B

Analyst: jeannynguye

QCBatchID: QC1168720

 QCBatchID:
 QC1168725
 Analyst:
 jeannynguye
 Method:
 EPA 6010B

 Matrix:
 Solid
 Analyzed:
 06/30/2016
 Instrument:
 AAICP (group)

Blank Summary											
	Blank										
Analyte	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											
	Spike /	Amount	Spike Result			Recoveries			Limits		
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
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												
	Sample	Spike Amount		Spike Result			Recoveries			Limits		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1168725MS1, QC1168725MSD1						•			•	Sc	urce:	380064-002
Antimony	ND	100	100	32.8	31.7	mg/Kg	33	32	3.4	75-125	20	М
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	

Enthalpy

QCBatchID: QC1168725	Analyst:	jeanny	nguye	M	ethod: E	PA 6010B						
Matrix: Solid	Analyzed:	06/30/2	2016	Instru	ıment: A	AICP (group))					
	Sample	Spike Amount		Spike Result			Recoveries			Limits		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1168725MS1, QC1168725MSD1	'			,		•				Sc	urce:	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	8.0	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											
	Blank											
Analyte	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											
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
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												
	Sample	Spike	Amount	Spike	Result		Recoveries			Limits			
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes	
QC1168726MS1, QC1168726MSD1							•			Sc	ource:	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		

Enthalpy

Matrix: Solid	Analyzed:	06/30/2	2016	Instru	AICP (group))						
	Sample	Spike	Spike Amount S		Result		Reco	Recoveries		Limits		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1168726MS1, QC1168726MSD1						,				Sc	ource:	380064-051
Molybdenum	ND	100	100	89.7	86.0	mg/Kg	90	86	4.2	75-125	20	
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	M
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	

Method: EPA 6010B

Analyst: jeannynguye

QCBatchID: QC1168726

 QCBatchID:
 QC1168727
 Analyst:
 jeannynguye
 Method:
 EPA 6010B

 Matrix:
 Solid
 Analyzed:
 06/30/2016
 Instrument:
 AAICP (group)

	Blank Summary											
	Blank											
Analyte	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												
	Spike Amount	Spike Result		Recoveries	Limi	ts						
Analyte	LCS LCSD	LCS LCSD	Units	LCS LCSD	RPD %Rec	RPD No	tes					
QC1168727LCS1	1	1										
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												
	Sample	Spike	Amount	Spike Result			Recoveries			Limit	s		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes	
QC1168727MS1, QC1168727MSD1							•			Sc	urce:	380076-001	
Antimony	ND	100	100	24.6	25.4	mg/Kg	28	29	3.2	75-125	20	М	
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		

Enthalpy

	-	-										
Matrix: Solid	Analyzed:	nalyzed: 06/30/2016 Instrument: AAICP (group)										
	Sample	Spike	Spike Amount		Result		Recoveries		Recoveries		ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1168727MS1, QC1168727MSD1	*									S	ource:	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	

Method: EPA 6010B

Analyst: jeannynguye

QCBatchID: QC1168727

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

	Blar	nk Summary	<i>'</i>			
	Blank					
Analyte	Result	Units		RDL	Notes	
QC1168732MB1						
Mercury	ND	mg/Kg		0.14		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1168732LCS1	,			•		•				•	
Mercury	0.83		0.78		mg/Kg	94			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike Amount Spike Result					Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1168732MS1, QC1168732MSD1						•	•		•	Sc	urce:	380064-002
Mercury	0.10	0.83	0.83	0.88	0.88	mg/Kg	94	94	0.0	75-125	20	

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

	Blar	nk Summary	′		Blank Summary											
	Blank															
Analyte	Result	Units		RDL	Notes											
QC1168734MB1																
Mercury	ND	mg/Kg		0.14												

Lab Con	trol Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Spike Result		Recoveries			Limits		
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1168734LCS1	,			•		,	,		•	•	
Mercury	0.83		0.96		mg/Kg	116			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike	Amount	Spike Result			Recoveries			Limits		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1168734MS1, QC1168734MSD1										Sc	urce:	380064-056
Mercury	0.06	0.83	0.83	0.88	0.85	mg/Kg	99	95	3.5	75-125	20	

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

	Blank Summary											
	Blank											
Analyte	Result	Units		RDL	Notes							
QC1168779MB1												
Mercury	ND	mg/Kg		0.14								

Lab Con	trol Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Spike Result		Recoveries			Limits		
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1168779LCS1	,			•						•	
Mercury	0.83		0.82		mg/Kg	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike /	Amount	Spike Result			Recoveries			Limit	s	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1168779MS1, QC1168779MSD1										Sc	urce:	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)

	Blai	nk Summar	/		
	Blank				
Analyte	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 Cont	rol Spike/ L	ab Control Spil	ke Duplicat	e Summary				
	Spike Amour	t Spike Result		Recoveries		Limit	S	
Analyte	LCS LCSI	D LCS LCSE	Units	LCS LCSD	RPD	%Rec	RPD	Notes
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											
	Sample	Spike /	Amount	Spike Result			Reco	Recoveries		Limits		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1168823MS1, QC1168823MSD1										Sc	urce:	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	

Enthalpy Analytical, Inc.

QCBatchID: QC1168823	Analyst:	dswaff	ord	М	ethod: E	EPA 6010B						
Matrix: Solid	Analyzed:	07/05/2	2016	Instru	ıment: A	AAICP (group)						
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	s	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1168823MS1, QC1168823MSD1						,				Sc	ource:	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: QC1168832	Analyst: JParedes	Method: EPA 7471A	
Matrix: Solid	Analyzed: 07/05/2016	Instrument: AAICP-HG1	

	Blar	nk Summary	'			
	Blank					
Analyte	Result	Units		RDL	Notes	
QC1168832MB1			•			
Mercury	ND	mg/Kg		0.14		

Lab Con	trol Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1168832LCS1				•			,			•	
Mercury	0.83		0.82		mg/Kg	99			80-120		

	Mat	trix Sp	ike/Mat	rix Spik	re Dupli	icate Sum	mary					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1168832MS1, QC1168832MSD1										Sc	ource:	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)

	Blar	nk Summary	/			
	Blank					
Analyte	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 Cont	rol Spike/ Lab	Control Spike	Duplicat	e Summary				
	Spike Amount	Spike Result		Recoveries		Limit	S	
Analyte	LCS LCSD	LCS LCSD	Units	LCS LCSD	RPD	%Rec	RPD	Notes
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		

	Mat	trix Sp	ike/Matı	rix Spik	re Dupli	icate Sun	nmary					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1169491MS1, QC1169491MSD1						•				Sc	ource:	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	

Enthalpy

Matrix: Solid	Analyzed:	08/01/2	2016	Instru	ıment: A	AICP (group)						
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1169491MS1, QC1169491MSD1										Sc	ource:	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	

Method: EPA 6010B

Analyst: dswafford

QCBatchID: QC1169491

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.

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

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ALYTICAL, INC. Chain of Custody Record Stand Fax: (714)771-9933 Page: Page	1=Na ₂ S ₂ O ₃ 2=HCl	Preservative		inking Water	DW = Dr					Cal	Billing: Enthalpy - SoCal
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₂ O ₃ 2 = HCl 3 = HNO ₃ aOH 6 = Other	atives: $1 = \text{Na}_2\text{S}_2\text{O}_3$ $4 = \text{H}_2\text{SO}_4$ $5 = \text{NaOH}$	Preservatives: $4 = H_2S$	Pre	년 -	.= Liquic Sea Wat	Solid L SeaW =	FS = Food Solid L = Liquid S = Solid SeaW = Sea Water		FL = Food Liquid PP = Pure Product	lñ⊀,	HALP ical, in	ENT.		c/o Montrose Environmental Group	ose Enviro	c/o Montrose Environn
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SAMPLE ACCEPTANCE CHECKLIST

Section 1	Bayler			
Client CTE Project	Signature Prese	nt (Ve	No	-
Date Recuived	DiBustine Tacec) 110	
Sample temperature: Sample (S) received in cooler: (Yes No (Skip Section 1))	on 2)			
Sample (a) Tective III 555				
Shipping Information:				
Section 2 Was the cooler packed with: Ice Ice Packs B	whble Wrzp	Styro	foam	- 1
				_
100 C 1 0 T	Conject 3 Lembi	etatute:_	2,5	
(Acceptance range is 0 to 6 Deg. C. or arrival on ice; For Microbiolog	y sample $\leq 10 D_0$	g. 007 i	VI TUDON O	n ice)
Section 3		YES	МО	N/A
Was a COC received?				
Were IDs present?			ļ	
Were sampling dates & times present?				
Was a signature present?				
Were tests clearly indicated?				
Were custody seals present?				
If Yes — were they intact?				,,
Were all samples sealed in plastic bags?		1/		
Did all samples arrive intact? If no, indicate below.			<u> </u>	<u> </u>
Did all bottle labels agree with COC? (ID, dates and times)				<u> - </u>
Were correct containers used for the tests required?				ļ
Was a sufficient amount of sample sent for tests indicated?	·			<u> </u>
Was there headspace in VOA vials?				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Were the containers labeled with correct preservatives?			1	
Was total residual chlorine measured (Fish Bioassay samples on	<u>ly)</u> ? *	}		
*If the answer is no, please inform Fish Bioassay Dept. immedia	itely.	,	<u>l</u>	J.,
Section 4			a 7	Λİ
Explanations/Comments D10 Not Rec	vere D	5.56 E	<u>D . Z.</u>	
	/			
				· — ·
Section 5	1 (37)			
Was the Project Manager notified via email of discrepancies:	A \ N (N/W)			
Project Manager's response				- · · - · ·
	·			
Date:	6-28-16			
Completed By:		<u> </u>		

Enthalpy Analytical, a subsidiary of Montrose Environmental Group, Inc. 806 N. Batavia Street, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 771-9933

www.cuthalpy.com/socal

Sample Acceptance Checklist - Rev 1.2, 8/182015

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 <u>B28@1.5</u>' 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





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



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 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.

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.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 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

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.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 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

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.

Project: 380064

806 N. Batavia Orange CA, 92868 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

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.



Enthalpy Analytical, Inc.

Project: 380064

806 N. Batavia Orange CA, 92868

Project Number: 380064 Project Manager: Ranjit Clarke Reported:

07/08/16 17:02

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

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc.

Project: 380064

110JCC1. 300004

Project Manager: Ranjit Clarke

Project Number: 380064

Reported: 07/08/16 17:02

Orange CA, 92868

Sample ID:

806 N. Batavia

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

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.



Enthalpy Analytical, Inc.

Project: 380064

806 N. Batavia Orange CA, 92868

Project Number: 380064 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

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.



Enthalpy Analytical, Inc.

Project: 380064

806 N. Batavia Orange CA, 92868

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

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.



Enthalpy Analytical, Inc.

806 N. Batavia Project Number: 380064

Orange CA, 92868 Project Manager: Ranjit Clarke

Reported: 07/08/16 17:02

Sample ID: B-20 @ 4.5' Laboratory **ID:** T161436-35

Project: 380064

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

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.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 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



Enthalpy Analytical, Inc.

Project: 380064

806 N. Batavia Orange CA, 92868 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.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B1 @ 3' T161436-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		81.1 %	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	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B1 @ 3' T161436-01 (Soil)

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

SunStar Laboratories, Inc.

		Jungtur L	ubor utor ic	3, 1110.					
Polynuclear Aromatic Compounds b	oy GC/MS with Selected I	on Monito	ring						
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	"	"	"	"	"	"	

18-137

81.3 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B1 @ 4.5' T161436-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarboi	ns 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		81.7 %	65-	135	"	"	"	"	
Organochlorine Pesticides by EPA M	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-		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B1 @ 4.5' T161436-02 (Soil)

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

SunStar Laboratories, Inc.

	,	SunStar L	aboratorie	s, Inc.					
Polynuclear Aromatic Compounds by	GC/MS with Selected 1	on Monito	ring						
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	"	"	"	"	"	"	

18-137

80.6 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B2 @ 3' T161436-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		83.1 %	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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B2 @ 3' T161436-03 (Soil)

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

SunStar Laboratories, Inc.

		Sunstar L	арогацогіе	s, mc.					
Polynuclear Aromatic Compounds by C	GC/MS with Selected	Ion Monito	oring						
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	"	"	"	"	"	11	
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	"	"	"	"	"	"	

18-137

85.6 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B2 @ 4.5' T161436-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B2 @ 4.5' T161436-04 (Soil)

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

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ic	s, mc.					
Polynuclear Aromatic Compounds by GC/M	AS with Selected	Ion Monito	ring						
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	"	"	"	"	"	"	

18-137

80.2 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B6 @ 1.5' T161436-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B6 @ 1.5' T161436-05 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

SunStar Laboratories, Inc.										
Polynuclear Aromatic Compounds by	GC/MS with Selected 1	on Monito	ring							
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	"	"	"	"	"	"		

18-137

89.1 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B6 @ 3.0' T161436-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbor	is 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		87.2 %	65-	135	"	"	"	"	
Organochlorine Pesticides by EPA M	1ethod 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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B6 @ 3.0' T161436-06 (Soil)

									- 1
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Acenaphthylene ND 5.0 "	EPA 8270C SIM "
Acenaphthylene ND 5.0 "	SIM "
Anthracene ND 5.0 " " " " " " Benzo (a) anthracene ND 10 " " " " " " " " " " " " " " " " " "	n
Benzo (a) anthracene ND 5.0 " " " " " " Benzo (b) fluoranthene ND 10 " " " " " "	
Benzo (b) fluoranthene ND 10 " " " " "	
Beizo (b) fidorantifere ND 10	"
	"
Benzo (k) fluoranthene ND 10 " " " " "	"
Benzo (g,h,i) perylene ND 5.0 " " " "	"
Benzo (a) pyrene ND 10 " " " "	"
Chrysene ND 5.0 " " " " "	n .
Dibenz (a,h) anthracene ND 5.0 " " " "	n .
Fluoranthene ND 5.0 " " " "	m .
Fluorene ND 10 " " " "	m .
Indeno (1,2,3-cd) pyrene ND 5.0 " " " " "	m .
Naphthalene ND 5.0 " " " " "	m .
Phenanthrene ND 5.0 " " " " "	n .
Pyrene ND 10 " " " " "	"

18-137

84.2 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B6 @ 4.5' T161436-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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		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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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B6 @ 4.5' T161436-07 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ie	s, IIIC.					
Polynuclear Aromatic Compounds l	oy GC/MS with Selected	l Ion Monito	oring						
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	"	"	"	"	"	n .	
Surrogate: Terphenyl-dl4		81.5 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B7 @ 1.5' T161436-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		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. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B7 @ 1.5' T161436-08 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Sunstar Laboratories, Inc.										
Polynuclear Aromatic Compounds by GC	MS with Selected	Ion Monito	ring							
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	"	"	"	"	"	m .		
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	m .		
Fluoranthene	ND	5.0	"	"	"	"	"	m .		
Fluorene	ND	10	"	"	"	"	"	m .		
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	m .		
Naphthalene	ND	5.0	"	"	"	"	"	m .		
Phenanthrene	ND	5.0	"	"	"	"	"	"		
Pyrene	ND	10	"	"	"	"	"	"		

18-137

78.0 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B9 @ 1.5' T161436-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	is 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		82.2 %	65-	135	"	"	"	"	
Organochlorine Pesticides by EPA M	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. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B9 @ 1.5' T161436-09 (Soil)

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

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ie	s, mc.					
Polynuclear Aromatic Compounds l	by GC/MS with Selected	l Ion Monito	oring						
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 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B9 @ 3.0' T161436-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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		84.5 %	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		73.7 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		106 %	35-	140	"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B9 @ 3.0' T161436-10 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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	"	"	"	"	"	"
ndeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"
Naphthalene	ND	5.0	"	"	"	"	"	"
Phenanthrene	ND	5.0	"	"	"	"	"	"
Pyrene	ND	10	"	"	"	"	"	"
Surrogate: Terphenyl-dl4		81.3 %	18-13	37	"	"	"	"

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B9 @ 4.5' T161436-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	s 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 M	lethod 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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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B9 @ 4.5' T161436-11 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ie	s, IIIC.					
Polynuclear Aromatic Compounds I	oy GC/MS with Selected	l Ion Monito	oring						
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	"	"	"	"	"	n .	
Surrogate: Terphenyl-dl4		81.5 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B9 @ 6' T161436-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		81.5 %	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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B9 @ 6' T161436-12 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstar L	арогацогіе	s, mc.					
Polynuclear Aromatic Compounds by C	GC/MS with Selected	Ion Monito	oring						
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	"	"	"	"	"	11	
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	"	"	"	"	"	"	

18-137

84.1 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B9 @ 7.5' T161436-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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-		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B9 @ 7.5' T161436-13 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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	"	"	"	"	"	"

18-137

77.2 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B9 @ 10.5' T161436-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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		43.5 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		81.0 %	35-	140	"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B9 @ 10.5' T161436-14 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		SunStar L	aboratorie	s, inc.					
Polynuclear Aromatic Compounds by GC	MS with Selected	Ion Monito	ring						
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	"	"	"	"	"	m .	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	m .	
Fluoranthene	ND	5.0	"	"	"	"	"	m .	
Fluorene	ND	10	"	"	"	"	"	m .	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	m .	
Naphthalene	ND	5.0	"	"	"	"	"	m .	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	

18-137

82.0 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

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

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Sunstar Ladoratories, Inc.									
Polynuclear Aromatic Compounds b	y GC/MS with Selected	l Ion Monito	oring						
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 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

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

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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	"	"	"	"	"	"

18-137

84.8 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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		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.

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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

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

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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 %	18-13	37	"	"	"	"

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	s 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 M	Tethod 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	"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

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

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

	Sunstai Laboi atories, inc.									
Polynuclear Aromatic Compounds	by GC/MS with Selected I	on Monito	oring							
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	"	"	"	"	"	"		

18-137

78.6 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-13 @ 6' T161436-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		80.1 %	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-		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-13 @ 6' T161436-19 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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	"	"	"	"	"	"
ndeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"
Naphthalene	ND	5.0	"	"	"	"	"	"
Phenanthrene	ND	5.0	"	"	"	"	"	"
Pyrene	ND	10	"	"	"	"	"	"

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-14 @ 4.5 T161436-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	s 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 M	lethod 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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-14 @ 4.5 T161436-20 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by Go	C/MS with Selected	Ion Monito	oring						
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	"	"	"	"	"	"	

18-137

81.2 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-15 @ 1.5' T161436-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-15 @ 1.5' T161436-21 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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	n	"	"	"	"	"

18-137

97.8 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-15 @ 4.5 T161436-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	s 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		92.2 %	65-	135	"	"	"	"	
Organochlorine Pesticides by EPA M	1ethod 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	"	"	"	"	
Surrogate: Decachlorobiphenyl		95.4 %	35-	140	"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-15 @ 4.5 T161436-22 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ic	<i>5</i> , 1110.					
Polynuclear Aromatic Compounds by GC/M	S with Selected	Ion Monito	ring						
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	"	"	"	"	"	11	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	11	
Pyrene	ND	10	"	"	"	"	"	"	

18-137

82.6 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-15 @ 6' T161436-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-15 @ 6' T161436-23 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ie	s, mc.					
Polynuclear Aromatic Compounds l	by GC/MS with Selected	l Ion Monito	oring						
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	"	"	"	"	"	11	
Surrogate: Terphenyl-dl4		85.8 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-16 @ 1.5' T161436-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-16 @ 1.5' T161436-24 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

				, 11101					
Polynuclear Aromatic Compounds b	by GC/MS with Selected 1	on Monito	oring						
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	"	"	"	"	"	"	

18-137

81.2 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-17 @ 1.5' T161436-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	s 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 M	1ethod 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-		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-17 @ 1.5' T161436-25 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ic	<i>5</i> , 1110.					
Polynuclear Aromatic Compounds by GC/M	S with Selected	Ion Monito	ring						
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	"	"	"	"	"	11	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	11	
Pyrene	ND	10	"	"	"	"	"	"	

18-137

96.6 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-17 @ 4.5' T161436-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	s 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		86.0 %	65-	135	"	"	"	"	
Organochlorine Pesticides by EPA M	1ethod 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-		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-17 @ 4.5' T161436-26 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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		91.9 %	18-13	37	"	"	"	"

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-17 @ 7.5' T161436-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	s 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		94.6 %	65-	135	"	"	"	"	
Organochlorine Pesticides by EPA M	1ethod 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. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-17 @ 7.5' T161436-27 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Sunstai Laboratories, inc.											
Polynuclear Aromatic Compounds by GC/M	S with Selected	Ion Monito	ring								
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	"	"	"	"	"	11			
Naphthalene	ND	5.0	"	"	"	"	"	"			
Phenanthrene	ND	5.0	"	"	"	"	"	11			
Pyrene	ND	10	"	"	"	"	"	"			

18-137

74.6 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-17 @ 9' T161436-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ns 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	"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-17 @ 9' T161436-28 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

SunStar Laboratories, Inc.											
Polynuclear Aromatic Compounds by GC/M	S with Selected	Ion Monito	oring								
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	"	"	"	"	"	"			

18-137

88.4 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-18 @ 3' T161436-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		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. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-18 @ 3' T161436-29 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

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	"	"	"	"	"	"		

10

82.5 %

18-137

ND

SunStar Laboratories, Inc.

Pyrene

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-18 @ 4.5' T161436-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	s 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		91.2 %	65-	135	"	"	"	"	
Organochlorine Pesticides by EPA M	1ethod 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	"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-18 @ 4.5' T161436-30 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds	by GC/MS with Selected I	on Monito	ring						
Acenaphthene	ND	10	ug/kg	1	6070520	07/05/16	07/08/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	II .	
Anthracene	ND	5.0	"	"	"	"	"	II .	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	II .	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	II .	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	II .	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	II .	
Benzo (a) pyrene	ND	10	"	"	"	"	"	II .	
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	"	"	"	"	"	"	

18-137

85.9 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-18 @ 7.5' T161436-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarboi	ns 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		95.2 %	65-	135	"	"	"	"	
Organochlorine Pesticides by EPA M	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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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-18 @ 7.5' T161436-31 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ie	s, mc.					
Polynuclear Aromatic Compounds l	oy GC/MS with Selected	l Ion Monito	oring						
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		76.9 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-18 @ 9' T161436-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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		93.4 %	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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-18 @ 9' T161436-32 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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	"	"	"	"	"	n .		

18-137

78.4 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-19 @ 1.5' T161436-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	as 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		86.8 %	65-	135	"	"	"	"	
Organochlorine Pesticides by EPA M	1ethod 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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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-19 @ 1.5' T161436-33 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ie	s, mc.					
Polynuclear Aromatic Compounds l	by GC/MS with Selected	l Ion Monito	oring						
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	"	"	"	"	"	m .	
Surrogate: Terphenyl-dl4		89.0 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-19 @ 4.5' T161436-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-19 @ 4.5' T161436-34 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

SunStar Laboratories, Inc.										
Polynuclear Aromatic Compounds by	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	"	"	"	"	"	"		

18-137

87.6 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-20 @ 4.5' T161436-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-20 @ 4.5' T161436-35 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

	Sunstar Laboratories, Inc.									
Polynuclear Aromatic Compounds by GC	MS with Selected	Ion Monito	oring							
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	"	"	"	"	"	"		

18-137

89.4 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-21 @ 3.0' T161436-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-21 @ 3.0' T161436-36 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ic	s, m					
Polynuclear Aromatic Compounds by GC	/MS with Selected	Ion Monito	ring						
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	"	"	"	"	"	11	
Pyrene	ND	10	"	"	"	"	"	"	

18-137

81.9 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-21 @ 4.5' T161436-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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		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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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-21 @ 4.5' T161436-37 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ie	s, IIIC.					
Polynuclear Aromatic Compounds l	by GC/MS with Selected	l Ion Monito	oring						
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 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-21 @ 7.5' T161436-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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		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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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-21 @ 7.5' T161436-38 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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	"	"	"	"	"	"
luoranthene	ND	5.0	"	"	"	"	"	"
Fluorene	ND	10	"	"	"	"	"	"
ndeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"
Naphthalene	ND	5.0	"	"	"	"	"	"
Phenanthrene	ND	5.0	"	"	"	"	"	"
Pyrene	ND	10	"	"	"	"	"	"
Surrogate: Terphenyl-dl4		87.5 %	18-1.	37	"	"	"	"

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-22 @ 1.5' T161436-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	as 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 M	1ethod 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. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-22 @ 1.5' T161436-39 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ie	s, mc.					
Polynuclear Aromatic Compounds l	oy GC/MS with Selected	l Ion Monito	oring						
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 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-22 @ 3.0' T161436-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		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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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-22 @ 3.0' T161436-40 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ie	s, IIIC.					
Polynuclear Aromatic Compounds b	y GC/MS with Selected	d Ion Monito	oring						
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 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-22 @ 6.0' T161436-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		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.

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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-22 @ 6.0' T161436-41 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds	by GC/MS with Selected	l Ion Monito	oring					
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	"	"	"	"	"	II .
Surrogate: Terphenyl-dl4		85.2 %	18-1.	37	"	"	"	"

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-23 @ 3.0' T161436-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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		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. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-23 @ 3.0' T161436-42 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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	"	"	"	"	"	n .
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	"	"	"	"	"	"
ndeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"
Naphthalene	ND	5.0	"	"	"	"	"	"
Phenanthrene	ND	5.0	"	"	"	"	"	"
Pyrene	ND	10	"	"	"	"	"	"
Surrogate: Terphenyl-dl4		78.9 %	18-1.	37	"	"	"	"

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-23 @ 4.5' T161436-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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		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. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-23 @ 4.5' T161436-43 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Sunstar Laboratories, Inc.											
Polynuclear Aromatic Compounds	by GC/MS with Selected	Ion Monito	oring								
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 %	18-1.	37	"	"	"	"			

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-23 @ 6.0' T161436-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, 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		90.1 %	65-1	135	"	"	"	"	
Organochlorine Pesticides by EPA Me	thod 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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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-23 @ 6.0' T161436-44 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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	"	"	"	"	"	"
ndeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"
Naphthalene	ND	5.0	"	"	"	"	"	"
Phenanthrene	ND	5.0	"	"	"	"	"	"
Pyrene	ND	10	"	"	"	"	"	II .
Surrogate: Terphenyl-dl4		88.9 %	18-13	37	"	"	"	"

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-23 @ 9.0' T161436-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	is 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		96.7 %	65-	135	"	"	"	"	
Organochlorine Pesticides by EPA M	1ethod 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-		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-23 @ 9.0' T161436-45 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstar L	арогацогіе	s, inc.					
Polynuclear Aromatic Compounds	by GC/MS with Selected	Ion Monito	oring						
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 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-24 @ 4.5' T161436-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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		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. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-24 @ 4.5' T161436-46 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

				~,					
Polynuclear Aromatic Compounds	by GC/MS with Selected	l Ion Monite	oring						
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		83.0 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-25 @ 1.5' T161436-47 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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		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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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-25 @ 1.5' T161436-47 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		aboi atoi ie	s, IIIC.						
Polynuclear Aromatic Compounds I	by GC/MS with Selected	l Ion Monito	ring						
Acenaphthene	ND	10	ug/kg	1	6063041	06/30/16	07/07/16	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	n .	
Anthracene	ND	5.0	"	"	"	"	"	n .	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	n .	
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	"	"	"	"	"	n .	
Pyrene	ND	10	"	"	"	"	"	II .	
Surrogate: Terphenyl-dl4		86.8 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-26 @ 6' T161436-48 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-26 @ 6' T161436-48 (Soil)

									- 1
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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	"	"	"	"	"	"
ndeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"
Naphthalene	ND	5.0	"	"	"	"	"	"
Phenanthrene	ND	5.0	"	"	"	"	"	"
Pyrene	ND	10	"	"	"	"	"	"
Surrogate: Terphenyl-dl4		89.5 %	18-13	37	"	"	"	"

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-26 @ 9' T161436-49 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		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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Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-26 @ 9' T161436-49 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		Sunstai L	aboi atoi ie	s, IIIC.				
Polynuclear Aromatic Compounds b	y GC/MS with Selected	d Ion Monite	oring					
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 %	18-1.	37	"	"	"	"

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-26 @ 10.5' T161436-50 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		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-		"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-26 @ 10.5' T161436-50 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

				~,					
Polynuclear Aromatic Compounds	by GC/MS with Selected	l Ion Monite	oring						
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		83.0 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-26 @ 12' T161436-51 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	is 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		97.9 %	65-	135	"	"	"	"	
Organochlorine Pesticides by EPA M	1ethod 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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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-26 @ 12' T161436-51 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

				~,					
Polynuclear Aromatic Compounds	by GC/MS with Selected	Ion Monito	oring						
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 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-27 @ 1.5' T161436-52 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbor	is 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		86.0 %	65-	135	"	"	"	"	
Organochlorine Pesticides by EPA M	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	"	"	"	"	

SunStar Laboratories, Inc.

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Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-27 @ 1.5' T161436-52 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Sunstan Laboratories, inc.									
Polynuclear Aromatic Compounds by GC/M	S with Selected	Ion Monito	ring						
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	"	"	"	"	"	"	

18-137

80.7 %

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-28 @ 6' T161436-53 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons 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		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.

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.



Enthalpy Analytical, Inc. Project: 380064

806 N. Batavia Project Number: 380064 Reported: Orange CA, 92868 Project Manager: Ranjit Clarke 07/08/16 17:02

B-28 @ 6' T161436-53 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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	"	"	"	"	"	"
ndeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"
Naphthalene	ND	5.0	"	"	"	"	"	"
Phenanthrene	ND	5.0	"	"	"	"	"	"
Pyrene	ND	10	"	"	"	"	"	"
Surrogate: Terphenyl-dl4		89.9 %	18-13	37	"	"	"	"

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-26 @ 1.5' T161436-54 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarb	ons 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



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

B-26 @ 1.5' T161436-54 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

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	"	"	"	"	"	"						

97.7 %

18-137

SunStar Laboratories, Inc.

Surrogate: Terphenyl-dl4



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6063034 - EPA 3550B GC										
Blank (6063034-BLK1)				Prepared: (06/30/16 A	nalyzed: 07	7/07/16			
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	96.0		"	99.0		96.9	65-135			
LCS (6063034-BS1)				Prepared: (06/30/16 A	nalyzed: 07	7/07/16			
C13-C28 (DRO)	460	10	mg/kg	492		93.3	75-125			
Surrogate: p-Terphenyl	105		"	98.3		107	65-135			
Matrix Spike (6063034-MS1)	Sourc	e: T161429-	-18	Prepared: (06/30/16 A	nalyzed: 07	7/07/16			
C13-C28 (DRO)	530	10	mg/kg	497	ND	106	75-125			
Surrogate: p-Terphenyl	112		"	99.4		112	65-135			
Matrix Spike Dup (6063034-MSD1)	Sourc	e: T161429-	-18	Prepared: (06/30/16 A	nalyzed: 07	7/07/16			
C13-C28 (DRO)	540	10	mg/kg	500	ND	107	75-125	1.26	20	
Surrogate: p-Terphenyl	112		"	100		112	65-135			
Batch 6063040 - EPA 3550B GC										
Blank (6063040-BLK1)				Prepared: (06/30/16 A	nalyzed: 07	7/07/16			
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	83.5		"	99.8		83.7	65-135			
LCS (6063040-BS1)				Prepared: (06/30/16 A	nalyzed: 07	7/07/16			
C13-C28 (DRO)	460	10	mg/kg	499		92.1	75-125			
Surrogate: p-Terphenyl	82.2		"	99.8		82.3	65-135			

SunStar Laboratories, Inc.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

${\bf Extractable\ Petroleum\ Hydrocarbons\ by\ 8015C-Quality\ Control}$

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Resuit	Limit	Units	Level	Resuit	70KEC	Lillits	KrD	LIIIII	notes
Batch 6063040 - EPA 3550B GC										
LCS Dup (6063040-BSD1)				Prepared: (06/30/16 A	nalyzed: 07	//07/16			
C13-C28 (DRO)	500	10	mg/kg	498		99.9	75-125	7.93	20	
Surrogate: p-Terphenyl	88.2		"	99.6		88.6	65-135			
Batch 6070120 - EPA 3550B GC										
Blank (6070120-BLK1)				Prepared: (07/01/16 A	nalyzed: 07	//07/16			
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	84.7		"	98.2		86.2	65-135			
LCS (6070120-BS1)				Prepared: (07/01/16 A	nalyzed: 07	//07/16			
C13-C28 (DRO)	510	10	mg/kg	499		102	75-125			
Surrogate: p-Terphenyl	110		"	99.8		110	65-135			
Matrix Spike (6070120-MS1)	Sourc	e: T161436-	-21	Prepared: (07/01/16 A	nalyzed: 07	7/07/16			
C13-C28 (DRO)	450	10	mg/kg	494	ND	92.0	75-125			
Surrogate: p-Terphenyl	100		"	98.8		101	65-135			
Matrix Spike Dup (6070120-MSD1)	Sourc	e: T161436-	-21	Prepared: (07/01/16 A	nalyzed: 07	7/07/16			
C13-C28 (DRO)	400	10	mg/kg	496	ND	79.7	75-125	13.9	20	
Surrogate: p-Terphenyl	81.0		"	99.2		81.6	65-135			
Batch 6070511 - EPA 3550B GC										
Blank (6070511-BLK1)				Prepared: (07/05/16 A	nalyzed: 07	7/06/16			
C6-C12 (GRO)	ND	10	mg/kg			·				<u> </u>
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	96.1		"	99.0		97.0	65-135			

SunStar Laboratories, Inc.

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Vicole Bryson



Enthalpy Analytical, Inc. Project: 380064

 806 N. Batavia
 Project Number: 380064
 Reported:

 Orange CA, 92868
 Project Manager: Ranjit Clarke
 07/08/16 17:02

$Extractable\ Petroleum\ Hydrocarbons\ by\ 8015C\ -\ Quality\ Control$

SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6070511 - EPA 3550B GC										
LCS (6070511-BS1)				Prepared: (07/05/16 A	nalyzed: 07	7/06/16			
C13-C28 (DRO)	500	10	mg/kg	497		101	75-125			
Surrogate: p-Terphenyl	93.5		"	99.4		94.0	65-135			
Matrix Spike (6070511-MS1)	Sourc	ce: T161436-	54	Prepared: (07/05/16 A	nalyzed: 07	7/06/16			
C13-C28 (DRO)	420	10	mg/kg	499	ND	85.0	75-125			
Surrogate: p-Terphenyl	100		"	99.8		100	65-135			
Matrix Spike Dup (6070511-MSD1)	Sourc	ce: T161436-	54	Prepared: (07/05/16 A	nalyzed: 07	//06/16			
C13-C28 (DRO)	490	10	mg/kg	499	ND	99.2	75-125	15.3	20	
Surrogate: p-Terphenyl	113		"	99.7		114	65-135			

SunStar Laboratories, Inc.

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RPD

%REC

Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

Reporting

Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Spike

Source

		Reporting		Spike	Source		70KEC		KPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6063038 - EPA 3550 ECD/GCM	S									
Blank (6063038-BLK1)				Prepared: (06/30/16 A	nalyzed: 07	/07/16			
alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
oeta-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	"							
Гохарhепе	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 A	nalyzed: 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			

SunStar Laboratories, Inc.



RPD

%REC

Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

Reporting

Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Spike

Source

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6063038 - EPA 3550 ECD/GCMS										
LCS Dup (6063038-BSD1)				Prepared: (06/30/16 A	nalyzed: 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

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.

Vicole Bryson



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 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
Batch 6063039 - EPA 3550 ECD/GCMS										
LCS (6063039-BS1)				Prepared: (06/30/16 A	nalyzed: 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-BSD1)				Prepared: (06/30/16 A	nalyzed: 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			

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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4,4'-DDT

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

Enthalpy Analytical, Inc. Project: 380064

ND

12.2

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 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
Batch 6070115 - EPA 3550 ECD/GCMS										
Blank (6070115-BLK1)				Prepared: (07/01/16 A	nalyzed: 07	//08/16			

ug/kg

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	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	7/08/16			
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	7/08/16			
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			

9.77

SunStar Laboratories, Inc.

Surrogate: Decachlorobiphenyl

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.

125

35-140



Analyte

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RPD

Limit

Notes

%REC

Limits

RPD

%REC

Enthalpy Analytical, Inc. Project: 380064

Result

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

Reporting

Limit

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control SunStar Laboratories, Inc.

Units

Spike

Level

Source

Result

Batch 6063036 - EPA 3550 ECD/GC	CMS								
Blank (6063036-BLK1)				Prepared: 06/30	/16 Analyzed: 07	7/02/16			
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	7/02/16			
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	7/02/16			
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.



Analyte

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RPD

Limit

Notes

%REC

Limits

RPD

%REC

Enthalpy Analytical, Inc. Project: 380064

Result

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

Reporting

Limit

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control SunStar Laboratories, Inc.

Units

Spike

Level

Source

Result

Blank (6063041-BLK1)				Prepared: 06/30/	16 Analyzed: 0'	7/06/16			
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	"						
ndeno (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: 0'	7/06/16			
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: 0'	7/06/16			
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.



Analyte

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RPD

Limit

Notes

%REC

Limits

RPD

%REC

Enthalpy Analytical, Inc. Project: 380064

Result

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 17:02

Reporting

Limit

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control SunStar Laboratories, Inc.

Units

Spike

Level

Source

Result

7 mary to	resur	Limit	Omts	Devel	resure	701CEC	Emmo	МЪ	Limit	110105
Batch 6070520 - EPA 3550 ECD/GC	CMS									
Blank (6070520-BLK1)				Prepared: (07/05/16 A	nalyzed: 0	7/08/16			
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 A	nalyzed: 0°	7/08/16			
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 A	nalyzed: 0	7/08/16			
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.



Enthalpy Analytical, Inc. Project: 380064

806 N. BataviaProject Number: 380064Reported:Orange CA, 92868Project Manager: Ranjit Clarke07/08/16 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.

Vicole Bryson

leceived By: telinquished By: eceived By: lelinquished By: ddress: elinquished By: eceived By: eport Ta: ompany: o Montrose Environmental Group Park Plaza, Suite 1000, Irvine, CA 92614 Illing: Enthalpy - SoCal Phone: (714) 771-6900 Fax: (714)771-9933 ENTHALPY ANALYTICAL, INC. B-2 @ 2' B-9 @ B-6@ 4.5' B-1 @ 4.5 B-6@1.5' B-20 4.5 15107/ B-6@ 3.0' 806 N. Batavia St., Orange, CA 92868 B-9@3.0 151 @ 15t **CUSTOMER INFORMATION** Sample ID . त श्रवम Ocampe, CA Ranjit 657-274-9864 E crehal py ranjity clarke @ enthulpy JUN STON Buckley Ave . Gom Howly tical 6 3 õ 8 06 20 3 0 3 83876 Signature 06/12/16 Sampling Address: P.O. #: Global ID: Name: Sampled By: Number: ろった 3:20 8:35 12:00 11:4 00.0 05:6 Sampling 1И:Зо 24% 305 Time PROJECT INFORMATION Culer Mondelly Mondello Matrix Attention dez Page: Lab No: かったくべい **Print Name** SW = Swab W = Water WP = Wipe 0 = Other PP = Pure Product S = Solid SeaW = Sea Water FL = Food Liquid FS = Food Solid L = Liquid **Chain of Custody Record** Matrix: A = Air .DW = Drinking Water Container No. / Size T3008E Pres. of. Jan Stav Sun Star Som Star Company / Title 2 Day: Analysis Request Standard: رطعن Turn Around Time (Rush by advanced notice only) Preservatives: $1 = Na_2S_2O_3$ $4 = H_2SO_4$ 5 = NaOH 6 = Other 4 Day: 1 Day: 6.30-16 6/30/I /30// Test Instructions / Comments ó Date / Time 7161436 3 Day: 2=HCl 3=HNO3 Same Day: るたっ 23.2

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ıy: Same Day:	1 Day:	2 Day:	6	of	۲	Page:			⁻ ax; (714)771-9933	Phone: (714) 771-6900 Fax; (714)771-9933
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A 92868 A 92868 Lab No: 3800644 Standard: 4 Day: 3 14)771-9933 Page: 3 of 6 2 Day: 1 Day: 5 Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid Preservatives: 1 = Na ₂ S ₂ O ₃ PP = Pure Product S = Solid SeaW = Sea Water P = Wipe O = Other PAGE: 3 of 6 2 Day: 1 Day: 5 SW = Swab W = Water WP = Wipe O = Other	Test Instructions / Comments	ist	Analysis Reque			DRMATION	JECT INFO	PRC		VEORMATION	CUSTOMER IN	
Lab No: 38 00 64 Standard: 4 Day: 3 14)771-9933 Page: 3 of 6 2 Day: 1 Day: 5 Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid Preservatives: 1 = Na ₂ S ₂ O ₃ PP = Pure Product S = Solid SeaW = Sea Water 4 = H ₂ SO ₄ 5 = NaOH			0 = Other	= Wipe	Vater	N = Swab W		,		, CA 92614	suite 1000, Irvine	Plaza,
St., Orange, CA 92868 Lab No: 38006H Standard: 4 Day: 4 900 Fax: (714)771-9933 Page: 3 of 6 2 Day: 1 Day: 1 Matrix: A = Air DW = Drinking Water	$1 = Na_2S_2O_3$ $O_4 $	Preservatives $4 = H_2$	= Liquid ea Water			FL = Food Liqu P = Pure Produ		5		iroup	Environmental 6	ontrose
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Test Instructions / Comments	Analysis Request	PROJECT INFORMATION:	PROJE	CUSTOMER INFORMATION	CUSTOMER
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Preservatives: $1 = Na_2S_2O_3$ $2 = HCi$ $3 = \overline{H}NO_3$.	afer ,	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liqu PP = Price Product S = Solid SeaW = Sea W	NTHALPY	Group	o Montrose Environmental Group
1 Day: Same Day:	6 2 Day:	Page: 4 of		Fax: (714)771-9933	Phone: (714) 771-6900 Fax: (714)771-9933
4 Day: 3 Day:	Standard:	Lab No: 380064		ange, CA 92868	806 N. Batavia St., Orange, CA 92868
Turn Around Time (Rush by advanced notice only)		Chain of Custody Record		YTICAL, INC.	ENTHALPY ANALYTICAL, INC.

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Test Instructions / Comments	est	Analysis Request			INFORMATION	PROJECT INFO	PRO		CUSTOMER INFORMATION	CUSTOMER I
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1 = Na ₂ S ₂ O ₃	Preservatives:	ater Liquid	Drinking W	FS = Foo	Watrix: A = A FL = Food Liquid		JAI PY		iroup	o Montrose Environmental Group
Pay: Same Day:	1 Day:	2 Day:	6	g g	W	Page:			Fax: (714)771-9933	8
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Fax; (714)771-9933			Page:	5-	of		Day:		L Day:	Sa	me Day:	
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		A 92868 14)771-9933 RMATION A Abultical Chacke @ Enthales ankley have "form CA 92868 4-9864 Sampling Date Signature Signature	A 92868 14)771-9933 ENTHAL RMATION Analytical Name: CAcke @ Enthalpy, P.O. #: LACK 9.2868 Global ID: Sampling Sampled By: Sampl	A 92868 I4)771-9933 ENTHALPY RMATION Analytical Name: Analytical Number: Chacke & Enthaley P.O.#: LA 92868 4-9864 GlobaliD: Sampling Sampling Sampling Date Time Signature Signature Analytical Number: PROJECT IN Address: PROJECT IN Page Page Page Page Page Page Page Project Project I in a i y t i c a i, i n c. PROJECT IN PROJ	A 92868 I4)771-9933 ENTHALPY PAGE RMATION An a lytical, inc. Ancke @ enthales, P.O. #: LAcke @ enthales, P.O. #: LAcke @ enthales, P.O. #: LAcke @ enthales, P.O. #: Sampling Sampling Sampling Date Time Signature Signature An All Sign	A 92868 14)771-9933 ENTHALPY PAGE IMATION An a lytical, inc. Ancke @ enthalpy Address: CA 92868 H-9864 Bampling Sampling Address Signature Matr Time Signature Address Addres	A92868 IAD NO: 380064 IAD NO: 380064 IAD NO: 380064 Page: 6 of 6 IAD NOTICE OF THE Product Second Solid Level INVATION PROJECT INFORMATION PROJECT INFORMATION PROJECT INFORMATION And 1-3616 IAD NO-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	A22868 A1771-9933 A1771-9934 A1771-9933 A1771-9934 A1771-9933 A23868 A771-9933 ENTITHALIPY ENTITHALIPY ENTITHALIPY BENT ALIPY CANARA ARIA ARIA ARIA (ALIPATEDEN ARIA) AND EDITION Marne: FIL FOOT INFORMATION PROJECT INFORMATION PROJECT INFORMATION Analysis Request A	A22868 A22868 A22869 A	Lab No: 38 00 6 L+ Standard: ADAY 1 Day: Lab No: ADAY ADAY	Lab No. \$8 00 6 14 Structard; 4 Day; 3 Day; 1 Day; 3 Day; 1 Day; 2 Day; 1 Day; 3	

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:	T161436			
Client Name:	ENTHALDY	Project:		388064
Delivered by:		tar Courier GSO	☐ FedEx	Other
If Courier, Received by:	KYLER	Date/Time Received:	· .	630-(6 8:50
Lab Received by:	DAN	Date/Time Received:	Lab	6:20:16 9:43
Total number of coolers r	eceived: O			•
Temperature: Cooler #1	ъ. 8 °C +/- the CI	F(-0.2°C) = 3.6°	°C correcte	d temperature
Temperature: Cooler #2	°C +/- the Cl	$F(-0.2^{\circ}C) =$	°C correcte	ed temperature
Temperature: Cooler #3	°C +/- the CI	F (- 0.2°C) =	°C correcte	ed temperature
Temperature criteria = (no frozen containers)	≤6°C	Within criteria?	∠Yes	□No
If NO:		· .	· · · · · · · · · · · · · · · · · · ·	
	•		\(\text{No} \rightarrow	
Samples received	f on ice?	□Yes		Non-Conformance Sheet
1	l on ice? s received same day	☐Yes → Acceptable	Complete □No →	Non-Conformance Sheet Non-Conformance Sheet
If on ice, samples	s received same day		Complete □No →	
If on ice, samples collected?	s received same day		Complete □No → Complete	Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co	s received same day poler/sample		Complete ☐No → Complete ☐Yes	Non-Conformance Sheet No* N/A
If on ice, samples collected? Custody seals intact on consumple containers intact	s received same day cooler/sample in of Custody IDs		Complete □No → Complete □Yes □Yes	Non-Conformance Sheet No* N/A No*
If on ice, samples collected? Custody seals intact on consumers intact Sample labels match Characteristics.	s received same day cooler/sample in of Custody IDs ars received match COC	□Yes → Acceptable	Complete No → Complete Yes Yes Yes	Non-Conformance Sheet No* No* No*
If on ice, samples collected? Custody seals intact on consumers intact Sample containers intact Sample labels match Cha	s received same day cooler/sample in of Custody IDs ers received match COC d for analyses requested	□Yes → Acceptable on COC	Complete No → Complete Yes Yes Yes Yes Yes	Non-Conformance Sheet No* No* No* No*
If on ice, samples collected? Custody seals intact on consumers intact Sample containers intact Sample labels match Cha Total number of container Proper containers receive	ooler/sample in of Custody IDs ers received match COC ed for analyses requested ated on COC/containers ved in good condition wi	□Yes → Acceptable on COC for analyses requested ith correct temperatures,	Complete No → Complete Yes Yes Yes Yes Yes Yes	Non-Conformance Sheet No* No* No* No* No*
If on ice, samples collected? Custody seals intact on consummer containers intact Sample labels match Cha Total number of container Proper containers receive Proper preservative indic Complete shipment receive containers, labels, volume	ooler/sample in of Custody IDs ors received match COC of for analyses requested ated on COC/containers ved in good condition with	on COC for analyses requested ith correct temperatures, nin method specified	Complete No → Complete Yes Yes Yes Yes Yes Yes Yes	Non-Conformance Sheet No* No* No* No* No* No* No* No* No* No
If on ice, samples collected? Custody seals intact on consumple containers intact Sample labels match Char Total number of container Proper containers receive Proper preservative indic Complete shipment receive containers, labels, volume holding times	ooler/sample in of Custody IDs ors received match COC of for analyses requested ated on COC/containers ved in good condition with	on COC for analyses requested ith correct temperatures, nin method specified	Complete No → Complete Yes Yes Yes Yes Yes Yes Yes	Non-Conformance Sheet No* No* No* No* No* No* No* No* No* No

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	Test Instructions / Comments	st	Analysis Request	An)	PROJECT INFORMATION	CT INFO	PROJE	•	CUSTOMER INFORMATION	USTOMER IN	C
	204		ther	= Wipe O = Other	WP		SW	ical, inc.	analyt	CA 92614	te 1000, Irvine,	1 Park Plaza, Suite 1000, Irvine, CA 92614
	Preservatives: $1 = \text{Na}_2 \text{S}_2 \text{O}_3$ $2 = \text{HCl}$ $3 = \text{HNO}_3$ $4 = \text{H}_2 \text{SO}_2$ $5 = \text{NaOH}$ $6 = \text{Other}$	Preservatives:	iid ater	Solid L=Liquid		FL = Food Liquid FS	ρρ	HALPY	ENT.	roup	าvironmental Gi	:/o Montrose Environmental Group
				Drinking Water		Matrix: A = Air DW =					-SoCal	3illing: Enthalpy - SoCal
	Same Day:	1 Day:	2 Day:	1 21	of		Page:			Fax: (714)771-9933		Phone: (714) 771-6900
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·	Turn Around Time (Rush by advanced notice only)	ound Time (Ru	Turn Aı	d.	y Recor	Chain of Custody Record)			ENTHALPY ANALYTICAL, INC.	PY ANALY	ENTHA
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Printed: 7/1/2016 11:41:28AM



WORK ORDER

T161436

Client: Enthalpy Analytical, Inc. Project Manager: Nicole Bryson

Project: 380064 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)

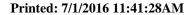
Received By: Dan Marteski Date Received: 06/30/16 09:43 Logged In By: Brian Charon Date Logged In: 06/30/16 10:03

Samples Received at: 3.6°C

Custody Seals No Received On Ice Yes

COC/Labels Agree Yes
Preservation Confir No

Analysis	Due	TAT	Expires	Comments
T161436-01 B1 @ 3' [Soil (US &	Sampled 06/22/16 08:	:35 (GMT-	08:00) Pacific Time	,
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' [So (US &	oil] Sampled 06/22/16 0	8:45 (GMT	Γ-08:00) Pacific Tin	ne
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 (US &	[] Sampled 06/22/16 09:	:00 (GMT-	08:00) Pacific Time	•
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' [So (US &	oil] Sampled 06/22/16 0	9:20 (GMT	Γ-08:00) Pacific Tin	ne
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	

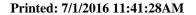




T161436

Client:Enthalpy Analytical, Inc.Project Manager:Nicole BrysonProject:380064Project Number:380064

Analysis	Due	TAT	Expires	Comments
T161436-05 B6 @ 1.5' [So (US &	oil] Sampled 06/22/16 1	2:00 (GMT	Γ-08:00) Pacific Ti	me
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' [So (US &	oil] Sampled 06/22/16 1	2:06 (GMT	Γ-08:00) Pacific Ti	me
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' [So (US &	oil] Sampled 06/22/16 1	2:17 (GMT	Γ-08:00) Pacific Ti	me
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' [So (US &	oil] Sampled 06/22/16 1	3:20 (GMT	Γ-08:00) Pacific Ti	me
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' [So (US &	oil] Sampled 06/22/16 1	4:23 (GMT	Γ-08:00) Pacific Ti	me
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' [So (US &	oil] Sampled 06/22/16 1	4:30 (GMT	Γ-08:00) Pacific Ti	me
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' [So (US &	oil] Sampled 06/22/16 1	4:34 (GMT	Γ-08:00) Pacific Ti	me
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	

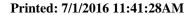




T161436

Client:Enthalpy Analytical, Inc.Project Manager:Nicole BrysonProject:380064Project Number:380064

Analysis	Due	TAT	Expires	Comments
T161436-12 B9 @ 6' [So	il] Sampled 06/22/16 14:	40 (GMT-0	08:00) Pacific Tim	e
(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	
0270C 1741 5HVI	07/07/10 15.00		07/00/10 14.40	
T161436-13 B9 @ 7.5' [S (US &	Soil] Sampled 06/22/16 1	4:45 (GMT	Г-08:00) Pacific Ti	me
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' Time (US &	[Soil] Sampled 06/22/16	14:57 (GM	TT-08:00) Pacific	
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	
(US & 8015 Carbon Chain 8081 Pesticides	07/07/16 15:00 07/07/16 15:00	4	07/06/16 15:45 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 (GN	MT-08:00) Pacific	
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Time (US & 8015 Carbon Chain 8081 Pesticides 8270C PAH SIM	07/07/16 15:00 07/07/16 15:00 07/07/16 15:00 [Soil] Sampled 06/23/16 07/07/16 15:00	4 4 4 6 08:46 (GN	07/06/16 16:03 07/06/16 16:03 AT-08:00) Pacific 07/07/16 08:46	
Time (US & 8015 Carbon Chain 8081 Pesticides 8270C PAH SIM T161436-17 B-13 @ 1.5' Time (US & 8015 Carbon Chain 8081 Pesticides 8270C PAH SIM T161436-18 B-13 @ 3' [S	07/07/16 15:00 07/07/16 15:00 07/07/16 15:00 [Soil] Sampled 06/23/16 07/07/16 15:00 07/07/16 15:00 07/07/16 15:00	4 4 4 5 08:46 (GM 4 4 4	07/06/16 16:03 07/06/16 16:03 AT-08:00) Pacific 07/07/16 08:46 07/07/16 08:46 07/07/16 08:46	me
Time (US & 8015 Carbon Chain 8081 Pesticides 8270C PAH SIM T161436-17 B-13 @ 1.5' Time (US & 8015 Carbon Chain 8081 Pesticides	07/07/16 15:00 07/07/16 15:00 07/07/16 15:00 [Soil] Sampled 06/23/16 07/07/16 15:00 07/07/16 15:00 07/07/16 15:00	4 4 4 5 08:46 (GM 4 4 4	07/06/16 16:03 07/06/16 16:03 AT-08:00) Pacific 07/07/16 08:46 07/07/16 08:46 07/07/16 08:46	me
Time (US & 8015 Carbon Chain 8081 Pesticides 8270C PAH SIM T161436-17 B-13 @ 1.5' Time (US & 8015 Carbon Chain 8081 Pesticides 8270C PAH SIM T161436-18 B-13 @ 3' [S (US & 1988)]	07/07/16 15:00 07/07/16 15:00 07/07/16 15:00 [Soil] Sampled 06/23/16 07/07/16 15:00 07/07/16 15:00 07/07/16 15:00 07/07/16 15:00	4 4 4 5 08:46 (GM 4 4 4 08:50 (GMT	07/06/16 16:03 07/06/16 16:03 MT-08:00) Pacific 07/07/16 08:46 07/07/16 08:46 07/07/16 08:46 Γ-08:00) Pacific Ti	me





T161436

Client: Enthalpy Analytical, Inc.

Project Manager: Nicole Bryson

Project: 380064

Project Number: 380064

Analysis	Due	TAT	Expires	Comments
T161436-19 B-13 @ 6' [Set US &	oil] Sampled 06/23/16 0	9:00 (GMT	Г-08:00) Pacific Tir	me
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 [S Time (US &	Soil] Sampled 06/23/16	09:31 (GM	IT-08:00) Pacific	
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' [Time (US &	[Soil] Sampled 06/23/16	5 09:47 (GN	AT-08:00) Pacific	
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 [S Time (US &	Soil] Sampled 06/23/16	09:53 (GM	IT-08:00) Pacific	
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' [Set US &	oil] Sampled 06/23/16 1	0:00 (GMT	Г-08:00) Pacific Tir	me
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' [Time (US &	[Soil] Sampled 06/23/16	5 10:12 (GN	AT-08:00) Pacific	
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' [Time (US &	[Soil] Sampled 06/23/16	5 10:40 (GN	ЛТ-08:00) Pacific	
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	





T161436

Client:Enthalpy Analytical, Inc.Project Manager:Nicole BrysonProject:380064380064

Analysis	Duo	тат	Evnince	Comments	
Analysis	Due Due	TAT	Expires	Comments	
T161436-26 B-17 @ 4.5' Time (US &	[Soil] Sampled 06/23/16	5 10:50 (GM	IT-08:00) Pacifi	c	
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' Time (US &	[Soil] Sampled 06/23/16	5 11:00 (GM	IT-08:00) Pacific	e	
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' [S	Soil] Sampled 06/23/16 1	1:05 (GMT	Γ-08:00) Pacific 7	Гіте	
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' [S	Soil] Sampled 06/23/16 1	1:25 (GMT	Γ-08:00) Pacific 7	Гіте	
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' Time (US &	[Soil] Sampled 06/23/16	5 11:30 (GM	IT-08:00) Pacifi	e	
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' Time (US &	[Soil] Sampled 06/23/16	5 11:40 (GM	IT-08:00) Pacific	e	
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' [S	Soil] Sampled 06/23/16 1	1:45 (GMT	Γ-08:00) Pacific 7	Гіте	
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		





T161436

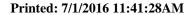
Client: Enthalpy Analytical, Inc.

Project Manager: Nicole Bryson

Project: 380064

Project Number: 380064

Analysis	Due	TAT	Expires	Comments
T161436-33 B-19 @ 1.5' [S Time (US &	Soil] Sampled 06/23/16	5 12:05 (GM	ЛТ-08:00) Pacific	
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' [S Time (US &	Soil] Sampled 06/23/16	5 12:15 (GM	ЛТ-08:00) Pacific	
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' [S Time (US &	Soil] Sampled 06/23/16	5 13:55 (GM	ЛТ-08:00) Pacific	
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' [S Time (US &	Soil] Sampled 06/23/16	5 14:45 (GM	ЛТ-08:00) Pacific	
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' [S Time (US &	Soil] Sampled 06/23/16	5 14:50 (GM	AT-08:00) Pacific	
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' [S Time (US &	Soil] Sampled 06/23/16	5 14:59 (GM	ЛТ-08:00) Pacific	
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' [S Time (US &	Soil] Sampled 06/23/16	5 15:15 (GM	ЛТ-08:00) Pacific	
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	





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' Time (US &	[Soil] Sampled 06/23/16	5 15:20 (GN	ЛТ-08:00) Pacific	
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' Time (US &	[Soil] Sampled 06/23/16	5 15:30 (GN	ЛТ-08:00) Pacific	
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' Time (US &	[Soil] Sampled 06/23/16	5 16:04 (GN	ЛТ-08:00) Pacific	
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' Time (US &	[Soil] Sampled 06/23/16	5 16:10 (GN	ЛТ-08:00) Pacific	
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' Time (US &	[Soil] Sampled 06/23/16	5 16:15 (GN	ЛТ-08:00) Pacific	
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' Time (US &	[Soil] Sampled 06/23/16	5 16:22 (GN	ЛТ-08:00) Pacific	
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' Time (US &	[Soil] Sampled 06/24/16	6 07:41 (GN	ЛТ-08:00) Pacific	
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	

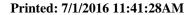


T161436

Client:Enthalpy Analytical, Inc.Project Manager:Nicole BrysonProject:380064Project 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 (US &] Sampled 06/24/16 0	9:06 (GMT	Γ-08:00) Pacific Tin	ne		
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 (US &] Sampled 06/24/16 0	9:20 (GMT	Γ-08:00) Pacific Tin	ne		
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' [S Time (US &	Soil] Sampled 06/24/1	.6 09:25 (G	MT-08:00) Pacific			
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' [So Time (US &	il] Sampled 06/24/16	09:30 (GM	IT-08:00) Pacific			
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' [So Time (US &	oil] Sampled 06/24/16	5 09:58 (GN	ЛТ-08:00) Pacific			
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 (US &	Sampled 06/24/16 1	1:05 (GMT		ne		
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			

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T161436

Client: Enthalpy Analytical, Inc. Project Manager: Nicole Bryson

Project: 380064 Project Number: 380064

Analysis Due TAT Expires Comments

Reviewed By Date Page 9 of 9

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".