



Subsurface Assessment

**Riverwalk Phase 1
Assessor's Parcel Numbers
436-611-06 and -29 and 436-650-14,
and Portions of 437-240-26, -27, -28,
and -29
Portions of 5905 Friars Road and
1150 Fashion Valley Road
San Diego, California**

Presented to:

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October 20, 2014
Project Number: 01214245.00

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Mr. Rick Westberg
Related California
18201 Von Karman Avenue, Suite 900
Irvine, California 92612

Subject: Subsurface Assessment

**Site: Riverwalk Phase 1
Assessor's Parcel Numbers (APNs) 436-611-06 and -29, 436-650-14, and
Portions of 437-240-26, -27, -28, and -29
Portions of 5905 Friars Road and 1150 Fashion Valley Road
San Diego, California**

Dear Mr. Westberg:

SCS Engineers (SCS) is pleased to present this report (Report) of the subsurface assessment activities (Assessment) of the above-described Site. This Report summarizes the results of the Assessment that was conducted in order to evaluate a former underground storage tank, a clarifier, and current and former potential usage of pesticides at the Site. The work described in this Report was performed by SCS in general accordance with the Environmental Services Agreement (Contract) and Amendment 1 to the Environmental Services Agreement (Amendment) between SCS and Related California (Client). The Contract is dated August 1, 2014, and the Amendment is dated September 9, 2014.

SCS enjoyed working with you on this project. Providing economical solutions to meet your needs is more than our goal, it is our mission and the measure of our success. If we may assist you in any way, now or in the future, please do not hesitate to call our office at (858) 571-5500.


Sincerely,



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1 BACKGROUND

SCS Engineers (SCS) understands that the site is currently identified as 5905 Friars Road (formerly known as 5900 Friars Road) and 1150 Fashion Valley Road, San Diego, California with Assessor's Parcel Numbers (APNs) 436-611-06 and -29 and 436-650-14, and portions of 437-240-26, -27, -28, and -29 (Site). The Site (identified by the Client as Phase 1) is developed primarily as a golf course, identified as Riverwalk Golf Club, and encompasses the areas of the golf course located north of the San Diego Metropolitan Transit Development System (MTDS)/trolley right-of-way. It was reported that the Client is proposing to purchase and develop the Site into various land uses including residential and mixed-use. The Client reported that Site soil grading is anticipated to balance, and no soil export is proposed at this time.

SCS recently prepared a draft report for the Site titled "Phase I Environmental Site Assessment," dated September 9, 2014 (Phase I ESA), which provided the following conclusions and/or recommendations in connection with the Site:

- Inground wastewater clarifier. SCS recommends that subsurface assessment activities be conducted (e.g., soil sampling and analysis).
- Historical and current use of pesticides and herbicides at the Site. SCS recommends that subsurface assessment activities be conducted (e.g., soil sampling).
- One 2,000-gallon gasoline underground storage tank (UST) and one 550-gallon waste oil UST were reportedly removed from the Site on February 1, 1988. It was reported that the soil in the vicinity of the removed USTs was impacted with gasoline. A sample of groundwater collected from the open excavation reportedly contained high levels of hydrocarbon components. The County of San Diego, Department of Health Services (DHS) opened an unauthorized release case in May 1988. On March 9, 1989, DHS issued a letter indicating that remedial action took place and contaminated soil was removed from the excavation. Information regarding confirmation sampling was not included in the files reviewed. DHS requested that groundwater be monitored for 1 year. No additional information regarding groundwater monitoring was included in the files reviewed. This lack of information is considered a data gap, which could potentially be addressed by additional information or reports. Based on the information reviewed, SCS cannot assess whether a recognized environmental condition exists at the Site as a result of the known release that occurred at the former USTs. In the absence of adequate information, SCS recommends that subsurface assessment activities be conducted (e.g., soil and/or groundwater sampling and analysis).

Based on conversations with the Client, SCS developed a subsurface investigation scope of work to assess certain potential recognized environmental conditions at the Site (soil and ground water sampling in connection with the former USTs, soil samples in connection with the inground wastewater clarifier, and soil samples in connection with potential historical use of organochlorine- and metals-based pesticides, and chlorinated herbicides at the golf course and former agricultural areas of the property). The objective, scope of work, results and conclusions of this investigation are presented below.

2 OBJECTIVES

The objectives of the proposed scope of services were to:

- Assess the possible presence and concentrations of petroleum products and volatile organic compounds (VOCs) in the soil and groundwater beneath the Site in connection with former USTs located at the northwest area of the Site.
- Assess the possible presence and concentrations of petroleum hydrocarbons and VOCs in the shallow soil beneath the Site in connection with the current inground wastewater clarifier system.
- Assess the possible presence of organochlorine pesticides, chlorinated herbicides, and arsenic (for arsenical pesticides) in the shallow soil at the Site in connection with historical and current use of pesticides at the Site.

3 SCOPE OF SERVICES

PREPARATION FOR FIELDWORK

Preparation of Health and Safety Plan

A health and safety plan for work conducted at the Site and workers within the “exclusion zone” is required pursuant to the regulations found in 29 Code of Federal Regulations Part 1910.120 and California Code of Regulations (CCR), Title 8, Section 5192. Therefore, a health and safety plan was prepared for the proposed work scope, which outlined the potential chemical and physical hazards that may be encountered during drilling, hand augering, and sampling activities. The appropriate personal protective equipment and emergency response procedures for the anticipated Site-specific chemical and physical hazards were detailed in this plan. SCS personnel involved with the field work were required to read and sign this document in order to encourage proper health and safety practices.

Utility Search and Markout

SCS notified Underground Service Alert as required by state law, and Ticket Number A42580387 was issued. These procedures were designed to minimize the likelihood of drilling into a subsurface utility. In addition, a private utility locator, Accutech Services, was retained to clear boring locations. These procedures were designed to minimize the likelihood of drilling into a subsurface utility.

Boring Permits

As two borings were intended to be advanced to groundwater, boring permits were required. SCS prepared and submitted the necessary boring permit application and the appropriate fees to the

County of San Diego. The County of San Diego issued Boring Construction Permit #LMWP001284 on September 11, 2014 (Appendix A).

FIELD ACTIVITIES

Subsurface Investigation of Clarifier and Former USTs

To assess the former USTs and existing clarifier at the northwest portion of the Site, a total of five borings were advanced at the Site on September 18, 2014, with a limited-access and/or truck-mounted, direct-push drilling rig to depths ranging from 8 feet down to approximately 30 feet below ground surface (bgs) (Figures 2a and 2b). A description of the boring locations, sample depths, and laboratory analyses are presented in the table below:

Sample Identifier	Location	Soil Sample Depths	Laboratory Analysis	Number of Samples Analyzed
B1	Borings were advanced in close proximity to the former USTs excavation ¹	5, 10, 15, and 19.5 feet bgs	The soil samples collected at 5, 15, and 19.5 feet below grade were analyzed for TPH and VOCs	3 TPH 3 VOCs
B2		5, 10, 15, 20, 25, and 30 feet bgs	The soil samples collected at 5, 15, and 25 feet below grade were analyzed for TPH and VOCs	3 TPH 3 VOCs
B3		5, 10, and 15 feet bgs	The soil samples collected at 5, 10, and 15 feet below grade were analyzed for TPH and VOCs	3 TPH 3 VOCs
B4		5, 10, and 15 feet bgs	The soil samples collected at 5, 10, and 15 feet below grade were analyzed for TPH and VOCs	3 TPH 3 VOCs
B5	The boring was advanced in close proximity to the current inground wastewater clarifier system	3 and 8 feet bgs	Soil samples were analyzed for TPH and VOCs	2 TPH 2 VOCs

Notes:

TPH: Total petroleum hydrocarbons full range analyzed in general accordance with U.S. Environmental Protection Agency (EPA) Method 8015B

VOCs: Volatile organic compounds in general accordance with EPA Method 8260B

An SCS Senior Project Professional, under the supervision of a California state-certified Professional Geologist, was on-Site to observe the drilling activity and log the borings (Appendix B). Soil samples were described in general accordance with the Unified Soil Classification System.

A truck-mounted, direct-push drilling rig was used to advance soil borings B1 to B4 (former USTs) and a limited access drilling rig was used to advance soil boring B5 (clarifier). Soil samples were collected from each boring with a direct-push sampler for analysis and lithologic logging purposes. Between sampling events, the sampler was decontaminated with a

¹ Boring locations were selected based on the Department of Environmental Health records and maps review conducted by SCS on August 11, 2014.

water/Alconox™ solution wash and two tap water rinses. Soil samples were driven into acetate sleeves. The ends of the acetate sleeves were covered with Teflon™ sheeting and tightly closed with end caps for handling and transportation activities. The sample containers were labeled and packed in ice-filled coolers.

Groundwater was not encountered at the maximum proposed depths drilled at the Site, therefore, groundwater samples were not collected.

Upon completion, the borings were backfilled with hydrated bentonite granules and completed at the surface with appropriate patching.

A summary of the laboratory results from the soil samples analyzed is presented (Table 3). A copy of the laboratory report is provided (Appendix C).

Subsurface Investigation for Pesticides

On September 18 and 19, 2014, a total of 18 soil borings (SB1 through SB18) were advanced at the Site with the use of a truck-mounted, direct-push drilling rig to assess possible presence of organochlorine pesticides, chlorinated herbicides, and arsenic (for arsenical pesticides) in the shallow soil at the Site in connection with historical and current use of pesticides at the Site (Figures 2a and 2b). Soil sampling was conducted in representative current golf green areas and former agricultural areas in a semi-grid pattern. Soil samples were collected from each boring location at depths of approximately 0.5, 1.5, and 3.0 feet bgs.

Soil samples were collected from each boring with a direct-push sampler for analysis. Between sampling events, the sampler was decontaminated with a water/Alconox™ solution wash and two tap water rinses. Soil samples were driven into acetate sleeves. The ends of the acetate sleeves were covered with Teflon™ sheeting and tightly closed with end caps for handling and transportation activities. The sample containers were labeled and packed in ice-filled coolers.

The soil samples were submitted to American Scientific Laboratories, a state-accredited environmental laboratory, and selected samples were analyzed for the following:

- Fourteen soil samples were analyzed for TPH (in general accordance with EPA Method 8015B)
- Fourteen soil and samples were analyzed for VOCs (in general accordance with EPA Method 8260B).

A summary of the laboratory results from the soil samples analyzed is presented (Tables 1, 2, and 4). A copy of the laboratory report is provided (Appendix C).

4 FINDINGS

TOPOGRAPHY, GEOLOGY, HYDROGEOLOGY, AND WATER QUALITY SURVEY

Topography

A topographic map for the Site vicinity was reviewed and is summarized in the following table:

Reported Elevation	Approximately 20 to 30 feet above mean sea level
Reported Slope Direction	Slopes down to the southwest
Source	United States Geological Survey 7.5 Minute Topographic Map, La Jolla, California - San Diego County, 1967, photo-revised 1975

Geology

The geology of the Site as observed during sampling activities is summarized below along with the reported Site vicinity formation information derived from the below referenced source:

Reported and Observed Formation	1 to 5 feet thick of compacted fill, underlain by Quaternary Alluvium
Reported and Observed Description	Fill soils and Quaternary Alluvium were both observed and reported to generally consist of clayey, silty sand with varying amounts of gravel and cobbles.
Source	Geologic Map of the San Diego 30x60 Quadrangle, California, Kennedy, Michael P., and Tan, Siang S, United States Geological Survey, 2005

Hydrogeology

Based on a review of a Department of Environmental Health (DEH) Closure Letter in connection to the removal of USTs in the Site vicinity, *Unauthorized Release Case #H05129-002, ARCO Facility 3052, 6899 Friars Road, San Diego, California*, dated April 15, 2010, the depth to groundwater at this facility was reported to range from 20 to 37 feet below grade, and the groundwater flow direction was reported to be southwest. The actual depth to groundwater and flow direction at the Site may be different. Groundwater was not encountered during this sampling event to the maximum depth drilled of 30 feet below grade.

Water Quality Survey

The following table summarizes the reported water quality in the Site vicinity:

Reported Hydrologic Subarea	Mission San Diego (907.11)
Reported Hydrologic Area	Lower San Diego (907.1)
Reported Hydrologic Unit	San Diego (907)
Reported Beneficial Use	Agricultural and Industrial, and potentially Municipal

Source	California RWQCB, San Diego Region, <i>Water Quality Control Plan for the San Diego Basin</i> , September 8, 1994, with amendments effective prior to April 25, 2007.
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LABORATORY ANALYTICAL RESULTS

The reported analytical results for soil samples collected on September 18 and 19, 2014, are depicted (Figures 2a and 2b) and tabulated (Tables 1, 2, 3, and 4).

TPH

No detectable concentrations of TPH were reported in any of the 14 soil samples analyzed.

VOCs

No detectable concentrations of VOCs were reported in any of the 14 soil samples analyzed.

Pesticides

The analytical results for soil samples with reported concentrations of organochlorine pesticides and chlorinated herbicides above the laboratory reporting limits, and arsenic above the laboratory reporting limits are summarized below.

Sample Identifier	Depth (feet bgs)	Organochlorine Pesticides (EPA Method 8081A) (µg/kg)					
		Gamma-Chlordane	Alpha-Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin
SB1-0.5	0.5	9.44	14.8	<4	16.3	23.4	<4
B2-0.5	0.5	3.81	3.50	<4	12.2	<4	4.23
CHHSL² (µg/kg)		430	430	2,300	1,600	1,600	35
RSL³ (µg/kg)		1,800	1,800	2,200	1,600	1,900	33

Notes:

4,4'-DDD= 4,4'-dichlorodiphenyldichloroethane

4,4'-DDE= 4,4'-dichlorodiphenyldichloroethylene

4,4'-DDT= 4,4'-dichlorodiphenyltrichloroethane

Soil samples analyzed for organochlorine pesticides (OCPs) according to EPA Method 8081A

Depth in feet below ground surface (feet bgs)

OCPs reported in micrograms per kilogram (µg/kg)

<: concentration less than the indicated laboratory reporting limit

² California Human Health Screening Levels (CHHSL): California Environmental Protection Agency screening concentrations of 54 hazardous chemicals, established to be protective for humans (lifetime cancer risk of 10⁻⁶ and a noncancer hazard quotient of 1.0) under standard exposure scenarios. Dated January 2005.

³ Regional Screening Level (RSL): Environmental Protection Agency (EPA) risk-based concentrations derived from standardized equations combining exposure information assumptions with toxicity data, dated May 2014. RSLs are considered by the EPA to be protective for humans (including sensitive groups) over a lifetime.

Arsenic

Sample Identifier	Depth (feet bgs)	EPA Method 6010B
		Arsenic (mg/kg)
SB1-0.5	0.5	9.79
SB2-0.5	0.5	5.12
SB2-1.5	1.5	7.37
SB3-0.5	0.5	3.50
SB3-3.0	3.0	6.36
SB4-0.5	0.5	3.48
SB5-0.5	0.5	1.55
SB5-1.5	1.5	0.918
SB6-0.5	0.5	5.70
SB7-0.5	0.5	1.43
SB8-0.5	0.5	10.5
SB8-1.5	1.5	4.35
SB9-0.5	0.5	11.3
SB9-1.5	1.5	14.4
SB9-3.0	3.0	5.58
SB10-0.5	0.5	3.19
SB11-0.5	0.5	2.39
SB11-3.0	3.0	3.63
SB12-0.5	0.5	4.14
SB12-3.0	3.0	8.39
SB13-0.5	0.5	3.84
SB14-0.5	0.5	2.73
SB-15-0.5	0.5	<0.250
SB16-0.5	0.5	0.345
SB17-0.5	0.5	21.0
SB17-1.5	1.5	34.9
SB17-3.0	3.0	6.66
SB18-0.5	0.5	8.69
SB19-0.5	0.5	0.569
SB19-1.5	1.5	0.475
Residential CHHSL (mg/kg)		0.07
Residential RSL (mg/kg)		0.67
Department of Toxic Substances Control (DTSC) Background Level⁴ (mg/kg)		12

Notes:

⁴ *Determination of a Southern California Regional Background Arsenic Concentration in Soil, Chernoff, G., Bosan, W., Oudiz, D., and California Department of Toxic Substances Control, 2008 Society of Toxicology Annual Meeting..*

Soil samples analyzed for arsenic according to EPA Method 6010B
Depth in feet below ground surface (feet bgs)
Arsenic reported in milligrams per kilogram (mg/kg)
Bold numbers indicate samples detected above the DTSC Background Level

5 DISCUSSION

FORMER USTS

No detectable concentrations of TPH or VOCs were reported in the soil samples collected in the vicinity of the former USTs excavation. Therefore, there is a low likelihood that significant residual petroleum hydrocarbons are left in place from the previous release reported at the Site.

PESTICIDES

Risk-Based Screening Criteria

A guidance document regarding the use of CHHSLs (*Use of California Human Health Screening Levels [CHHSLs] in Evaluation of Contaminated Properties*) has been developed by the California Environmental Protection Agency. The CHHSLs can be used to screen sites for potential human health concerns where releases of hazardous chemicals to soils have occurred. Under most circumstances, and within the limitations described in this document, the presence of a chemical in soil, soil gas, or indoor air at concentrations below the corresponding CHHSLs can be assumed to not pose a significant health risk to people who may live (residential CHHSLs) at the Site. The presence of a chemical at concentrations in excess of a CHHSL does not indicate that adverse impacts to human health are occurring or will occur but suggests that further evaluation of potential human health concerns is warranted.

An additional guidance document titled *Regional Screening Levels (RSL) Summary Table* (May 2014), has been developed by the EPA to “provide default screening tables and a calculator to assist Remedial Project Managers (RPMs), On Scene Coordinators (OSCs), risk assessors, and others involved in decision making concerning CERCLA hazardous waste sites and to determine whether levels of contamination found at the site may warrant further investigation or site cleanup, or whether no further investigation or action may be required.” According to this document, “It should be emphasized that screening levels (SLs) are not cleanup standards . . . Site-specific information may warrant modifying the default parameters in the equations and calculating site-specific SLs, which may differ from the values in these tables.”

For the purposes of this Assessment, the constituents of concern (CoCs) were conservatively compared to their respective residential CHHSL or RSL, whichever was lower and are further discussed below.

Organochlorine Pesticides

Chlordane

Chlordane was detected above the laboratory reporting limit in 2 of the 25 samples analyzed for OCPs, with a maximum reported concentration of 14.8 µg/kg. No sample concentrations were above the RSL of 1,800 µg/kg or the CHHSL of 430 µg/kg.

Dieldrin

Dieldrin was detected above the laboratory reporting limit in 1 of the 25 samples analyzed for OCPs with a concentration of 4.23 µg/kg. No sample concentrations were above the RSL of 33 µg/kg or CHHSL of 30 µg/kg.

4,4'-DDE

DDE was detected above the laboratory reporting limit in 2 of the 25 samples analyzed for OCPs with a maximum reported concentration of 16.3 µg/kg. No sample concentrations were above the RSL of 1,600 µg/kg or CHHSL of 1,600 µg/kg.

4,4'-DDT

DDT was detected above the laboratory reporting limit in 1 of the 25 samples analyzed for OCPs with a maximum reported concentration of 23.4 µg/kg. No sample concentrations were above the RSL of 1,900 µg/kg or CHHSL of 1,600 µg/kg.

Arsenic

The results of the arsenic analysis of the shallow soil samples indicate that concentrations of arsenic exceed the CHHSL and RSL in most of the samples.

While arsenic concentrations exceed the CHHSL and RSL, arsenic is commonly present in California soils in concentrations that exceed risk criteria under naturally occurring conditions. The residential CHHSL for arsenic is 0.07 mg/kg and the residential RSL for arsenic is 0.67 mg/kg; however, arsenic is known to naturally occur in soil, particularly western United States soils, at concentrations well above the CHHSL and RSL.

Based on a report prepared by the United States Geological Survey (USGS)⁵, the background concentrations of arsenic in the western United States range from 2.8 to 10.9 mg/kg. In another report prepared specifically for California soils⁶, the background concentrations of arsenic in California soil range from 0.6 to 11.0 mg/kg. In an abstract presented by DTSC staff at the 2008 Society of Toxicology Annual Meeting⁷, it was reported that the upper-bound background concentration for arsenic in southern California soil is 12 mg/kg.

⁵ *Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States*, by J. G. Boerngen and H. T. Shacklette, USGS Professional Paper No. 1270, 1984.

⁶ *Background Concentrations of Trace and Major Elements in California Soils*, by G. R. Bradford, et al., Kearny Foundation of Soil Science Division of Agriculture and Natural Resources University of California, March 1996.

⁷ *Determination of a Southern California Regional Background Arsenic Concentration in Soil*, Chernoff, G., Bosan, W., Oudiz, D., and California Department of Toxic Substances Control, 2008 Society of Toxicology Annual Meeting.

The following samples were reported above the DTSC upper-bound background concentration of 12 mg/kg: SB9-1.5, SB17-0.5, and SB17-1.5; however, concentrations were reported to decrease with depth.

The EPA promotes the use of statistical analysis when characterizing soil concentration data. For a given sample population, individual exceedance of a criterion does not, by itself, determine the waste characterization or risk associated with CoCs. For example, the reported concentration of arsenic in sample SB9-1.5 is 14.4 mg/kg. While an average data set may be consistent with background levels, this sample may be indicative of an area of elevated concentrations of arsenic and additional investigation may be recommended. Therefore, SCS used a statistical analysis approach to better understand the data set and significance of the detected concentrations.

The statistical analysis used calculates an upper confidence limit (UCL) of the sample mean and the confidence (expressed as a percentage) in the probability that the actual mean of the concentration in the waste is not higher than the UCL. For human health risk evaluation, the 95 percent UCL is calculated and then compared to the appropriate criterion. For waste characterization, the 80 percent UCL is calculated and then compared to the appropriate criterion.

Twenty-seven samples were evaluated using the EPA ProUCL Version 5.0.00. The 95 percent UCL of the statistical mean for the total arsenic concentrations is 9.89 mg/kg. This value is within the reported range of typical natural background concentrations.

Waste-Based Criteria

It has been SCS' experience that in order for soil to be classified as a regulated or hazardous waste, the soil would need first be considered a waste (e.g., to be excavated and transported off-Site). It is SCS' understanding that the Client does not intend to export soil during redevelopment activities; therefore, waste criteria are not applicable and an evaluation of waste based cleanup criteria was not performed. Should the Client choose to export soil at some later point, additional laboratory analysis would be required for the following waste characterizations.

Hazardous Waste Characterization

For typical dry samples, the total concentration of a CoC in soil (mg/kg) is compared with the Total Threshold Limit Concentration (TTLC) for that CoC. If the concentration exceeds the TTLC, the soil would be characterized as a California-Hazardous waste. The TTLC addresses potential adverse human health concerns from direct exposure to a CoC in waste.

Additionally, to address potential leaching of CoC bearing waste intended for landfill disposal, CoC concentrations are compared to the Soluble Threshold Limit Concentration (STLC). If the total CoC concentration (i.e., OCP or total arsenic concentration) in soil exceeds the STLC by 10 times, the Waste Extraction Test (WET) is performed to create a liquid extract that is analyzed for the CoC. If the concentration of the CoC from the WET exceeds the respective STLC, the soil would be characterized as a California-Hazardous waste.

For federal regulations, if the total concentration of a CoC in the soil equals or exceeds the Maximum Concentration of Contaminants for the Toxicity Characteristic (MCCTC) value by 20 times, a liquid extract of the soil sample is generated by the Toxicity Characteristic Leaching Procedure (TCLP) and the extract is then analyzed for the CoC. The MCCTC/TCLP determination is similar to the STLC/WET, but with a factor of 20. If the result of the analysis of the TCLP extract exceeds the MCCTC, then the soil would be characterized as a Resource Conservation and Recovery Act (RCRA)-Hazardous waste.

Regulated Waste Characterization

The San Diego Regional Water Quality Control Board (RWQCB) has set CoC concentration levels for waste that is below hazardous waste concentrations but above typical background concentrations. Soil that contains CoCs that exceed the RWQCB Tier1 soil screening levels (SSLs) are considered a regulated waste and cannot be transported to an unregulated site as would be done for clean soil. Additional soil sampling and analysis would be required to better delineate the horizontal and lateral limits of soil containing arsenic at concentrations exceeding the RWQCB Tier1 SSL of 3.5 mg/kg and soil with OCPs reported at any concentration, as this soil would be characterized as a regulated waste and would require special handling and disposal at an appropriately permitted facility if transported off-Site.

6 CONCLUSIONS

Based on the data obtained and reviewed as part of this Assessment, laboratory results, and current regulatory guidelines, and SCS' experience and professional judgment, SCS concludes:

- No detectable concentrations of TPH or VOCs were reported in the soil samples collected in the vicinity of the former USTs excavation. Therefore, there is a low likelihood that significant residual petroleum hydrocarbons are left in place from the previous release reported at the Site.
- Chlordane, dieldrin, 4,4'-DDE, and 4,4'-DDT were detected above their respective laboratory reporting limits in 2 (for chlordane), 1 (for dieldrin), 2 (for DDE), 1 (for DDT) out of the 25 samples analyzed for OCPs, respectively; however, no samples were above their respective RSLs or CHHSLs.
- The results of the arsenic analysis of the shallow soil samples indicate that concentrations of arsenic (ranging from less than the laboratory reporting limit to 34.9 mg/kg) exceed the CHHSL and RSL. However, the 95 percent UCL of the statistical mean for the total arsenic concentrations is 9.89 mg/kg. This value is within the range of typical natural background concentrations.

7 RECOMMENDATIONS

Based on the data obtained and reviewed as part of this Assessment, laboratory results, current regulatory guidelines, and the conclusions presented above, SCS recommends the following:

- Prior to Site development but subsequent to the completion of Site end use and grading plans, perform additional shallow sampling for arsenic and organochlorine pesticides across the former agricultural and golf courses areas of the Site to increase sample density for adequate Site characterization.
- If soil is ultimately exported from the Site, additional soil sampling and analysis would be required to better delineate the horizontal and lateral limits of soil containing detectable concentrations of organochlorine pesticides and arsenic at concentrations exceeding the San Diego Regional Water Quality Control Board (RWQCB) Tier1 SSL of 3.5 mg/kg that would be considered a regulated waste; and additional screening and laboratory analysis would be required to assess whether soil would be characterized as a California Hazardous Waste or Resource Conservation and Recovery Act Hazardous waste. Any soil exported from the Site must be properly managed and transported to an appropriately permitted facility if it is characterized as a regulated or hazardous waste.
- Development of a Site-specific soil management plan to account for Site development activities and integrate environmental issues into the Site development process.

8 REPORT USAGE AND FUTURE SITE CONDITIONS

This Report is intended for the sole usage of the Client and the Client's authorized representatives. Use of this Report is subject to the provisions of the fully executed Consulting Agreement (Contract) between the Client and SCS. Any third-party usage of this Report shall be subject to the provisions of the Contract, and any unauthorized misuse of or reliance upon the Report shall be without risk or liability to SCS.

The conclusions of this Report are judged to have been relevant at the time the work described in this Report was conducted. Future conditions may differ and this Report should not be relied on to represent future Site conditions unless a qualified consultant familiar with the practice of Phase II Environmental Site Assessments in San Diego County is consulted to assess the necessity of updating this Report.

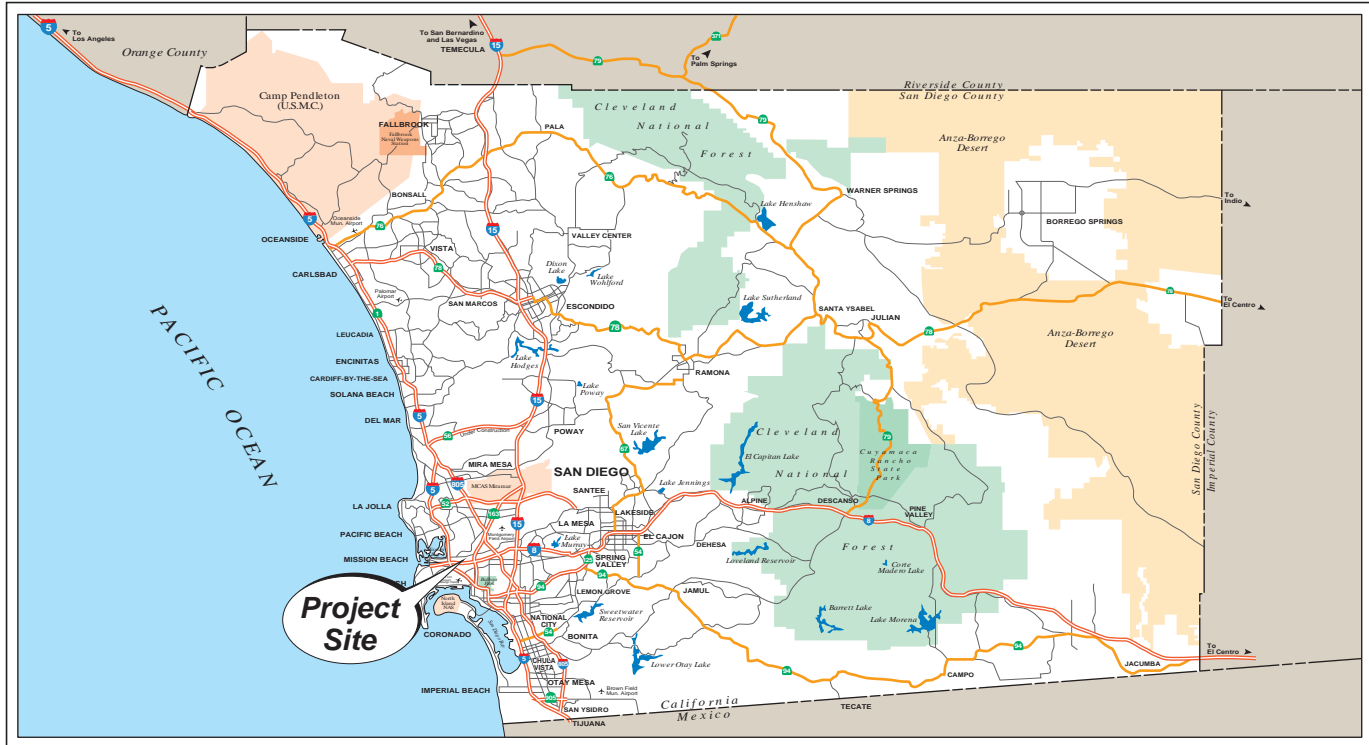
Although this Assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons which include but are not limited to 1) SCS' reliance on inadequate or inaccurate information rightfully provided to it by third parties, such as public agencies and other outside sources; 2) the limited scope of this Assessment; and 3) the presence of undetected, unknown, or unreported environmental releases.

9 LIKELIHOOD STATEMENTS

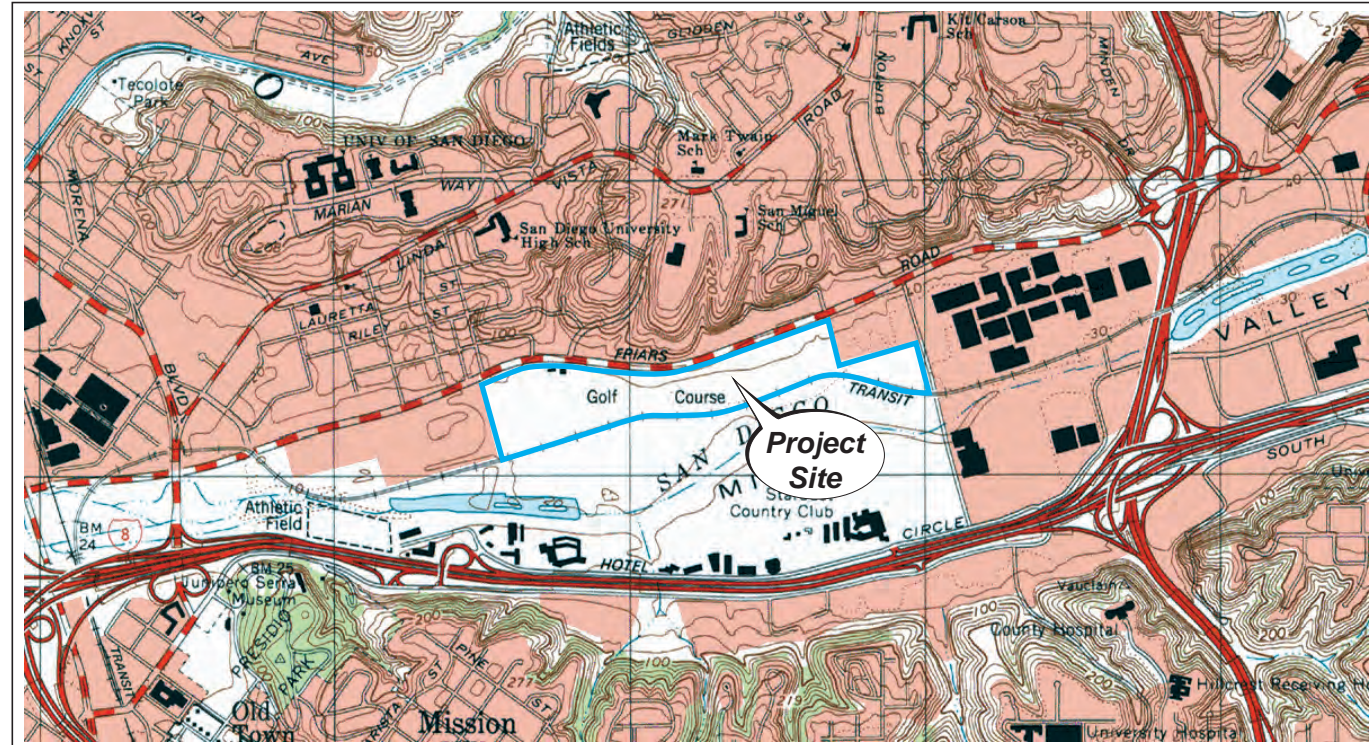
Statements of "likelihood" may have been made in this report. Likelihood statements are based on professional judgments of SCS. The term "likelihood," as used herein, pertains to the probability of a match between the prediction for an event and its actual occurrence. The likelihood statement assigns a measure for a "degree of belief" for the match between the prediction for the event and the actual occurrence of the event.

The likelihood statements in this Report are made qualitatively (expressed in words). The qualitative terms can be approximately related to quantitative percentages. The term “low likelihood” is used by SCS to approximate a percentage range of 10 to 20 percent; the term “moderate likelihood” refers to an approximate percentage range of 40 to 60 percent; and the term “high likelihood” refers to an approximate percentage range of 80 to 90 percent.

FIGURES



REGIONAL SITE LOCATION



2-DIMENSIONAL SITE LOCATION

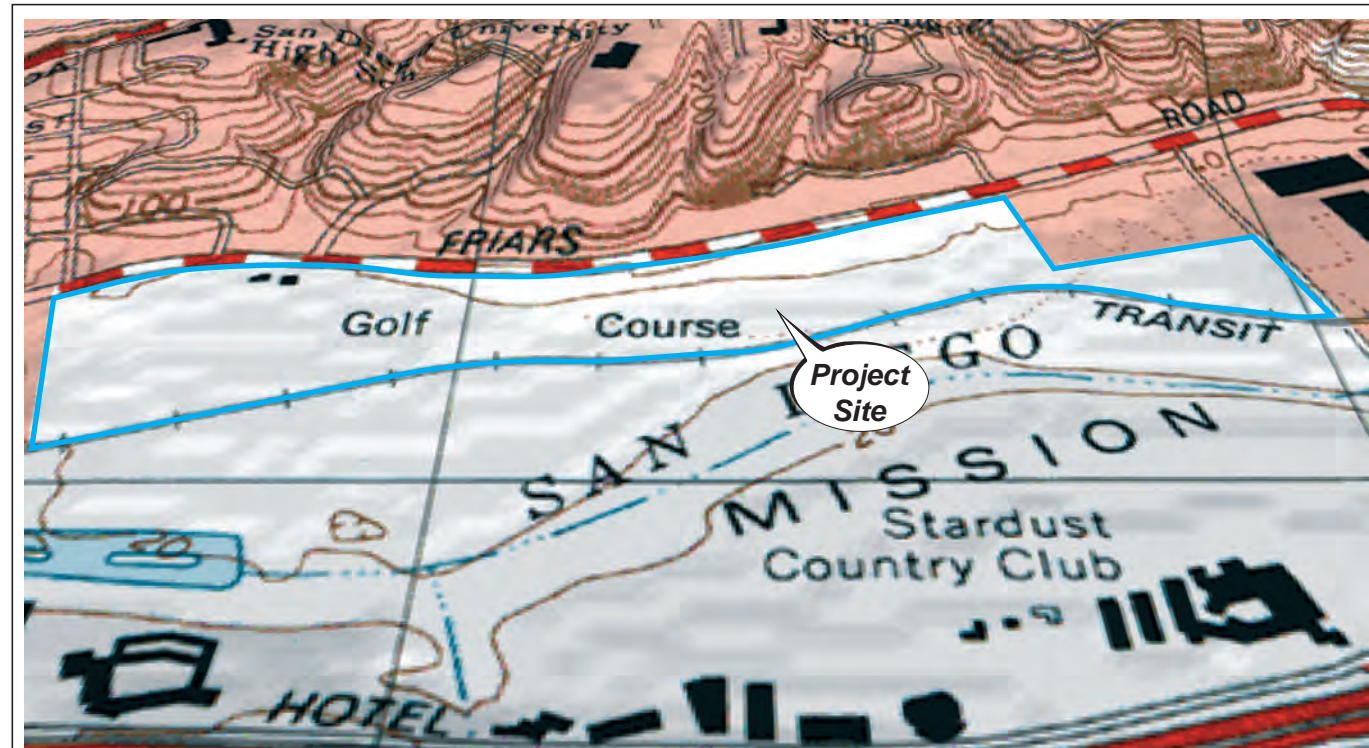
Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
La Jolla, California - 1996

0 1,000 2,000 3,000
Approximate Graphic Scale in Feet



SITE AERIAL PHOTOGRAPH

Reference:
Google Earth Aerial Photograph
San Diego, California - November 2013



3-DIMENSIONAL SITE LOCATION

Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
La Jolla, California - 1996

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS

Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

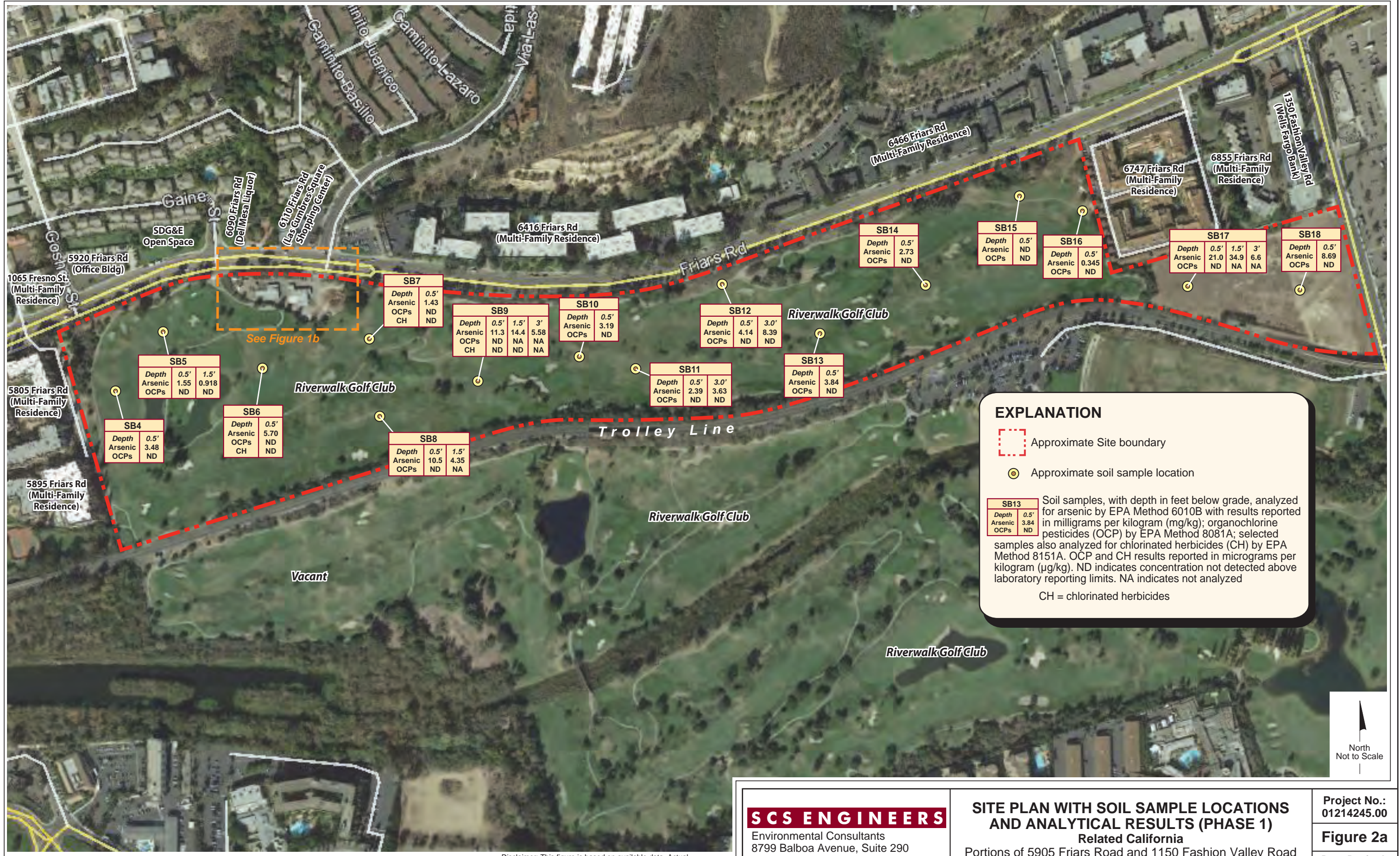
**FOUR-WAY SITE LOCATION MAP
(PHASE 1)**

Related California
Portions of 5905 Friars Road and 1150 Fashion Valley Road
San Diego, California

Project No.:
01214245.00

Figure 1

Date Drafted:
10/8/14



EXPLANATION

Approximate Site boundary

● Approximate soil sample location

SB13	
Depth	0.5'
Arsenic	3.84
OCPs	ND

Soil samples, with depth in feet below grade, analyzed for arsenic by EPA Method 6010B with results reported in milligrams per kilogram (mg/kg); organochlorine pesticides (OCP) by EPA Method 8081A; selected samples also analyzed for chlorinated herbicides (CH) by EPA Method 8151A. OCP and CH results reported in micrograms per kilogram (µg/kg). ND indicates concentration not detected above laboratory reporting limits. NA indicates not analyzed

CH = chlorinated herbicides



Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.



B5			
Depth	3'	8'	
TPHg	ND	ND	
TPHd	ND	ND	
TPHo	ND	ND	
VOCs	ND	ND	

SB2		
Depth	0.5'	1.5'
Arsenic	5.12	7.37
GC	3.81	<2
AC	3.50	<2
4,4-DDD	12.2	<4
Dieldrin	4.23	<4
Other OCPs	ND	ND

B4			
Depth	5'	10'	15'
TPHg	ND	ND	ND
TPHd	ND	ND	ND
TPHo	ND	ND	ND
VOCs	ND	ND	ND

SB1		
Depth	0.5'	1.5'
Arsenic	9.79	NA
GC	9.44	<2
AC	14.8	<2
4,4-DDE	16.3	<4
4,4-DDT	23.4	<4
Other OCPs	ND	ND
CH	ND	ND

B2			
Depth	0.5'	15'	25'
TPHg	<0.5	<0.5	<0.5
TPHd	<10	<10	<10
TPHo	<50	<50	<50
VOCs	ND	ND	ND

B3			
Depth	5'	10'	15'
TPHg	ND	ND	ND
TPHd	ND	ND	ND
TPHo	ND	ND	ND
VOCs	ND	ND	ND

SB3		
Depth	0.5'	3'
Arsenic	3.50	6.36
OCPs	ND	ND

B1			
Depth	0.5'	15'	19.5'
TPHg	ND	ND	ND
TPHd	ND	ND	ND
TPHo	ND	ND	ND
VOCs	ND	ND	ND

EXPLANATION

Approximate excavation of underground storage tanks

Approximate soil sample location

Approximate groundwater sample location

B2			
Depth	0.5'	15'	25'
TPHg	ND	ND	ND
TPHd	ND	ND	ND
TPHo	ND	ND	ND
VOCs	ND	ND	ND

SB1		
Depth	0.5'	1.5'
Arsenic	9.79	NA
GC	9.44	ND
AC	14.8	ND
4,4-DDD	16.3	ND
4,4-DDT	23.4	ND
Other OCPs	ND	ND
CH	ND	ND

Soil samples, with depth in feet below grade, analyzed for gasoline-, diesel-, and oil-range total petroleum hydrocarbons (TPHg, TPHd, TPHo, respectively) by EPA Method 8015B; volatile organic compounds (VOCs) by EPA Method 8260B; arsenic by EPA Method 6010B; and organochlorine pesticides (OCP) by EPA Method 8081A; selected samples also analyzed for chlorinated herbicides (CH) by EPA Method 8151A. Results for TPH and arsenic reported in milligrams per kilogram (mg/kg). Results for VOCs, OCP and CH reported in micrograms per kilogram (µg/kg). ND indicates concentration not detected above indicated reporting limit for relevant analyte and analytical method.

GC = gamma chlordanes
 AC = alpha chlordanes
 4,4'-DDD = 4,4-dichlorodiphenyldichloroethane
 4,4'-DDT = 4,4-dichlorodiphenyltrichloroethane
 CH = chlorinated herbicides

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

<p>SCS ENGINEERS Environmental Consultants 8799 Balboa Avenue, Suite 290 San Diego, California 92123</p>	<p>DETAILED SITE PLAN OF MAINTENANCE AREA WITH SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS (PHASE 1) Related California Portions of 5905 Friars Road and 1150 Fashion Valley Road San Diego, California</p>	<p>Project No.: 01214245.00</p>
		<p>Figure 2b</p>
		<p>Date Drafted: 10/8/14</p>

APPENDICES

BORING PERMIT



CORRECTED
PERMIT #LMWP-001284
A.P.N. #436-611-29
EST #NONE

**COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM
GEOTECHNICAL BORING CONSTRUCTION PERMIT**

SITE NAME: RIVER WALK GOLF COURSE

SITE ADDRESS: AT FRIARS RD., AND FASHION VALLEY RD., SAN DIEGO CA 92108

PERMIT FOR: **TWO BORINGS**

PERMIT APPROVAL DATE: SEPTEMBER 11, 2014

PERMIT EXPIRES ON: JANUARY 8, 2015

RESPONSIBLE PARTY: RELATED OF CALIFORNIA

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**
2. All borings must be properly destroyed within 24 hours of drilling.
3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.
4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, E- 4. (http://www.sdcountry.ca.gov/deh/water/sam_manual.html). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.
5. Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.
6. **This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at (858) 505-6688.**

APPROVED BY: _____ DATE: 9.15.2014
AMELIA CESENA

BORING LOGS

SCS ENGINEERS

BOREHOLE LOG

Number: **B1**

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client:
Related California

Job No:
01214245.00

Sheet:
1 of 1

Logged by:
Cristobal Ramirez

Location:
1150 Fashion Valley Rd
San Diego, CA

Drilling Company:
H&P Mobile Geochemistry

Date Drilled:
9/18/14

Date Drafted:
10/13/14

Drilling / Sampling Method
Direct Push / Direct push sampler

Borehole Dia.:
1.5"

Total Depth:
20.0

Backfill Quantity:
0.0

SD BORING TYPH LOG 214245.00 TYP BORING LOGS.GPJ GINT STD US.GDT 10/13/14

Depth 0 feet	Sample Information					Graphic Log	Description Formation, soil type, grain, minor soil component, moisture, density, odor, etc.	Completion Detail
	Sample Interval	Sample Number	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.			
0							4 inches concrete	Concrete
5		B1-5	296				ALLUVIUM: Olive green, silty, clayey, fine- to medium-grained SAND with some coarse-grained sand and minor sub angular gravel, moist, no obvious hydrocarbon staining/odors.	
10		B1-10	127		SM		Color changes to brown.	Hydrated bentonite grout
15		B1-15	5.3					
20		B1-19.5	15.3				Yellowish-brown, silty, clayey, fine- to coarse-grained SAND with sub rounded gravel, low to moderate hydrocarbon staining and odors. Boring terminated at 20 feet below grade due to refusal on rock. Backfilled with hydrated bentonite grout and capped with concrete.	
25								

Logged By: Cristobal Ramirez

Title: Senior Project Professional

Date: 9/18/14

Reviewed By: Luke Montague

License No: P.G. 8071

Date: 10/9/14

SCS ENGINEERS

BOREHOLE LOG

Number: **B2**

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client:
Related California

Job No:
01214245.00

Sheet:
1 of 1

Logged by:
Cristobal Ramirez

Location:
1150 Fashion Valley Rd
San Diego, CA

Drilling Company:
H&P Mobile Geochemistry

Date Drilled:
9/18/14

Date Drafted:
10/13/14

Drilling / Sampling Method
Direct Push / Direct push sampler

Borehole Dia.:
1.5"

Total Depth:
30.0

Backfill Quantity:
0.0

Depth 0 feet	Sample Information					Graphic Log	Description Formation, soil type, grain, minor soil component, moisture, density, odor, etc.	Completion Detail
	Sample Interval	Sample Number	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.			
0							4 inches concrete.	Concrete
5		B2-5	30.9				ALLUVIUM: Brown, silty, clayey, fine- to medium-grained SAND with some coarse-grained sand, moist, light hydrocarbon odors, no staining.	
10		B2-5	3.5				Same as above. No obvious hydrocarbon stains/odors.	
15		B2-5	7.1		SM		Same as above.	Hydrated bentonite grout
20		B2-5	8.1				Same as above.	
25		B2-5	43				Olive gray, silty, fine- to medium-grained SAND and minor gravel, moist, slight hydrocarbon odors, no obvious staining.	
30		B2-5	5.9				Light brown, silty, fine- to coarse-grained SAND, minor gravel, no obvious hydrocarbon staining/odors. Boring terminated at 30 feet below grade due to refusal on rock. Backfilled with hydrated bentonite grout and capped with concrete.	
35								

SD BORING TPH LOG 214245.00 TPH BORING LOGS.GPJ GINT STD US.GDT 10/13/14

Logged By: Cristobal Ramirez

Title: Senior Project Professional

Date: 9/18/14

Reviewed By: Luke Montague

License No: P.G. 8071

Date: 10/9/14

SCS ENGINEERS	BOREHOLE LOG	Number: B3
----------------------	---------------------	-------------------

8799 Balboa Avenue, Suite 290 San Diego, California 92123-1568	Client: Related California	Job No: 01214245.00	Sheet: 1 of 1
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Logged by: Cristobal Ramirez	Location: 1150 Fashion Valley Rd San Diego, CA	Drilling Company: H&P Mobile Geochemistry
------------------------------	---	---

Date Drilled: 9/18/14	Date Drafted: 10/13/14	Drilling / Sampling Method: Direct Push / Direct push sampler	Borehole Dia.: 1.5"	Total Depth: 15.0	Backfill Quantity: 0.0
-----------------------	------------------------	---	---------------------	-------------------	------------------------

Depth	Sample Information					Graphic Log	Description	Completion Detail
0 feet	Sample Interval	Sample Number	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.			
0								Concrete
1								
2								
3								
4								
5	X	B3-5	3.6				ALLUVIUM: Dark brown, clayey silty, fine- to medium-grained SAND with some coarse-grained sand, moist, no obvious hydrocarbon staining/odors.	
6	X							
7								
8					SM			Hydrated bentonite grout
9								
10	X	B3-10	41.3				Brown, silty clay, fine- to medium-grained SAND with some coarse-grained sand, moist, no obvious hydrocarbon staining/odors.	
11	X							
12								
13								
14								
15	X	B3-15	1.9				Same as above, no obvious hydrocarbon staining/odors. Boring terminated at 15 feet below grade due to refusal on rock. Backfilled with hydrated bentonite grout and capped with concrete.	
16	X							
17								
18								
19								
20								

SD BORING TPH LOG 214245.00_TPH BORING LOGS GPJ_GINT STD_US_GDT 10/13/14

Logged By: Cristobal Ramirez	Title: Senior Project Professional	Date: 9/18/14
Reviewed By: Luke Montague	License No: P.G. 8071	Date: 10/9/14

SCS ENGINEERS

BOREHOLE LOG

Number: **B4**

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client:
Related California

Job No:
01214245.00

Sheet:
1 of 1

Logged by:
Cristobal Ramirez

Location:
1150 Fashion Valley Rd
San Diego, CA

Drilling Company:
H&P Mobile Geochemistry

Date Drilled:
9/18/14

Date Drafted:
10/13/14

Drilling / Sampling Method
Direct Push / Direct push sampler

Borehole Dia.:
1.5"

Total Depth:
19.0

Backfill Quantity:
0.0

SD BORING TPH LOG 214245.00 TPH BORING LOGS.GPJ GINT STD US.GDT 10/13/14

Depth 0 feet	Sample Information					Graphic Log	Description Formation, soil type, grain, minor soil component, moisture, density, odor, etc.	Completion Detail
	Sample Interval	Sample Number	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.			
0								Concrete
5		B4-5	6.0				ALLUVIUM: Brown, silty, clayey, fine- to medium-grained SAND with some course-grained sand, moist, no obvious hydrocarbon staining/odors.	
10		B4-10	12.5		SM		Brown, clayey, silty, fine- to medium-grained SAND with some course-grained sand, moist, slight hydrocarbon odors and staining.	Hydrated bentonite grout
15		B4-15					Same as above, no obvious hydrocarbon staining/odors.	
20		B4-19					Brown, clayey, silty, fine- to medium-grained SAND with some course-grained sand, moist, no obvious hydrocarbon staining/odors. Boring terminated at 19 feet below grade due to refusal on rock. Backfilled with hydrated bentonite grout and capped with concrete.	
25								

Logged By: Cristobal Ramirez

Title: Senior Project Professional

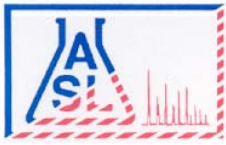
Date: 9/18/14

Reviewed By: Luke Montague

License No: P.G. 8071

Date: 10/9/14

LABORATORY ANALYTICAL REPORT



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Number of Pages 33
Date Received 09/19/2014
Date Reported 09/24/2014

Telephone (858) 571-5500
Attn Luke Montague

Job Number	Ordered	Client
62115	09/19/2014	SCS

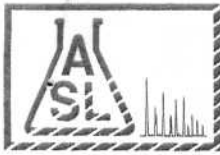
Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club
Site: 1150 Fashion Valley Road
San Diego, CA

Enclosed are the results of analyses on 30 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



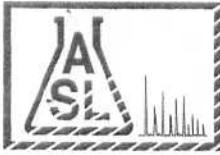
AMERICAN SCIENTIFIC LABORATORIES, LLC
 Environmental Testing Services
 2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 68503** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62115

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED	
Address: <u>8799 Balboa Ave</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>Same</u>	
# <u>290, San Diego, CA</u>		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>	
Telephone: <u>(858) 401-2350</u>		San Diego, CA		Address: <u>Same</u>	
Fax:		Project ID: <u>01214245.00T3</u>		TPH 8015B	
Special Instruction: <u>24 hrs TAT</u>		E-mail: <u>l.montague@scsengineers.com</u>		VOCs 8260B	
E-mail: <u>cramirez@scsengineers.com</u>		Manager: <u>LM</u>		P.O.#:	

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation										Remarks
	Lab ID	Sample ID	Date	Time	#	Type													
1	321755	B1-5'	9/18/14			Acetate sleeve	Soil	4°C	✓	✓									
		B1-10'							-	-									
2	321756	B1-15							✓	✓									
3	321757	B1-19.5							✓	✓									
4	321758	B2-5.0							✓	✓									
		B2-10							-	-									
5	321759	B2-15							✓	✓									
		B2-20							-	-									
c	321760	B2-25							✓	✓									
		B2-30							-	-									

Collected By: <u>Cristobal Ramirez</u>	Date <u>9/18/14</u>	Time	Relinquished By:	Date	Time	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush <u>24 hr</u>
Relinquished By:	Date	Time	Received For Laboratory <u>Janet Chen</u>	Date <u>9/19/14</u>	Time <u>11:20</u>	
Received By:	Date	Time	Condition of Sample:			



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

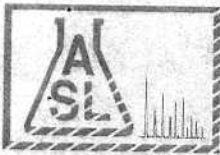
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 68503** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62115

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED	
Address: <u>8799 Balboa Ave</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>Same</u>	
# <u>290, San Diego, CA</u>		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>	
Telephone: <u>(858) 401-2350</u>		San Diego, CA		Address: <u>Same</u>	
Fax:		Project ID: <u>01214245.0073</u>		TPH <u>8015 B</u>	
Special Instruction: <u>TAT</u>		Project Manager: <u>LM</u>		VOCs <u>8260 B</u>	
E-mail: <u>lmontague@scsengineers.com</u>		P.O.#:		Arsenic <u>6010 B</u>	
<u>cramirez@scsengineers.com</u>				OP <u>8081 A</u>	
				CH <u>8151</u>	

ITEM	LAB USE ONLY	SAMPLE DESCRIPTION			Container(s)		Matrix	Preservation									Remarks
	Lab ID	Sample ID	Date	Time	#	Type											
7	321761	B3-5'	9/18/14			Acetate sleeve	soil	4°C	✓	✓	-	-	-				
8	321762	B3-10							✓	✓	-	-	-				
9	321763	B3-15							✓	✓	-	-	-				
10	321764	B4-5							✓	✓	-	-	-				
11	321765	B4-10							✓	✓	-	-	-				
12	321766	B4-15							✓	✓	-	-	-				
		B4-19							-	-	-	-	-				
13	321767	SBI-0.5'							-	-	✓	✓	✓				
		SBI-1.5'							-	-	-	-	-				
		SBI-3.0'							-	-	-	-	-				

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/18/14</u>	Time:	Relinquished By:	Date:	Time:	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date:	Time:	Received For Laboratory: <u>Janet Chun</u>	Date: <u>9/19/14</u>	Time: <u>11:20</u>	
Received By:	Date:	Time:	Condition of Sample:			



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

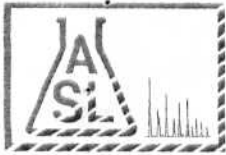
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 68503** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62115

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED			
Address: <u>8799 Balboa Ave</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>Same</u>			
# <u>290, San Diego, CA</u>		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>			
Telephone: <u>(858) 401-2350</u>		San Diego, CA		Address: <u>Same</u>			
Special Instruction: <u>TAT</u>		Project ID: <u>01214245.0073</u>		<u>Asenic 6010B</u> <u>OP 8081A</u> <u>CH 8151</u>			
E-mail: <u>lmonaque@scsengineers.com</u> <u>cr Ramirez@scsengineers.com</u>		Project Manager: <u>LM</u>					

ITEM	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation								Remarks
	Lab ID	Sample ID	Date	Time	#	Type											
14	321768	SB2-0.5'	9/18/14			Acetate Sleeve	Soil	4°C	✓	✓	-						
15	321769	SB2-1.5'							✓	✓	-						
		SB2-3.0							-	-	-						
16	321770	SB3-0.5							✓	✓	-						
		SB3-1.5'							-	-	-						
17	321771	SB3-3.0'							✓	✓	-						
18	321772	SB4-0.5							✓	✓	-						
		SB4-1.5							-	-	-						
		SB4-3.0'							-	-	-						
19	321773	SB5-0.5							✓	✓	-						

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/18/14</u> Time	Relinquished By:	Date: _____ Time	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date: _____ Time	Received For Laboratory: <u>Jaret Chen</u>	Date: <u>9/19/14</u> Time: <u>11:20</u>	
Received By:	Date: _____ Time	Condition of Sample:		



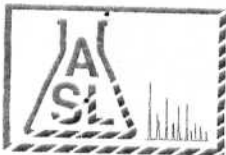
AMERICAN SCIENTIFIC LABORATORIES, LLC
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COC# N^o 50689 GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62115

Company: <u>SCS Engineers</u>	Report To: <u>SCS</u>	ANALYSIS REQUESTED		
Address: <u>8799 Balboa Ave</u>	Project Name: <u>Riverwalk Golf Club</u>	Address: <u>Same</u>	<u>Asenic 6010B</u> <u>OP 8081A</u> <u>CH 8151</u>	
Telephone:	Site Address:	Invoice To: <u>SCS</u>		
Fax:		Address: <u>Same</u>		
Special Instruction: <u>24 HRS TAT</u>	Project ID: <u>01214245.00 T3</u>			
E-mail:	Project Manager:	P.O.#:		

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION			Container(s)		Matrix	Preservation				Remarks
	Lab ID	Sample ID	Date	Time	#	Type						
20	321774	SB5-1.5'	9/18/14			Acetate sleeve	Soil	4°C	✓	✓	-	
		SB5-3.0'							-	-	-	
21	321775	SB6-0.5'							✓	✓	✓	
		SB6-1.5'							-	-	-	
		SB6-3.0'							-	-	-	
22	321776	SB7-0.5'							✓	✓	✓	
		SB7-1.5'							-	-	-	
		SB7-3.0'							-	-	-	
23	321777	SB8-0.5'							✓	✓	-	
		SB8-1.5'							-	-	-	

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/18/14</u> Time:	Relinquished By:	Date:	Time:	<input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date:	Received For Laboratory: <u>Janet Chin</u>	Date: <u>9/19/14</u>	Time: <u>11:20</u>	
Received By:	Date:	Condition of Sample:			



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COC# N^o 50689 GLOBAL ID _____

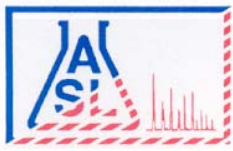
E REPORT: PDF EDF EDD ASL JOB# 62115

Company: SCS Engineers		Report To: SCS		ANALYSIS REQUESTED			
Address:		Project Name: Riverwalk Golf Club		Address: Same			
Telephone:		Site Address:		Invoice To: SCS			
Fax:		Project ID: 01214245.00 T3		Address: Same			
Special Instructions: 24 HRS TAT		Project Manager:		P.O.#:			
E-mail:							

ITEM	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	As	OP	CH	Remarks
	Lab ID	Sample ID	Date	Time	#	Type							
		SB8-3.0'	9/18/14			Acetate sleeve	Soil	4°C	-	-	-		
24	321778	SB9-0.5'							✓	✓	✓		
25	321779	SB9-1.5'							✓	✓	-		
		SB9-3.0'							-	-	-		
26	321780	SB10-0.5'							✓	✓	-		
27	321781	SB11-0.5'							✓	✓	-		
		SB11-1.5'							-	-	-		
28	321782	SB11-3.0'							✓	✓	-		
29	321783	SB12-0.5'							✓	✓	-		
		SB12 1.5'							-	-	-		

Collected By: Cristobal Ramirez	Date: 9/18/14	Time:	Relinquished By:	Date:	Time:
Relinquished By:	Date:	Time:	Received For Laboratory: Janet Chun	Date: 9/19/14	Time: 11:20
Received By:	Date:	Time:	Condition of Sample:	<input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush	

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ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: **2**

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

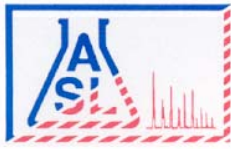
QC Batch No: 091914-3

Our Lab I.D.		321767	321768	321769	321770	321771
Client Sample I.D.		SB1-0.5'	SB2-0.5'	SB2-1.5'	SB3-0.5'	SB3-3.0'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	9.79	5.12	7.37	3.50	6.36

QUALITY CONTROL REPORT

QC Batch No: 091914-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	97	97	<1	80-120	<20				



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Page: 3

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

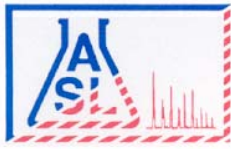
QC Batch No: 091914-3

Our Lab I.D.		321772	321773	321774	321775	321776
Client Sample I.D.		SB4-0.5'	SB5-0.5'	SB5-1.5'	SB6-0.5'	SB7-0.5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	3.48	1.55	0.918	5.70	1.43

QUALITY CONTROL REPORT

QC Batch No: 091914-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	97	97	<1	80-120	<20				



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Page: 4

Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

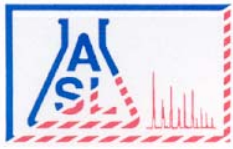
QC Batch No: 091914-3

Our Lab I.D.		321777	321778	321779	321780	321781
Client Sample I.D.		SB8-0.5'	SB9-0.5'	SB9-1.5'	SB10-0.5'	SB11-0.5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	10.5	11.3	14.4	3.19	2.39

QUALITY CONTROL REPORT

QC Batch No: 091914-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	97	97	<1	80-120	<20				



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

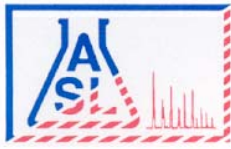
QC Batch No: 091914-3

Our Lab I.D.		321782	321783	321784		
Client Sample I.D.		SB11-3.0'	SB12-0.5'	SB12-3.0'		
Date Sampled		09/18/2014	09/18/2014	09/18/2014		
Date Prepared		09/19/2014	09/19/2014	09/19/2014		
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
ICP Metals						
Arsenic	0.250	3.63	4.14	8.39		

QUALITY CONTROL REPORT

QC Batch No: 091914-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	97	97	<1	80-120	<20				



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-091914

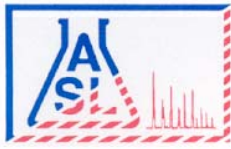
Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		321755	321756	321757	321758	321759
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	112	110	109	109	110

QUALITY CONTROL REPORT

QC Batch No: S2P-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	96	102	6.1	75-120	<20					



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-091914

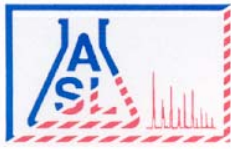
Our Lab I.D.		321760	321761	321762	321763	321764
Client Sample I.D.		B2-25'	B3-5'	B3-10'	B3-15'	B4-5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		321760	321761	321762	321763	321764
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	108	112	107	107	114

QUALITY CONTROL REPORT

QC Batch No: S2P-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	100	100	<1	75-120	<20					



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ANALYTICAL RESULTS

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Telephone: (858)571-5500

Attn: Luke Montague

Page: 8

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-091914

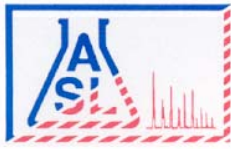
Our Lab I.D.		321765	321766			
Client Sample I.D.		B4-10'	B4-15'			
Date Sampled		09/18/2014	09/18/2014			
Date Prepared		09/19/2014	09/19/2014			
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH DROs (C10 to C28)	10.0	ND	ND			
TPH OROs (C28+)	50.0	ND	ND			

Our Lab I.D.		321765	321766			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Chlorobenzene	70-120	108	107			

QUALITY CONTROL REPORT

QC Batch No: S2P-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	97	1.0	75-120	<20					



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ANALYTICAL RESULTS

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Page: 9

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-091914

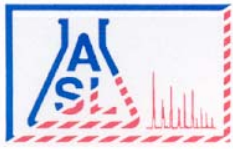
Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH GROs (C6 to C10)	500	ND	ND	ND	ND	ND

Our Lab I.D.		321755	321756	321757	321758	321759
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	82	81	97	79	81

QUALITY CONTROL REPORT

QC Batch No: S1G-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	100	103	3.0	75-120	<20					
Toluene	95	96	1.0	75-120	<20					



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Attn: Luke Montague

Page: 10

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-091914

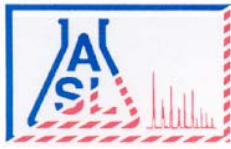
Our Lab I.D.		321760			
Client Sample I.D.		B2-25'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
TPH GROs (C6 to C10)	500	ND			

Our Lab I.D.		321760			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	86			

QUALITY CONTROL REPORT

QC Batch No: S1G-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	100	103	3.0	75-120	<20				
Toluene	95	96	1.0	75-120	<20				



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Telephone: (858)571-5500

Attn: Luke Montague

Page: **11**

Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-092214

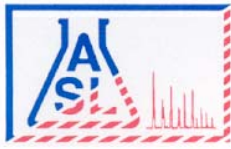
Our Lab I.D.		321761	321762	321763		
Client Sample I.D.		B3-5'	B3-10'	B3-15'		
Date Sampled		09/18/2014	09/18/2014	09/18/2014		
Date Prepared		09/22/2014	09/22/2014	09/22/2014		
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
TPH GROs (C6 to C10)	500	ND	ND	ND		

Our Lab I.D.		321761	321762	321763		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	91	96	91		

QUALITY CONTROL REPORT

QC Batch No: S1G-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	93	102	9.2	75-120	<20					
Toluene	90	94	4.3	75-120	<20					



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
 8799 Balboa Avenue, Suite 290
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1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: **12**

Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1H-092214

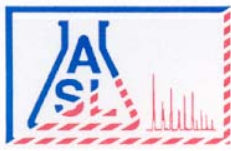
Our Lab I.D.		321764	321765	321766		
Client Sample I.D.		B4-5'	B4-10'	B4-15'		
Date Sampled		09/18/2014	09/18/2014	09/18/2014		
Date Prepared		09/22/2014	09/22/2014	09/22/2014		
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
TPH GROs (C6 to C10)	500	ND	ND	ND		

Our Lab I.D.		321764	321765	321766		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	118	106	112		

QUALITY CONTROL REPORT

QC Batch No: S1H-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	89	88	1.1	75-120	<20					
Toluene	87	86	1.2	75-120	<20					



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

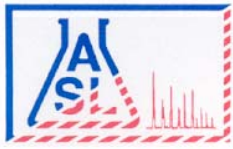
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091914-1

Our Lab I.D.		321767	321768	321769	321770	321771
Client Sample I.D.		SB1-0.5'	SB2-0.5'	SB2-1.5'	SB3-0.5'	SB3-3.0'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	9.44	3.81	ND	ND	ND
alpha-Chlordane	2.00	14.8	3.50	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	16.3	12.2	ND	ND	ND
4,4'-DDT (DDT)	4.00	23.4	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	4.23	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND

Our Lab I.D.		321767	321768	321769	321770	321771
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	89	89	81	87	111



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

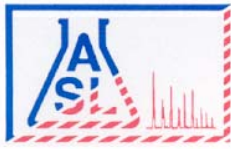
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	110	<1	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	123	112	9.4	36-146	<30					
Endrin	133	128	3.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	94	99	5.2	32-127	<30					
Heptachlor	108	106	1.9	34-111	<30					



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ANALYTICAL RESULTS

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Attn: Luke Montague

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

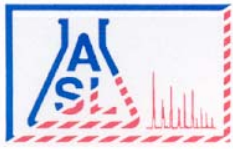
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091914-1

Our Lab I.D.		321772	321773	321774	321775	321776
Client Sample I.D.		SB4-0.5'	SB5-0.5'	SB5-1.5'	SB6-0.5'	SB7-0.5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND

Our Lab I.D.		321772	321773	321774	321775	321776
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	83	88	92	106	110



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

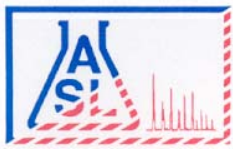
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	110	<1	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	123	112	9.4	36-146	<30					
Endrin	133	128	3.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	94	99	5.2	32-127	<30					
Heptachlor	108	106	1.9	34-111	<30					



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ANALYTICAL RESULTS

Ordered By

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 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

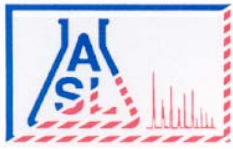
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091914-1

Our Lab I.D.		321777	321778	321779	321780	321781
Client Sample I.D.		SB8-0.5'	SB9-0.5'	SB9-1.5'	SB10-0.5'	SB11-0.5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND

Our Lab I.D.		321777	321778	321779	321780	321781
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	110	101	83	78	94



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

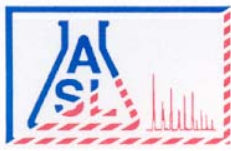
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	110	<1	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	123	112	9.4	36-146	<30					
Endrin	133	128	3.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	94	99	5.2	32-127	<30					
Heptachlor	108	106	1.9	34-111	<30					



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ANALYTICAL RESULTS

Ordered By

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Attn: Luke Montague

Page: 19

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

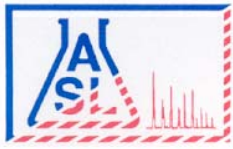
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091914-1

Our Lab I.D.		321782	321783	321784		
Client Sample I.D.		SB11-3.0'	SB12-0.5'	SB12-3.0'		
Date Sampled		09/18/2014	09/18/2014	09/18/2014		
Date Prepared		09/19/2014	09/19/2014	09/19/2014		
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Aldrin	2.00	ND	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND		
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND		
Gamma-Chlordane	2.00	ND	ND	ND		
alpha-Chlordane	2.00	ND	ND	ND		
4,4'-DDD (DDD)	4.00	ND	ND	ND		
4,4'-DDE (DDE)	4.00	ND	ND	ND		
4,4'-DDT (DDT)	4.00	ND	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND		
Dieldrin	4.00	ND	ND	ND		
Endosulfan 1	2.00	ND	ND	ND		
Endosulfan 11	4.00	ND	ND	ND		
Endosulfan sulfate	4.00	ND	ND	ND		
Endrin	4.00	ND	ND	ND		
Endrin aldehyde	4.00	ND	ND	ND		
Endrin ketone	4.00	ND	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND		
Heptachlor	2.00	ND	ND	ND		
Heptachlor epoxide	2.00	ND	ND	ND		
Methoxychlor	4.00	ND	ND	ND		
Toxaphene	170	ND	ND	ND		

Our Lab I.D.		321782	321783	321784		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	92	82	98		



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

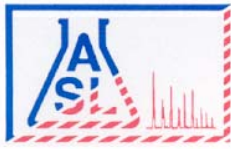
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	110	<1	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	123	112	9.4	36-146	<30					
Endrin	133	128	3.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	94	99	5.2	32-127	<30					
Heptachlor	108	106	1.9	34-111	<30					



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ANALYTICAL RESULTS

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Attn: Luke Montague

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8151A, Chlorinated Herbicides by Gas Chromatography

QC Batch No: 091914-1

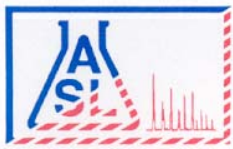
Our Lab I.D.		321767	321775	321776	321778	
Client Sample I.D.		SB1-0.5'	SB6-0.5'	SB7-0.5'	SB9-0.5'	
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
2,4-D	100	ND	ND	ND	ND	
2,4-DB	100	ND	ND	ND	ND	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10.0	ND	ND	ND	ND	
2,4,5-TP (Silvex)	10.0	ND	ND	ND	ND	
Dalapon	250	ND	ND	ND	ND	
Dicamba	10.0	ND	ND	ND	ND	
Dichloroprop	100	ND	ND	ND	ND	
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	50.0	ND	ND	ND	ND	
MCPA	10000	ND	ND	ND	ND	
MCPP	10000	ND	ND	ND	ND	

Our Lab I.D.		321767	321775	321776	321778	
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery						
2,4-Dichlorophenoxyacetic acid	30-130	88	108	102	107	

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS/LCSD % Limit							
2,4-D	86	30-130							
2,4-DB	91	30-130							
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	98	30-130							



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ANALYTICAL RESULTS

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Site

SCS Engineers
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1150 Fashion Valley Road
San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 22

Project ID: 01214245.00T3

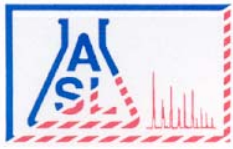
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

Our Lab I.D.		321761	321762	321763	321764	321765
Client Sample I.D.		B3-5'	B3-10'	B3-15'	B4-5'	B4-10'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Acetone	50.0	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND



ANALYTICAL RESULTS

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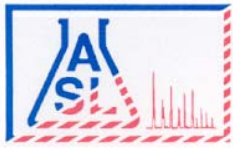
Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

Our Lab I.D.		321761	321762	321763	321764	321765
Client Sample I.D.		B3-5'	B3-10'	B3-15'	B4-5'	B4-10'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

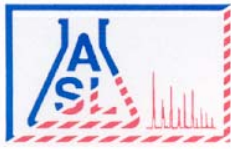
Our Lab I.D.		321761	321762	321763	321764	321765
Client Sample I.D.		B3-5'	B3-10'	B3-15'	B4-5'	B4-10'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND

Our Lab I.D.		321761	321762	321763	321764	321765
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	106	117	108	107	107
Dibromofluoromethane	70-120	99	70	100	100	100
Toluene-d8	70-120	100	94	100	101	101

QUALITY CONTROL REPORT

QC Batch No: S1B-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	113	112	<1	75-120	15					
Chlorobenzene	119	117	1.7	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	100	100	<1	75-120	15					
MTBE	109	118	7.9	75-120	15					
Toluene (Methyl benzene)	117	115	1.7	75-120	15					
Trichloroethene (TCE)	112	110	1.8	75-120	15					



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ANALYTICAL RESULTS

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San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 25

Project ID: 01214245.00T3

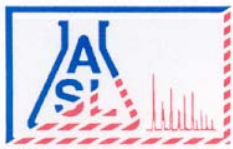
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

Our Lab I.D.		321766			
Client Sample I.D.		B4-15'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Acetone	50.0	ND			
Benzene	2.00	ND			
Bromobenzene (Phenyl bromide)	10.0	ND			
Bromochloromethane (Chlorobromomethane)	10.0	ND			
Bromodichloromethane (Dichlorobromomethane)	10.0	ND			
Bromoform (Tribromomethane)	50.0	ND			
Bromomethane (Methyl bromide)	30.0	ND			
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND			
n-Butylbenzene	10.0	ND			
sec-Butylbenzene	10.0	ND			
tert-Butylbenzene	10.0	ND			
Carbon disulfide	10.0	ND			
Carbon tetrachloride (Tetrachloromethane)	10.0	ND			
Chlorobenzene	10.0	ND			
Chloroethane	30.0	ND			
2-Chloroethyl vinyl ether	50.0	ND			
Chloroform (Trichloromethane)	10.0	ND			
Chloromethane (Methyl chloride)	30.0	ND			
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND			
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND			
Dibromochloromethane	10.0	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND			
Dibromomethane	10.0	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND			
Dichlorodifluoromethane	30.0	ND			
1,1-Dichloroethane	10.0	ND			



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ANALYTICAL RESULTS

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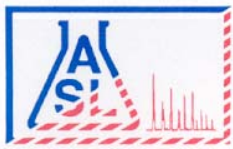
Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

Our Lab I.D.		321766			
Client Sample I.D.		B4-15'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
1,2-Dichloroethane	10.0	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND			
cis-1,2-Dichloroethene	10.0	ND			
trans-1,2-Dichloroethene	10.0	ND			
1,2-Dichloropropane	10.0	ND			
1,3-Dichloropropane	10.0	ND			
2,2-Dichloropropane	10.0	ND			
1,1-Dichloropropene	10.0	ND			
cis-1,3-Dichloropropene	10.0	ND			
trans-1,3-Dichloropropene	10.0	ND			
Ethylbenzene	2.00	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND			
2-Hexanone	50.0	ND			
Isopropylbenzene	10.0	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND			
MTBE	5.00	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND			
Methylene chloride (Dichloromethane, DCM)	50.0	ND			
Naphthalene	10.0	ND			
n-Propylbenzene	10.0	ND			
Styrene	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
Tetrachloroethene (Tetrachloroethylene)	10.0	ND			
Toluene (Methyl benzene)	2.00	ND			
1,2,3-Trichlorobenzene	10.0	ND			
1,2,4-Trichlorobenzene	10.0	ND			
1,1,1-Trichloroethane	10.0	ND			
1,1,2-Trichloroethane	10.0	ND			
Trichloroethene (TCE)	10.0	ND			
Trichlorofluoromethane	10.0	ND			
1,2,3-Trichloropropane	10.0	ND			
1,2,4-Trimethylbenzene	10.0	ND			
1,3,5-Trimethylbenzene	10.0	ND			
Vinyl acetate	50.0	ND			



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

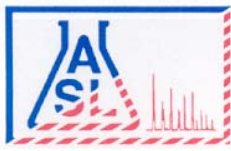
Our Lab I.D.		321766			
Client Sample I.D.		B4-15'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Vinyl chloride (Chloroethene)	30.0	ND			
o-Xylene	2.00	ND			
m- & p-Xylenes	4.00	ND			

Our Lab I.D.		321766			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	107			
Dibromofluoromethane	70-120	99			
Toluene-d8	70-120	100			

QUALITY CONTROL REPORT

QC Batch No: S1B-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	113	112	<1	75-120	15				
Chlorobenzene	119	117	1.7	75-120	15				
1,1-Dichloroethene (1,1-Dichloroethylene)	100	100	<1	75-120	15				
MTBE	109	118	7.9	75-120	15				
Toluene (Methyl benzene)	117	115	1.7	75-120	15				
Trichloroethene (TCE)	112	110	1.8	75-120	15				



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ANALYTICAL RESULTS

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Telephone: (858)571-5500

Attn: Luke Montague

Page: **28**

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Acetone	50.0	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND



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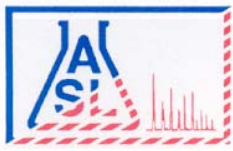
Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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ANALYTICAL RESULTS

Page: **30**

Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

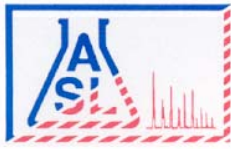
Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND

Our Lab I.D.		321755	321756	321757	321758	321759
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	81	80	97	80	80
Dibromofluoromethane	70-120	86	86	82	88	91
Toluene-d8	70-120	83	81	86	81	82

QUALITY CONTROL REPORT

QC Batch No: S1C-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	104	102	1.9	75-120	15					
Chlorobenzene	105	105	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	113	112	<1	75-120	15					
MTBE	102	100	2.0	75-120	15					
Toluene (Methyl benzene)	111	116	4.4	75-120	15					
Trichloroethene (TCE)	96	92	4.3	75-120	15					



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Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

1150 Fashion Valley Road
San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 31

Project ID: 01214245.00T3

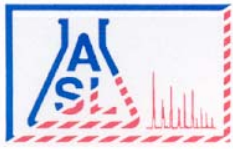
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

Our Lab I.D.		321760			
Client Sample I.D.		B2-25'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Acetone	50.0	ND			
Benzene	2.00	ND			
Bromobenzene (Phenyl bromide)	10.0	ND			
Bromochloromethane (Chlorobromomethane)	10.0	ND			
Bromodichloromethane (Dichlorobromomethane)	10.0	ND			
Bromoform (Tribromomethane)	50.0	ND			
Bromomethane (Methyl bromide)	30.0	ND			
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND			
n-Butylbenzene	10.0	ND			
sec-Butylbenzene	10.0	ND			
tert-Butylbenzene	10.0	ND			
Carbon disulfide	10.0	ND			
Carbon tetrachloride (Tetrachloromethane)	10.0	ND			
Chlorobenzene	10.0	ND			
Chloroethane	30.0	ND			
2-Chloroethyl vinyl ether	50.0	ND			
Chloroform (Trichloromethane)	10.0	ND			
Chloromethane (Methyl chloride)	30.0	ND			
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND			
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND			
Dibromochloromethane	10.0	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND			
Dibromomethane	10.0	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND			
Dichlorodifluoromethane	30.0	ND			
1,1-Dichloroethane	10.0	ND			



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ANALYTICAL RESULTS

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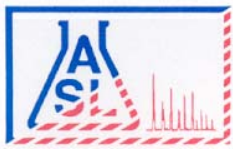
Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

Our Lab I.D.		321760			
Client Sample I.D.		B2-25'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
1,2-Dichloroethane	10.0	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND			
cis-1,2-Dichloroethene	10.0	ND			
trans-1,2-Dichloroethene	10.0	ND			
1,2-Dichloropropane	10.0	ND			
1,3-Dichloropropane	10.0	ND			
2,2-Dichloropropane	10.0	ND			
1,1-Dichloropropene	10.0	ND			
cis-1,3-Dichloropropene	10.0	ND			
trans-1,3-Dichloropropene	10.0	ND			
Ethylbenzene	2.00	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND			
2-Hexanone	50.0	ND			
Isopropylbenzene	10.0	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND			
MTBE	5.00	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND			
Methylene chloride (Dichloromethane, DCM)	50.0	ND			
Naphthalene	10.0	ND			
n-Propylbenzene	10.0	ND			
Styrene	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
Tetrachloroethene (Tetrachloroethylene)	10.0	ND			
Toluene (Methyl benzene)	2.00	ND			
1,2,3-Trichlorobenzene	10.0	ND			
1,2,4-Trichlorobenzene	10.0	ND			
1,1,1-Trichloroethane	10.0	ND			
1,1,2-Trichloroethane	10.0	ND			
Trichloroethene (TCE)	10.0	ND			
Trichlorofluoromethane	10.0	ND			
1,2,3-Trichloropropane	10.0	ND			
1,2,4-Trimethylbenzene	10.0	ND			
1,3,5-Trimethylbenzene	10.0	ND			
Vinyl acetate	50.0	ND			



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

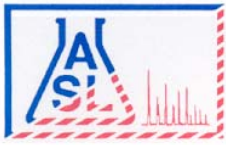
Our Lab I.D.		321760			
Client Sample I.D.		B2-25'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Vinyl chloride (Chloroethene)	30.0	ND			
o-Xylene	2.00	ND			
m- & p-Xylenes	4.00	ND			

Our Lab I.D.		321760			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	78			
Dibromofluoromethane	70-120	85			
Toluene-d8	70-120	87			

QUALITY CONTROL REPORT

QC Batch No: S1C-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	104	102	1.9	75-120	15				
Chlorobenzene	105	105	<1	75-120	15				
1,1-Dichloroethene (1,1-Dichloroethylene)	113	112	<1	75-120	15				
MTBE	102	100	2.0	75-120	15				
Toluene (Methyl benzene)	111	116	4.4	75-120	15				
Trichloroethene (TCE)	96	92	4.3	75-120	15				



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Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Number of Pages 34
Date Received 09/22/2014
Date Reported 09/26/2014

Telephone (858) 571-5500
Attn Luke Montague

Job Number	Ordered	Client
62131	09/22/2014	SCS

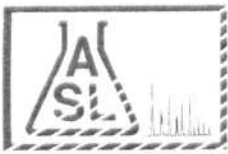
Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club
Site: 1150 Fashion Valley Road
San Diego, CA

Enclosed are the results of analyses on 32 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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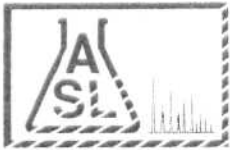
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COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# **62131**

Company: SCS Engineers		Report To: SCS Engineers	ANALYSIS REQUESTED				
Address: 8799 Balboa Ave. #290		Project Name: Riverwalk Golf Club	Address: Same				
San Diego, CA		Site Address: 1150 Fashion Valley Rd	Invoice To: SCS Engineers				
Telephone: (858) 571-5500		San Diego, CA	Address: Same				
Special Instruction: 24 HRS TAT		Project ID: 01214245.00 T3	TPH 8015B	VOCs 8260B	Arsenic 6010B	OP 8081A	CH 8151
Email: lmontague@scsengineers.com cramirez@scsengineers.com		Project Manager: Luke Montague					

LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	TPH	VOCs	Arsenic	OP	CH	Remarks			
	Lab ID	Sample ID	Date	Time	#	Type											
1	321846	B5-3.0'	9/19/14		Acetate Sleeve	Soil	4°C	✓	✓	-	-	-					
2	321847	B5-8.0'	↓		↓	↓	↓	✓	✓	-	-	-					
3	321848	SB13-0.5'									-	-	✓	✓	-		
		SB13-1.5'									-	-	-	-	-		
		SB13-3.0'									-	-	-	-	-		
4	321849	SB14-0.5'										-	-	✓	✓	-	
		SB14-1.5'										-	-	-	-	-	
		SB14-3.0'										-	-	-	-	-	
5	321850	SB15-0.5'										-	-	✓	✓	-	
		SB15-1.5'										-	-	-	-	-	

Collected By: Cristobal Ramirez	Date: 9/19/14	Time:	Relinquished By:	Date:	Time:	TAT
Relinquished By:	Date:	Time:	Received For Laboratory: Janet Chun	Date: 9/22/14	Time: 9:20	<input type="checkbox"/> Normal
Received By:	Date:	Time:	Condition of Sample:			<input checked="" type="checkbox"/> Rush



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

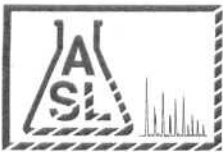
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED			
Address: <u>8799 Balboa Ave. #290</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>Same</u>		Arsenic 6010B OP 8081A	
San Diego, CA 92123		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>			
Telephone: <u>(858) 571-5500</u>		San Diego, CA		Address: <u>Same</u>			
Fax: _____		Project ID: <u>01214245.00 T3</u>		P.O.#: _____			
Special Instruction: <u>24 HRS TAT</u>		Project Manager: <u>Luke Montague</u>					
<u>l.montague@scsengineers.com</u>							
<u>c.ramirez@scsengineers.com</u>							

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation									Remarks
	Lab ID	Sample ID	Date	Time	#	Type												
		SB15-3.0'	9/19/14			Acetate Sleeve	Soil	4°C	-	-								
6	321851	SB16-0.5'							✓	✓								
		SB16-1.5'							-	-								
		SB16-3.0'							-	-								
7	321852	SB17-0.5'							✓	✓								
		SB17-1.5'							-	-								
		SB17-3.0'							-	-								
8	321853	SB18-0.5'							✓	✓								
		SB18-1.5'							-	-								
		SB18-3.0'							-	-								

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/19/14</u>	Time: _____	Relinquished By: _____	Date: _____	Time: _____	TAT
Relinquished By: _____	Date: _____	Time: _____	Received For Laboratory: <u>Janet Chin</u>	Date: <u>9/22/14</u>	Time: <u>9:20</u>	<input type="checkbox"/> Normal
Received By: _____	Date: _____	Time: _____	Condition of Sample: _____	<input checked="" type="checkbox"/> Rush		

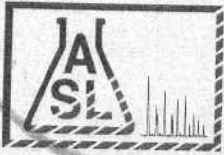


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COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>				Report To: <u>SCS Engineers</u>				ANALYSIS REQUESTED															
Address: <u>8799 Balboa Ave #290</u>				Project Name: <u>Riverwalk Golf Club</u>				Address: <u>Same</u>				<u>Arsenic 6010B</u> <u>OP 8081A</u> <u>CH 8151</u>											
San Diego, CA 92123				Site Address: <u>1150 Fashion Valley Rd</u>				Invoice To: <u>SCS Engineers</u>															
Telephone: <u>(858) 571-5500</u>				San Diego, CA				Address: <u>Same</u>															
Special Instruction: <u>24 HRS TAT</u>				Project ID: <u>01214245.00 T3</u>				P.O.#:															
<u>montague@scsengineers.com</u> <u>ramirez@scsengineers.com</u>				Project Manager: <u>Luke Montague</u>																			
ITEM	LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation													Remarks
	Lab ID	Sample ID	Date	Time	#	Type																	
9	321854	SB19-0.5'	9/19/14			Acetate sleeve	soil	4°C	✓	✓	✓												
10	321855	SB19-1.5'							✓	✓	-												
		SB19-3.0'							-	-	-												
11	321856	SB20-0.5'							✓	✓	-												
		SB20-1.5'							-	-	-												
		SB20-3.0'							-	-	-												
12	321857	SB21-0.5'							✓	✓	-												
		SB21-1.5'							-	-	-												
		SB21-3.0'							-	-	-												
13	321858	SB22-0.5'							✓	✓	-												
Collected By: <u>Cristobal A. Ramirez</u>				Date: <u>9/19/14</u> Time:				Relinquished By:				Date:				Time:				TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush			
Relinquished By:				Date:				Time:				Received For Laboratory: <u>Janet Chin</u>				Date: <u>9/22/14</u> Time: <u>9:20</u>							
Received By:				Date:				Time:				Condition of Sample:											



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Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# **G2131**

Company: SCS Engineers		Report To: SCS Engineers	ANALYSIS REQUESTED			
Address: 8799 Balboa Ave		Address: same	Arsenic 6010B	OP 8081A	CH 8151	
Project Name: Riverwalk Golf Club		Invoice To: SCS Engineers				
Site Address: 1150 Fashion Valley Rd.		Address: same				
San Diego, CA 92123		Project ID: 01214245.00 T3				
Telephone: (858) 571-5500		San Diego, CA				
Fax:						
Special Instruction: 24 HRS TAT		P.O.#:				
Email: lmontague@scsengineers.com cr Ramirez@scsengineers.com		Project Manager: Luke Montague				

ITEM	LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	Arsenic 6010B	OP 8081A	CH 8151	Remarks
	Lab ID	Sample ID	Date	Time	#	Type								
		SB22-1.5'	9/19/14			Acetate Sleeve	Soil	4°C	-	-	-			
		SB22-3.0							-	-	-			
14	321859	SB23-0.5'							✓	✓	-			
		SB23-1.5'							-	-	-			
		SB23-3.0'							-	-	-			
15	321860	SB24-0.5'							✓	✓	-			
		SB24-1.5'							-	-	-			
		SB24-3.0'							-	-	-			
16	321861	SB25-0.5'							✓	✓	-			
		SB25-1.5'							-	-	-			

Collected By: Cristobal Ramirez	Date: 9/19/14	Time:	Relinquished By:	Date:	Time:	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date:	Time:	Received For Laboratory: Janet Chin	Date: 9/22/14	Time: 9:20	
Received By:	Date:	Time:	Condition of Sample:			



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED											
Address: <u>8199 Balboa Ave #290</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>same</u>											
<u>San Diego, CA 92123</u>		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>											
Telephone: <u>(858) 571-5500</u>		<u>San Diego, CA</u>		Address: <u>same</u>											
Fax: _____		Project ID: <u>01214245.00 T3</u>													
Special Instruction: <u>24 HRS TAT</u>		Project Manager: <u>Luke Montague</u>		P.O.#: _____											
<u>lmontague@scsengineers.com</u>		<u>lramirez@scsengineers.com</u>													

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	-	-	-							Remarks
	Lab ID	Sample ID	Date	Time	#	Type													
		SB25-3.0'	9/19/14			Acetate sleeve	Soil	4°C	-	-	-								
17	321862	SB26-0.5'								✓	✓	-							
		SB26-1.5'								-	-	-							
18	321863	SB26-3.0'								✓	✓	✓							
19	321864	SB27-0.5'								✓	✓	-							
20	321865	SB27-1.5'								✓	✓	-							
		SB27-3.0'								-	-	-							
21	321866	SB28-0.5'								✓	✓	-							
22	321867	SB28-1.5'								✓	✓	-							
		SB28-3.0'								-	-	-							

Collected By: <u>Cristobal Ramirez</u>	Date <u>9/19/14</u>	Time _____	Relinquished By: _____	Date _____	Time _____	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By: _____	Date _____	Time _____	Received For Laboratory <u>Janet Chin</u>	Date <u>9/22/14</u>	Time <u>9:20</u>	
Received By: _____	Date _____	Time _____	Condition of Sample: _____			



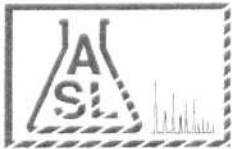
AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>				Report To:				ANALYSIS REQUESTED																			
Address:				Project Name:				Address:				<u>Arsenic 6010B</u> <u>OP 8081A</u> <u>CH 8151</u>															
				Site Address:				Invoice To:																			
Telephone Fax								Address:																			
Special Instruction <u>24HRS TAT</u>				Project ID:																							
E-mail:				Project Manager:				P.O.#:																			
I T E M	LAB USE ONLY	SAMPLE DESCRIPTION			Container(s)		Matrix	Preservation													Remarks						
	Lab ID	Sample ID	Date	Time	#	Type																					
23	321868	SB29-0.5'							✓	✓	-																
		SB29-1.5'								-	-	-															
		SB29-3.0'								-	-	-															
24	321869	SB30-0.5'							✓	✓	-																
		SB30-1.5'								-	-	-															
		SB30-3.0'								-	-	-															
25	321870	SB31-0.5'							✓	✓	-																
		SB31-1.5'								-	-	-															
		SB31-3.0'								-	-	-															
26	321871	SB32-0.5'							✓	✓	-																

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/19/14</u>	Time:	Relinquished By:	Date:	Time:	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date:	Time:	Received For Laboratory: <u>Janet Chin</u>	Date: <u>9/22/14</u>	Time: <u>9:20</u>	
Received By:	Date:	Time:	Condition of Sample:			



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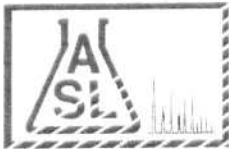
COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>		Report To:		ANALYSIS REQUESTED													
Address:		Project Name:		Address:													
		Site Address:		Invoice To:													
Telephone:				Address:													
Fax:																	
Special Instruction: <u>24HR TAT</u>		Project ID:															
E-mail:		Project Manager:		P.O.#:													

Arsenic GOLOB
 OP 8081A
 CH 8151

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	ANALYSIS REQUESTED												Remarks				
	Lab ID	Sample ID	Date	Time	#	Type																				
		SB32-1.5'																								
		SB32-3.0'																								
27	321872	SB33-0.5'								✓	✓															
		SB33-1.5'																								
		SB33-3.0'																								
28	321873	SB34-0.5'								✓	✓															
		SB34-1.5'																								
		SB34-3.0'																								
29	321874	SB35-0.5'								✓	✓															
		SB35-1.5'																								

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/19/14</u> Time:	Relinquished By:	Date:	Time:	TAT
Relinquished By:	Date:	Time:	Received For Laboratory: <u>Taret chin</u>	Date: <u>9/22/14</u> Time: <u>9:20</u>	<input type="checkbox"/> Normal
Received By:	Date:	Time:	Condition of Sample:		<input checked="" type="checkbox"/> Rush



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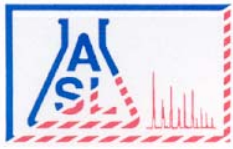
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: SCS Engineers		Report To:		ANALYSIS REQUESTED														
Address:		Project Name:		Address:		Arsenic 6010B OP 8081A CH 8151 TPH 8015B VOCs 8260B												
		Site Address:		Invoice To:														
Telephone Fax				Address:														
Special Instruction: 24HRS TAT		Project ID:																
E-mail:		Project Manager:		P.O.#:														

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation										Remarks
	Lab ID	Sample ID	Date	Time	#	Type													
		SB35-3.0'								-	-	-	-	-					
30	321875	SB36-0.5'								✓	✓	-	-	-					
		SB36-1.5'								-	-	-	-	-					
		SB36-3.0'								-	-	-	-	-					
31	321876	SB37-0.5'								✓	✓	-	-	-					
		SB37-1.5'								-	-	-	-	-					
		SB37-3.0'								-	-	-	-	-					
32	321877	GW 1								-	✓	-	✓	✓					

Collected By: Cristobal Ramirez	Date: 9/19/14	Time:	Relinquished By:	Date:	Time:	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date:	Time:	Received For Laboratory: Janet Chen	Date: 9/22/14	Time: 9:20	
Received By:	Date:	Time:	Condition of Sample:			



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: **2**

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

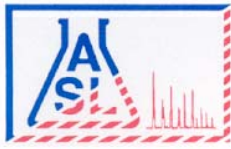
QC Batch No: 092114-1

Our Lab I.D.		321848	321849	321850	321851	321852
Client Sample I.D.		SB13-0.5'	SB14-0.5'	SB15-0.5'	SB16-0.5'	SB17-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	3.84	2.73	ND	0.345	21.0

QUALITY CONTROL REPORT

QC Batch No: 092114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	91	90	1.1	80-120	<20				



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ANALYTICAL RESULTS

Ordered By

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 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 3

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

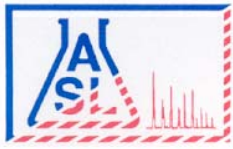
QC Batch No: 092114-1

Our Lab I.D.		321853	321854	321855	321856	321857
Client Sample I.D.		SB18-0.5'	SB19-0.5'	SB19-1.5'	SB20-0.5'	SB21-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	8.69	0.569	0.475	7.96	0.572

QUALITY CONTROL REPORT

QC Batch No: 092114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	91	90	1.1	80-120	<20				



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ANALYTICAL RESULTS

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 San Diego, CA 92123-

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 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: **4**

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

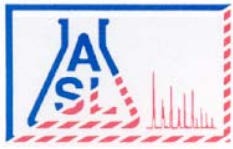
QC Batch No: 092114-1

Our Lab I.D.		321858	321859	321860	321861	321862
Client Sample I.D.		SB22-0.5'	SB23-0.5'	SB24-0.5'	SB25-0.5'	SB26-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	0.806	0.294	1.99	0.987	0.960

QUALITY CONTROL REPORT

QC Batch No: 092114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	91	90	1.1	80-120	<20				



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ANALYTICAL RESULTS

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 San Diego, CA

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Attn: Luke Montague

Page: 5

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

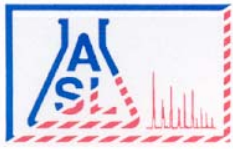
QC Batch No: 092114-2

Our Lab I.D.		321863	321864	321865	321866	321867
Client Sample I.D.		SB26-3.0'	SB27-0.5'	SB27-1.5'	SB28-0.5'	SB28-1.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	1.78	ND	ND	6.23	11.1

QUALITY CONTROL REPORT

QC Batch No: 092114-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	90	91	1.1	80-120	<20				



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ANALYTICAL RESULTS

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Page: 6

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

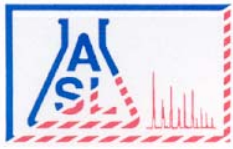
QC Batch No: 092114-2

Our Lab I.D.		321868	321869	321870	321871	321872
Client Sample I.D.		SB29-0.5'	SB30-0.5'	SB31-0.5'	SB32-0.5'	SB33-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	0.618	0.458	ND	1.50	ND

QUALITY CONTROL REPORT

QC Batch No: 092114-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	90	91	1.1	80-120	<20				



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ANALYTICAL RESULTS

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 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

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 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 7

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

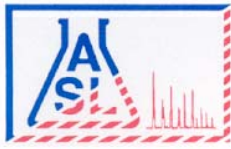
QC Batch No: 092114-2

Our Lab I.D.		321873	321874	321875	321876	
Client Sample I.D.		SB34-0.5'	SB35-0.5'	SB36-0.5'	SB37-0.5'	
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
ICP Metals						
Arsenic	0.250	0.509	0.449	0.645	2.54	

QUALITY CONTROL REPORT

QC Batch No: 092114-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	90	91	1.1	80-120	<20				



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ANALYTICAL RESULTS

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SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 8

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-092214

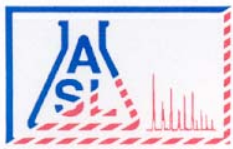
Our Lab I.D.		321846	321847			
Client Sample I.D.		B5-3.0'	B5-8.0'			
Date Sampled		09/19/2014	09/19/2014			
Date Prepared		09/22/2014	09/22/2014			
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH DROs (C10 to C28)	10.0	ND	ND			
TPH OROs (C28+)	50.0	ND	ND			

Our Lab I.D.		321846	321847			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Chlorobenzene	70-120	114	111			

QUALITY CONTROL REPORT

QC Batch No: S1D-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	92	93	1.1	75-120	<20					



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Telephone: (858)571-5500

Attn: Luke Montague

Page: 9

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

Site

1150 Fashion Valley Road
 San Diego, CA

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-092214

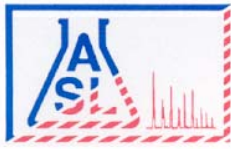
Our Lab I.D.		321846	321847			
Client Sample I.D.		B5-3.0'	B5-8.0'			
Date Sampled		09/19/2014	09/19/2014			
Date Prepared		09/22/2014	09/22/2014			
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH GROs (C6 to C10)	500	ND	ND			

Our Lab I.D.		321846	321847			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	96	88			

QUALITY CONTROL REPORT

QC Batch No: S1G-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	93	102	9.2	75-120	<20					
Toluene	90	94	4.3	75-120	<20					



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ANALYTICAL RESULTS

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1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

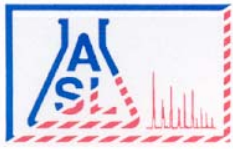
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321848	321849	321850	321851	321852
Client Sample I.D.		SB13-0.5'	SB14-0.5'	SB15-0.5'	SB16-0.5'	SB17-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321848	321849	321850	321851	321852
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	87	77	91	74	91



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

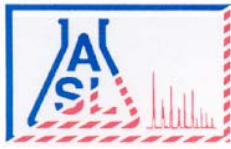
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	109	8.8	42-122	<30					
4,4'-DDT (DDT)	129	116	10.6	25-160	<30					
Dieldrin	124	126	1.6	36-146	<30					
Endrin	117	133	12.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	100	110	9.5	32-127	<30					
Heptachlor	101	107	5.8	34-111	<30					



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ANALYTICAL RESULTS

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Site

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

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Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

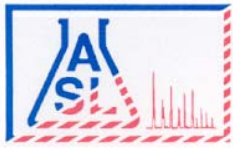
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321853	321854	321855	321856	321857
Client Sample I.D.		SB18-0.5'	SB19-0.5'	SB19-1.5'	SB20-0.5'	SB21-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	3.03
alpha-Chlordane	2.00	ND	ND	ND	ND	4.49
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321853	321854	321855	321856	321857
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	74	98	88	70	101



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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

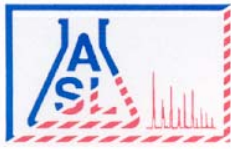
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	109	8.8	42-122	<30					
4,4'-DDT (DDT)	129	116	10.6	25-160	<30					
Dieldrin	124	126	1.6	36-146	<30					
Endrin	117	133	12.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	100	110	9.5	32-127	<30					
Heptachlor	101	107	5.8	34-111	<30					



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Telephone: (858)571-5500

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

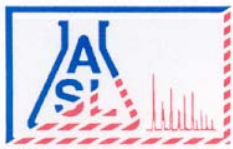
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321858	321859	321860	321861	321862
Client Sample I.D.		SB22-0.5'	SB23-0.5'	SB24-0.5'	SB25-0.5'	SB26-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	3.07	2.67
alpha-Chlordane	2.00	2.26	ND	ND	4.54	4.46
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321858	321859	321860	321861	321862
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	84	82	117	88	93



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

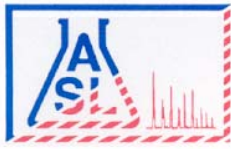
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	109	8.8	42-122	<30					
4,4'-DDT (DDT)	129	116	10.6	25-160	<30					
Dieldrin	124	126	1.6	36-146	<30					
Endrin	117	133	12.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	100	110	9.5	32-127	<30					
Heptachlor	101	107	5.8	34-111	<30					



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ANALYTICAL RESULTS

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1150 Fashion Valley Road
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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

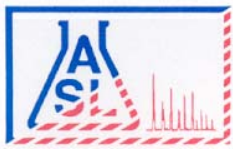
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321863	321864	321865	321866	321867
Client Sample I.D.		SB26-3.0'	SB27-0.5'	SB27-1.5'	SB28-0.5'	SB28-1.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321863	321864	321865	321866	321867
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	95	93	89	91	96



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

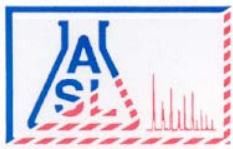
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	109	8.8	42-122	<30					
4,4'-DDT (DDT)	129	116	10.6	25-160	<30					
Dieldrin	124	126	1.6	36-146	<30					
Endrin	117	133	12.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	100	110	9.5	32-127	<30					
Heptachlor	101	107	5.8	34-111	<30					



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ANALYTICAL RESULTS

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Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

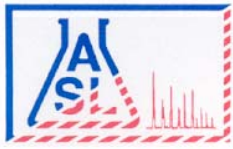
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-2

Our Lab I.D.		321868	321869	321870	321871	321872
Client Sample I.D.		SB29-0.5'	SB30-0.5'	SB31-0.5'	SB32-0.5'	SB33-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321868	321869	321870	321871	321872
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	108	89	99	88	96



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

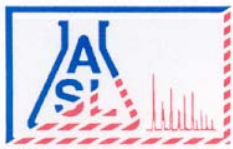
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	114	4.5	42-122	<30					
4,4'-DDT (DDT)	105	112	6.5	25-160	<30					
Dieldrin	109	124	12.9	36-146	<30					
Endrin	120	127	5.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	108	119	9.7	32-127	<30					
Heptachlor	102	108	5.7	34-111	<30					



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Page: 20

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

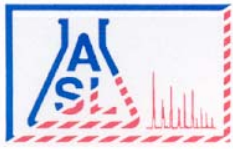
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-2

Our Lab I.D.		321873	321874	321875		
Client Sample I.D.		SB34-0.5'	SB35-0.5'	SB36-0.5'		
Date Sampled		09/19/2014	09/19/2014	09/19/2014		
Date Prepared		09/22/2014	09/22/2014	09/22/2014		
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Aldrin	2.00	ND	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND		
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND		
Gamma-Chlordane	2.00	ND	ND	ND		
alpha-Chlordane	2.00	ND	ND	ND		
4,4'-DDD (DDD)	4.00	ND	ND	9.79		
4,4'-DDE (DDE)	4.00	ND	ND	ND		
4,4'-DDT (DDT)	4.00	ND	ND	11.6		
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND		
Dieldrin	4.00	ND	ND	ND		
Endosulfan 1	2.00	ND	ND	ND		
Endosulfan 11	4.00	ND	ND	ND		
Endosulfan sulfate	4.00	ND	ND	ND		
Endrin	4.00	ND	ND	ND		
Endrin aldehyde	4.00	ND	ND	ND		
Endrin ketone	4.00	ND	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND		
Heptachlor	2.00	ND	ND	ND		
Heptachlor epoxide	2.00	ND	ND	ND		
Methoxychlor	4.00	ND	ND	ND		
Toxaphene	170	ND	ND	ND		
Chlordane, Total	170	ND	ND	ND		

Our Lab I.D.		321873	321874	321875		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	97	88	97		



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

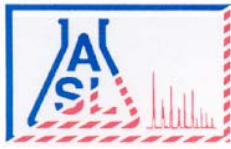
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	114	4.5	42-122	<30					
4,4'-DDT (DDT)	105	112	6.5	25-160	<30					
Dieldrin	109	124	12.9	36-146	<30					
Endrin	120	127	5.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	108	119	9.7	32-127	<30					
Heptachlor	102	108	5.7	34-111	<30					



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ANALYTICAL RESULTS

Ordered By

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1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

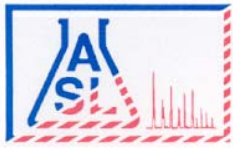
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-2A

Our Lab I.D.		321876			
Client Sample I.D.		SB37-0.5'			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Aldrin	2.00	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND			
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND			
Gamma-Chlordane	10.0	334			
alpha-Chlordane	10.0	565			
4,4'-DDD (DDD)	4.00	22.1			
4,4'-DDE (DDE)	20.0	261			
4,4'-DDT (DDT)	4.00	11.7			
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND			
Dieldrin	4.00	49.6			
Endosulfan 1	2.00	ND			
Endosulfan 11	4.00	ND			
Endosulfan sulfate	4.00	ND			
Endrin	4.00	ND			
Endrin aldehyde	4.00	ND			
Endrin ketone	4.00	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND			
Heptachlor	2.00	ND			
Heptachlor epoxide	2.00	20.7			
Methoxychlor	4.00	ND			
Toxaphene	170	ND			
Chlordane, Total	850	1430			

Our Lab I.D.		321876			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Decachlorobiphenyl	43-169	92			



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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

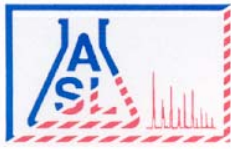
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-2A

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	114	4.5	42-122	<30					
4,4'-DDT (DDT)	105	112	6.5	25-160	<30					
Dieldrin	109	124	12.9	36-146	<30					
Endrin	120	127	5.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	108	119	9.7	32-127	<30					
Heptachlor	102	108	5.7	34-111	<30					



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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8151A, Chlorinated Herbicides by Gas Chromatography

QC Batch No: 092414-1

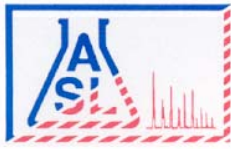
Our Lab I.D.		321854	321863		
Client Sample I.D.		SB19-0.5'	SB26-3.0'		
Date Sampled		09/19/2014	09/19/2014		
Date Prepared		09/22/2014	09/22/2014		
Preparation Method					
Date Analyzed		09/24/2014	09/24/2014		
Matrix		Soil	Soil		
Units		ug/kg	ug/kg		
Dilution Factor		1	1		
Analytes	PQL	Results	Results		
2,4-D	100	ND	ND		
2,4-DB	100	ND	ND		
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10.0	ND	ND		
2,4,5,-TP (Silvex)	10.0	ND	ND		
Dalapon	250	ND	ND		
Dicamba	10.0	ND	ND		
Dichloroprop	100	ND	ND		
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	50.0	ND	ND		
MCPA	10000	ND	ND		
MCPD	10000	ND	ND		

Our Lab I.D.		321854	321863		
Surrogates	% Rec.Limit	% Rec.	% Rec.		
Surrogate Percent Recovery					
2,4-Dichlorophenoxyacetic acid	30-130	111	161		

QUALITY CONTROL REPORT

QC Batch No: 092414-1

Analytes	LCS % REC	LCS/LCSD % Limit							
2,4-D	128	30-130							
2,4-DB	130	30-130							
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	118	30-130							



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Project ID: 01214245.00 T3

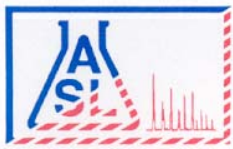
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Project Name: Riverwalk Golf Club

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092214

Our Lab I.D.		321846	321847			
Client Sample I.D.		B5-3.0'	B5-8.0'			
Date Sampled		09/19/2014	09/19/2014			
Date Prepared		09/22/2014	09/22/2014			
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
Acetone	50.0	ND	ND			
Benzene	2.00	ND	ND			
Bromobenzene (Phenyl bromide)	10.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND			
Bromoform (Tribromomethane)	50.0	ND	ND			
Bromomethane (Methyl bromide)	30.0	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND			
n-Butylbenzene	10.0	ND	ND			
sec-Butylbenzene	10.0	ND	ND			
tert-Butylbenzene	10.0	ND	ND			
Carbon disulfide	10.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND			
Chlorobenzene	10.0	ND	ND			
Chloroethane	30.0	ND	ND			
2-Chloroethyl vinyl ether	50.0	ND	ND			
Chloroform (Trichloromethane)	10.0	ND	ND			
Chloromethane (Methyl chloride)	30.0	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND			
Dibromochloromethane	10.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND			
Dibromomethane	10.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND			
Dichlorodifluoromethane	30.0	ND	ND			
1,1-Dichloroethane	10.0	ND	ND			



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ANALYTICAL RESULTS

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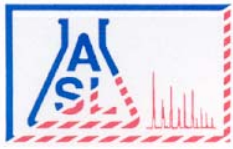
Project ID: 01214245.00 T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092214

Our Lab I.D.		321846	321847		
Client Sample I.D.		B5-3.0'	B5-8.0'		
Date Sampled		09/19/2014	09/19/2014		
Date Prepared		09/22/2014	09/22/2014		
Preparation Method					
Date Analyzed		09/22/2014	09/22/2014		
Matrix		Soil	Soil		
Units		ug/kg	ug/kg		
Dilution Factor		1	1		
Analytes	PQL	Results	Results		
1,2-Dichloroethane	10.0	ND	ND		
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND		
cis-1,2-Dichloroethene	10.0	ND	ND		
trans-1,2-Dichloroethene	10.0	ND	ND		
1,2-Dichloropropane	10.0	ND	ND		
1,3-Dichloropropane	10.0	ND	ND		
2,2-Dichloropropane	10.0	ND	ND		
1,1-Dichloropropene	10.0	ND	ND		
cis-1,3-Dichloropropene	10.0	ND	ND		
trans-1,3-Dichloropropene	10.0	ND	ND		
Ethylbenzene	2.00	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND		
2-Hexanone	50.0	ND	ND		
Isopropylbenzene	10.0	ND	ND		
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND		
MTBE	5.00	ND	ND		
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND		
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND		
Naphthalene	10.0	ND	ND		
n-Propylbenzene	10.0	ND	ND		
Styrene	10.0	ND	ND		
1,1,1,2-Tetrachloroethane	10.0	ND	ND		
1,1,2,2-Tetrachloroethane	10.0	ND	ND		
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND		
Toluene (Methyl benzene)	2.00	ND	ND		
1,2,3-Trichlorobenzene	10.0	ND	ND		
1,2,4-Trichlorobenzene	10.0	ND	ND		
1,1,1-Trichloroethane	10.0	ND	ND		
1,1,2-Trichloroethane	10.0	ND	ND		
Trichloroethene (TCE)	10.0	ND	ND		
Trichlorofluoromethane	10.0	ND	ND		
1,2,3-Trichloropropane	10.0	ND	ND		
1,2,4-Trimethylbenzene	10.0	ND	ND		
1,3,5-Trimethylbenzene	10.0	ND	ND		
Vinyl acetate	50.0	ND	ND		



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092214

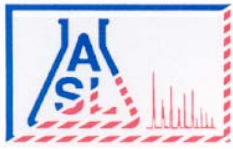
Our Lab I.D.		321846	321847			
Client Sample I.D.		B5-3.0'	B5-8.0'			
Date Sampled		09/19/2014	09/19/2014			
Date Prepared		09/22/2014	09/22/2014			
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
Vinyl chloride (Chloroethene)	30.0	ND	ND			
o-Xylene	2.00	ND	ND			
m- & p-Xylenes	4.00	ND	ND			

Our Lab I.D.		321846	321847			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	108	106			
Dibromofluoromethane	70-120	100	100			
Toluene-d8	70-120	101	101			

QUALITY CONTROL REPORT

QC Batch No: S1B-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	103	107	3.8	75-120	15					
Chlorobenzene	110	114	3.6	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	81	92	12.7	75-120	15					
MTBE	95	95	<1	75-120	15					
Toluene (Methyl benzene)	107	113	5.5	75-120	15					
Trichloroethene (TCE)	103	106	2.9	75-120	15					



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ANALYTICAL RESULTS

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Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: W1D-092214

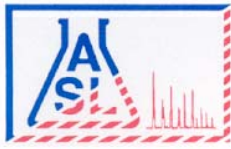
Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		mg/L			
Dilution Factor		1			
Analytes	PQL	Results			
TPH DROs (C10 to C28)	0.500	ND			
TPH OROs (C28+)	0.500	ND			

Our Lab I.D.		321877			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Chlorobenzene	70-120	88			

QUALITY CONTROL REPORT

QC Batch No: W1D-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Diesel	98	102	4.0	75-120	<20				



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Project ID: 01214245.00 T3

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Project Name: Riverwalk Golf Club

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: W1G-092214

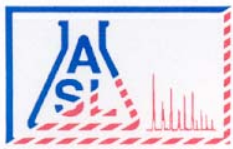
Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
TPH GROs (C6 to C10)	50.0	ND			

Our Lab I.D.		321877			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	90			

QUALITY CONTROL REPORT

QC Batch No: W1G-092214

Analytes	MS % REC	MS DUP % REC	RPD %						
Benzene	87	95	8.8						
Toluene	87	92	5.6						



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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

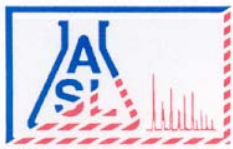
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
Aldrin	0.0400	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	0.120	ND			
Beta-Hexachlorocyclohexane (Beta-BHC)	0.110	ND			
Gamma-Chlordane	0.400	ND			
alpha-Chlordane	0.400	ND			
4,4'-DDD (DDD)	0.100	ND			
4,4'-DDE (DDE)	0.0900	ND			
4,4'-DDT (DDT)	0.0400	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	0.110	ND			
dieldrin	0.0500	ND			
Endosulfan 1	0.0600	ND			
Endosulfan 11	0.0900	ND			
Endosulfan sulfate	0.0700	ND			
Endrin	0.0800	ND			
Endrin aldehyde	0.0900	ND			
Endrin ketone	0.0700	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.0600	ND			
Heptachlor	0.0300	ND			
Heptachlor epoxide	0.0700	ND			
Methoxychlor	0.100	ND			
Toxaphene	10.0	ND			
Chlordane, Total	10.0	ND			

Our Lab I.D.		321877			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Decachlorobiphenyl	43-169	72			



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

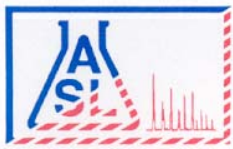
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	120	119	<1	42-122	<30					
4,4'-DDT (DDT)	116	110	5.3	25-160	<30					
dieldrin	119	99	18.3	36-146	<30					
Endrin	109	139	24.2	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	109	102	6.6	32-127	<30					
Heptachlor	110	103	6.6	34-111	<30					



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

1150 Fashion Valley Road
San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 32

Project ID: 01214245.00 T3

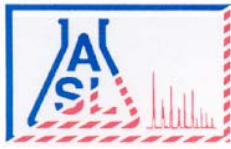
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-092214

Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
Acetone	5.00	ND			
Benzene	1.00	ND			
Bromobenzene (Phenyl bromide)	1.00	ND			
Bromochloromethane (Chlorobromomethane)	1.00	ND			
Bromodichloromethane (Dichlorobromomethane)	1.00	ND			
Bromoform (Tribromomethane)	5.00	ND			
Bromomethane (Methyl bromide)	3.00	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.00	ND			
n-Butylbenzene	1.00	ND			
sec-Butylbenzene	1.00	ND			
tert-Butylbenzene	1.00	ND			
Carbon disulfide	1.00	ND			
Carbon tetrachloride (Tetrachloromethane)	1.00	ND			
Chlorobenzene	1.00	ND			
Chloroethane	3.00	ND			
2-Chloroethyl vinyl ether	5.00	ND			
Chloroform (Trichloromethane)	1.00	ND			
Chloromethane (Methyl chloride)	3.00	ND			
4-Chlorotoluene (p-Chlorotoluene)	1.00	ND			
2-Chlorotoluene (o-Chlorotoluene)	1.00	ND			
1,2-Dibromo-3-chloropropane (DBCP)	5.00	ND			
Dibromochloromethane	1.00	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	1.00	ND			
Dibromomethane	1.00	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.00	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.00	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	1.00	ND			
Dichlorodifluoromethane	3.00	ND			
1,1-Dichloroethane	1.00	ND			



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ANALYTICAL RESULTS

Page: **33**

Project ID: 01214245.00 T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-092214

Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
1,2-Dichloroethane	1.00	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	1.00	ND			
cis-1,2-Dichloroethene	1.00	1.22			
trans-1,2-Dichloroethene	1.00	ND			
1,2-Dichloropropane	1.00	ND			
1,3-Dichloropropane	1.00	ND			
2,2-Dichloropropane	1.00	ND			
1,1-Dichloropropene	1.00	ND			
cis-1,3-Dichloropropene	1.00	ND			
trans-1,3-Dichloropropene	1.00	ND			
Ethylbenzene	1.00	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3.00	ND			
2-Hexanone	5.00	ND			
Isopropylbenzene	1.00	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	1.00	ND			
MTBE	2.00	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	5.00	ND			
Methylene chloride (Dichloromethane, DCM)	5.00	ND			
Naphthalene	1.00	ND			
n-Propylbenzene	1.00	ND			
Styrene	1.00	ND			
1,1,1,2-Tetrachloroethane	1.00	ND			
1,1,1,2-Tetrachloroethane	1.00	ND			
Tetrachloroethene (Tetrachloroethylene)	1.00	ND			
Toluene (Methyl benzene)	1.00	ND			
1,2,3-Trichlorobenzene	1.00	ND			
1,2,4-Trichlorobenzene	1.00	ND			
1,1,1-Trichloroethane	1.00	ND			
1,1,2-Trichloroethane	1.00	ND			
Trichloroethene (TCE)	1.00	ND			
Trichlorofluoromethane	1.00	ND			
1,2,3-Trichloropropane	1.00	ND			
1,2,4-Trimethylbenzene	1.00	ND			
1,3,5-Trimethylbenzene	1.00	ND			
Vinyl acetate	5.00	ND			



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ANALYTICAL RESULTS

Page: **34**

Project ID: 01214245.00 T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-092214

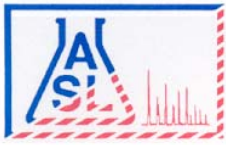
Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
Vinyl chloride (Chloroethene)	3.00	ND			
o-Xylene	1.00	ND			
m- & p-Xylenes	2.00	ND			

Our Lab I.D.		321877			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	106			
Dibromofluoromethane	70-120	92			
Toluene-d8	70-120	100			

QUALITY CONTROL REPORT

QC Batch No: W1B-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	109	111	1.8	75-120	15				
Chlorobenzene	112	115	2.6	75-120	15				
1,1-Dichloroethene (1,1-Dichloroethylene)	92	94	2.2	75-120	15				
MTBE	108	100	7.7	75-120	15				
Toluene (Methyl benzene)	113	116	2.6	75-120	15				
Trichloroethene (TCE)	109	106	2.8	75-120	15				



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Environmental Testing Services

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Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Number of Pages 6
Date Received 09/22/2014
Date Reported 10/02/2014

Telephone (858) 571-5500
Attn Christobal Ramirez

Job Number	Ordered	Client
62190	09/25/2014	SCS

Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club
Site: 1150 Fashion Valley Road
San Diego, CA

Enclosed are the results of analyses on 10 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

From: Ramirez, Cristobal [mailto:CRamirez@scsengineers.com]

Sent: Thursday, September 25, 2014 7:56 AM

To: Alen Hosepian

Please analyze the following samples under normal TAT for organochlorine pesticides (Method 8081A):

Additional Test request

ASL JOB # 62190

Requested Date : 9/25/14

Normal TAT

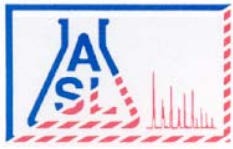
Report Due Date : 10/2/14

	Sample ID	Sample Date	Matrix	Analysis	Analysis	NEW ID
1	SB1-1.5	9/18/2014	Soil	8081A	Pesticides	322150
2	SB21-1.5	9/19/2014	Soil	8081A	Pesticides	322151
3	SB25-1.5	9/19/2014	Soil	8081A	Pesticides	322152
4	SB26-1.5	9/19/2014	Soil	8081A	Pesticides	322153
5	SB36-1.5	9/19/2014	Soil	8081A	Pesticides	322154
6	SB37-1.5	9/19/2014	Soil	8081A	Pesticides	322155

And Arsenic (Method 6010B):

7	SB8-1.5	9/18/2014	Soil	6010B	Arsenic	322156
8	SB9-3.0	9/18/2014	Soil	6010B	Arsenic	322157
9	SB17-1.5	9/19/2014	Soil	6010B	Arsenic	322158
10	SB28-3.0	9/19/2014	Soil	6010B	Arsenic	322159

Cristobal A. Ramirez, CAC
Senior Project Professional
SCS Engineers



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Christobal Ramirez

Page: **2**

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

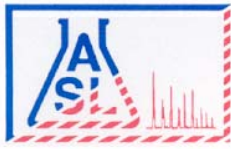
QC Batch No: 100214-1

Our Lab I.D.		322156	322157	322158	322159	
Client Sample I.D.		SB8-1.5	SB9-3.0	SB17-1.5	SB28-3.0	
Date Sampled		09/18/2014	09/18/2014	09/19/2014	09/19/2014	
Date Prepared		10/02/2014	10/02/2014	10/02/2014	10/02/2014	
Preparation Method						
Date Analyzed		10/02/2014	10/02/2014	10/02/2014	10/02/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
ICP Metals						
Arsenic	0.250	4.35	5.58	34.9	0.922	

QUALITY CONTROL REPORT

QC Batch No: 100214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	93	95	2.9	80-120	<20				



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Christobal Ramirez

Page: 3

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

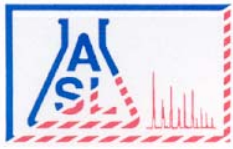
ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 100114-1

Our Lab I.D.		322150	322151	322152	322153	322154
Client Sample I.D.		SB1-1.5	SB21-1.5	SB25-1.5	SB26-1.5	SB36-1.5
Date Sampled		09/18/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		10/01/2014	10/01/2014	10/01/2014	10/01/2014	10/01/2014
Preparation Method						
Date Analyzed		10/01/2014	10/01/2014	10/01/2014	10/01/2014	10/01/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		322150	322151	322152	322153	322154
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	83	85	108	94	101



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Environmental Testing Services

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ANALYTICAL RESULTS

Page: **4**

Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

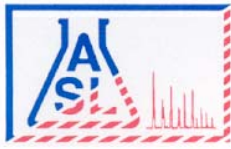
ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 100114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	82	88	7.1	42-122	<30					
4,4'-DDT (DDT)	88	100	12.8	25-160	<30					
Dieldrin	84	92	9.1	36-146	<30					
Endrin	86	92	6.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	86	89	3.4	32-127	<30					
Heptachlor	84	87	3.5	34-111	<30					



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Christobal Ramirez

Page: 5

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

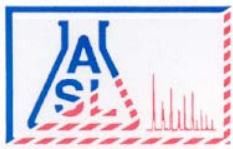
ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 100114-1

Our Lab I.D.		322155			
Client Sample I.D.		SB37-1.5			
Date Sampled		09/19/2014			
Date Prepared		10/01/2014			
Preparation Method					
Date Analyzed		10/01/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Aldrin	2.00	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND			
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND			
Gamma-Chlordane	2.00	ND			
alpha-Chlordane	2.00	ND			
4,4'-DDD (DDD)	4.00	ND			
4,4'-DDE (DDE)	4.00	ND			
4,4'-DDT (DDT)	4.00	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND			
Dieldrin	4.00	ND			
Endosulfan 1	2.00	ND			
Endosulfan 11	4.00	ND			
Endosulfan sulfate	4.00	ND			
Endrin	4.00	ND			
Endrin aldehyde	4.00	ND			
Endrin ketone	4.00	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND			
Heptachlor	2.00	ND			
Heptachlor epoxide	2.00	ND			
Methoxychlor	4.00	ND			
Toxaphene	170	ND			
Chlordane, Total	170	ND			

Our Lab I.D.		322155			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Decachlorobiphenyl	43-169	97			



AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Page: **6**

Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

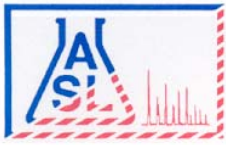
ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 100114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	82	88	7.1	42-122	<30					
4,4'-DDT (DDT)	88	100	12.8	25-160	<30					
Dieldrin	84	92	9.1	36-146	<30					
Endrin	86	92	6.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	86	89	3.4	32-127	<30					
Heptachlor	84	87	3.5	34-111	<30					



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Number of Pages 2
Date Received 09/19/2014
Date Reported 10/16/2014

Telephone (858) 571-5500
Attn Christobal Ramirez

Job Number	Ordered	Client
62353	10/13/2014	SCS

Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

Enclosed are the results of analyses on 1 sample analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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Environmental Testing Services

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Additional Request (10/13/14)

1 d 2

3 Days Rush, Report Due: 10/16/14 Page 5 of 8

NEW JOB# 62353

COC# N° 50689 GLOBAL ID

E REPORT: PDF EDF EDD ASL JOB# 62115

Company SCS Engineers	Report To SCS	ANALYSIS REQUESTED		
Address	Address: Same	Arsenic 6010B OP 8081A CH 8151		
Project Name: Riverwalk Golf Club	Invoice To SCS			
Site Address	Address: Same			
Telephone	Project ID 01214245.00 T3			
Fax	Project Manager			
Special Instructions 24 HRS TAT	P.O.#			

ITEM	LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	New I.D.	Remarks
	Lab ID	Sample ID	Date	Time	#	Type						
		SB8-3.0'	9/18/14			Acetate sleeve	Soil	4°C	-	-	-	
24	321778	SB9-0.5'							✓	✓	✓	
25	321779	SB9-1.5'							✓	✓	-	
		SB9-3.0'							⊗	-	-	320976
26	321780	SB10-0.5'							✓	✓	-	
27	321781	SB11-0.5'							✓	✓	-	
		SB11-1.5'							-	-	-	
28	321782	SB11-3.0'							✓	✓	-	
29	321783	SB12-0.5'							✓	✓	-	
		SB12 1.5'							-	-	-	

Collected By Cristobal Ramirez	Date 9/18/14	Time	Relinquished By	Date	Time	TAT
Relinquished By	Date	Time	Received For Laboratory Janet Chun	Date 9/19/14	Time 11:20	<input type="checkbox"/> Normal
Received By	Date	Time	Condition of Sample			<input checked="" type="checkbox"/> Rush

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AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel (323) 223-9700 • Fax: (323) 223-9500

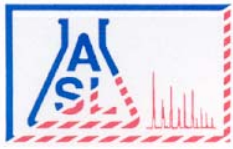
NEW JOB # 62353

COC# N^o 65082 GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: SCS Engineers		Report To: SCS Engineers		ANALYSIS REQUESTED			
Address: 8799 Balboa Ave. #290		Project Name: Riverwalk Golf Club		Address: Same		Arsenic 6010B OP 8081A	
San Diego, CA 92123		Site Address: 1150 Fashion Valley Rd		Invoice To: SCS Engineers			
Telephone: (858) 571-5500		San Diego, CA		Address: Same			
Fax:		Project ID: 01214245.00 T3		PO#:			
Special Instruction: 24 HRS TAT		Project Manager: Luke Montague		New I.D.			
Email: lmontague@scsengineers.com							
Email: cramirez@scsengineers.com							

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation									Remarks
	Lab ID	Sample ID	Date	Time	#	Type												
		SB15-3.0'	9/19/14			Acetate Sleeve	Soil	4°C	-	-								
6	321851	SB16-0.5'							✓	✓								
		SB16-1.5'							-	-								
		SB16-3.0'							-	-								
7	321852	SB17-0.5'							✓	✓								
		SB17-1.5'							-	-								
		SB17-3.0'							⊗	-								322977
8	321853	SB18-0.5'							✓	✓								
		SB18-1.5'							-	-								
		SB18-3.0'							-	-								

Collected By: Cristobal Ramirez	Date: 9/19/14	Time:	Relinquished By:	Date:	Time:	TAT
Relinquished By:	Date:	Time:	Received For Laboratory: Janet Chin	Date: 9/22/14	Time: 9:20	<input type="checkbox"/> Normal
Received By:	Date:	Time:	Condition of Sample:			<input checked="" type="checkbox"/> Rush



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Telephone: (858)571-5500

Attn: Christobal Ramirez

Page: **2**

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62353	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

QC Batch No: 101414-1

Our Lab I.D.		322977			
Client Sample I.D.		SB17-3.0'			
Date Sampled		09/19/2014			
Date Prepared		10/14/2014			
Preparation Method					
Date Analyzed		10/15/2014			
Matrix		Soil			
Units		mg/Kg			
Dilution Factor		1			
Analytes	PQL	Results			
ICP Metals					
Arsenic	0.250	6.66			

QUALITY CONTROL REPORT

QC Batch No: 101414-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	96	105	8.6	80-120	<20				



Subsurface Assessment

Riverwalk Phase 2 Portions of Assessor's Parcel Numbers 437-240-26, -27, -28, and -29 Portions of 1150 Fashion Valley Road San Diego, California

Presented to:

RELATED CALIFORNIA
18201 Von Karman Avenue, Suite 900
Irvine, California 92612
(949) 660-7272

Presented by:

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123
(858) 571-5500

October 20, 2014
Project Number: 01214245.00

Offices Nationwide
www.scsengineers.com

October 20, 2014
Project Number: 01214245.00

Mr. Rick Westberg
Related California
18201 Von Karman Avenue, Suite 900
Irvine, California 92612

Subject: Subsurface Assessment

**Site: Riverwalk Phase 2
Portions of Assessor's Parcel Numbers (APNs) 437-240-26, -27, -28, and -29
Portions of 1150 Fashion Valley Road
San Diego, California**

Dear Mr. Westberg:

SCS Engineers (SCS) is pleased to present this report (Report) of the subsurface assessment activities (Assessment) of the above-described Site. This Report summarizes the results of the Assessment that was conducted in order to evaluate the current and former potential usage of pesticides at the Site. The work described in this Report was performed by SCS in general accordance with the Environmental Services Agreement (Contract) and Amendment 1 to Environmental Services Agreement (Amendment) between SCS and Related California (Client). The Contract is dated August 1, 2014, and the Amendment is dated September 9th, 2014.

SCS enjoyed working with you on this project. Providing economic environmental solutions to meet your needs is more than our goal, it is our mission and the measure of our success. If we may assist you in any way, now or in the future, please do not hesitate to call our office at (858) 571-5500.

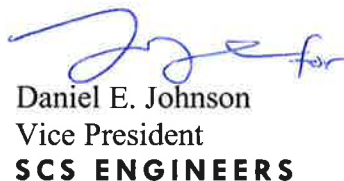
Sincerely,



Cristobal A. Ramirez, CAC
Project Professional
SCS ENGINEERS



Luke Montague, MESM, PG 8071
Senior Project Professional
SCS ENGINEERS



Daniel E. Johnson
Vice President
SCS ENGINEERS

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Appendix

A Laboratory Analytical Reports and Chain of Custody Documentation

1 BACKGROUND

SCS Engineers (SCS) understands that the site is currently identified as portions of 1150 Fashion Valley Road, San Diego, California (Site) with portions of Assessor's Parcel Numbers (APNs) 437-240-26, -27, -28, and -29. The Site (identified by the Client as Phase 2) is developed primarily as a golf course, identified as Riverwalk Golf Club, and encompasses the areas of the golf course located south of the San Diego Metropolitan Transit Development System / trolley right-of-way (inclusive) and north of the San Diego River (inclusive). It was reported that the Client is proposing to purchase and develop the Site into various land uses including residential and mixed-use. The Client reported that Site soil grading is anticipated to balance, and no soil export is proposed at this time.

SCS recently prepared a draft report for the Site titled "Phase I Environmental Site Assessment," dated September 9, 2014 (Phase I ESA), which provided the following conclusions and/or recommendations in connection with the Site:

- "Historical and current use of pesticides and herbicides at the Site. SCS recommends that subsurface assessment activities be conducted (e.g., soil sampling)."

Based on conversations with the Client, we have developed a subsurface investigation scope of work to assess certain potential recognized environmental conditions at the Site (soil samples in connection with potential historical use of organochlorine pesticides (OCPs), metal-based pesticides and chlorinated herbicides at the golf course and former agricultural areas of the property). The objective, scope of work, results and conclusions of this investigation are presented below.

2 OBJECTIVE

The objective of the proposed scope of services was to assess the possible presence of organochlorine pesticides, chlorinated herbicides, and arsenic (for arsenical pesticides) in the shallow soil at the Site in connection with historical and current use of pesticides at the Site.

3 SCOPE OF SERVICES

PREPARATION FOR FIELDWORK

Preparation of Health and Safety Plan

A health and safety plan for work conducted at the Site and workers within the "exclusion zone" is required pursuant to the regulations found in 29 Code of Federal Regulations Part 1910.120 and California Code of Regulations, Title 8, Section 5192. Therefore, a health and safety plan was prepared for the proposed work scope, which outlined the potential chemical and physical hazards that may be encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the anticipated Site-specific chemical and physical hazards were detailed in this plan. SCS personnel involved

with the field work were required to read and sign this document in order to encourage proper health and safety practices.

Utility Search and Markout

SCS notified Underground Service Alert as required by state law, and Ticket Number A42580387 was issued. These procedures were designed to minimize the likelihood of drilling into a subsurface utility. In addition, a private utility locator, Accutech Services, was retained to clear boring locations.

FIELD ACTIVITIES

Subsurface Investigation for Pesticides

On September 18 and 19, 2014, a total of eight soil borings (SB19 through SB26) were advanced at the Site with the use of a truck-mounted, direct-push drilling rig to assess possible presence of organochlorine pesticides, chlorinated herbicides, and arsenic (for arsenical pesticides) in the shallow soil at the Site in connection with historical and current use of pesticides at the Site. Soil sampling was conducted in representative current golf green areas and former agricultural areas in a semi-grid pattern. Soil samples were collected from each boring location at depths of approximately 0.5, 1.5, and 3.0 feet below ground surface (bgs).

Soil samples were collected from each boring with a direct-push sampler for analysis. Between sampling events, the sampler was decontaminated with a water/Alconox™ solution wash and two tap water rinses. Soil samples were driven into acetate sleeves. The ends of the acetate sleeves were covered with Teflon™ sheeting and tightly closed with end caps for handling and transportation activities. The sample containers were labeled and packed in ice-filled coolers.

The soil samples were submitted to American Scientific Laboratories, a state-accredited environmental laboratory, and selected samples were analyzed for the following:

- Thirteen soil samples were analyzed for organochlorine pesticides (in general accordance with U.S. Environmental Protection Agency [EPA] Method 8081A)
- Two soil samples were analyzed for chlorinated herbicides (in general accordance with EPA Method 8151A)
- Ten soil and samples were analyzed for arsenic (in general accordance with EPA Method 6010B).

A summary of the laboratory results from the soil samples analyzed is presented (Tables 1, 2, and 3). A copy of the laboratory report is provided in the Appendix.

4 FINDINGS

TOPOGRAPHY, GEOLOGY, HYDROGEOLOGY, AND WATER QUALITY SURVEY

Topography

A topographic map for the Site vicinity was reviewed and is summarized in the following table:

Reported Elevation	Approximately 20 to 30 feet above mean sea level
Reported Slope Direction	Slopes down to the southwest
Source	United States Geological Survey 7.5 Minute Topographic Map, La Jolla, California - San Diego County, 1967, photo-revised 1975

Geology

The geology of the Site as observed during sampling activities is summarized below along with the reported Site vicinity formation information derived from the below referenced source:

Reported and Observed Formation	1 to 5 feet thick of compacted fill, underlain by Quaternary Alluvium
Reported and Observed Description	Fill soils and Quaternary Alluvium were both observed and reported to generally consist of clayey, silty sand with varying amounts of gravel and cobbles.
Source	Geologic Map of the San Diego 30x60 Quadrangle, California, Kennedy, Michael P., and Tan, Siang S, United States Geological Survey, 2005

Hydrogeology

Based on a review of a Department of Environmental Health (DEH) Closure Letter in connection to the removal of underground storage tanks in the Site vicinity, *Unauthorized Release Case #H05129-002, ARCO Facility 3052, 6899 Friars Road, San Diego, California*, dated April 15, 2010, the depth to groundwater at this facility was reported to range from 20 to 37 feet below grade, and the groundwater flow direction was reported to be southwest. The actual depth to groundwater and flow direction at the Site may be different. Groundwater was not encountered during this sampling event.

Water Quality Survey

The following table summarizes the reported water quality in the Site vicinity:

Reported Hydrologic Subarea	Mission San Diego (907.11)
Reported Hydrologic Area	Lower San Diego (907.1)
Reported Hydrologic Unit	San Diego (907)

Reported Beneficial Use	Agricultural, Industrial, and potentially Municipal
Source	California Regional Water Quality Control Board (RWQCB), San Diego Region, <i>Water Quality Control Plan for the San Diego Basin</i> , September 8, 1994, with amendments effective prior to April 25, 2007.

LABORATORY ANALYTICAL RESULTS

Soil Samples

The reported analytical results for soil samples collected on September 18 and 19, 2014, are depicted on Figure 2 and tabulated on Tables 1, 2, and 3. The laboratory reports are included (Appendix A).

Pesticides

The analytical results for soil samples with reported concentrations of organochlorine pesticides, chlorinated herbicides, and arsenic above laboratory reporting limits are summarized below.

Sample Identifier	Depth (feet bgs)	Organochlorine Pesticides (EPA Method 8081A) (µg/kg)		
		Gamma- Chlordane	Alpha-Chlordane	Chlordane
SB21-0.5	0.5	3.03	4.49	<170
SB22-0.5	0.5	<2	2.26	<170
SB25-0.5	0.5	3.07	4.54	<170
SB26-0.5	0.5	2.67	4.46	<170
CHHSL¹ (µg/kg)		430	430	430
RSL² (µg/kg)		1,800	1,800	1,800

Notes:

Soil samples analyzed for organochlorine pesticides (OCPs) according to EPA Method 8081A

Depth in feet below ground surface (feet bgs)

OCPs reported in micrograms per kilogram (µg/kg)

<: concentration less than the indicated laboratory reporting limit

Sample Identifier	Depth (feet bgs)	EPA Method 6010B
		Arsenic (mg/kg)
SB19-0.5	0.5	0.569
SB19-1.5	1.5	0.475
SB20-0.5	0.5	7.96

¹ California Human Health Screening Levels (CHHSL): California Environmental Protection Agency screening concentrations of 54 hazardous chemicals, established to be protective for humans (lifetime cancer risk of 10⁻⁶ and a noncancer hazard quotient of 1.0) under standard exposure scenarios. Dated January 2005.

² Regional Screening Level (RSL): EPA risk-based concentrations derived from standardized equations combining exposure information assumptions with toxicity data, dated May 2014. RSLs are considered by the EPA to be protective for humans (including sensitive groups) over a lifetime.

Sample Identifier	Depth (feet bgs)	EPA Method 6010B
		Arsenic (mg/kg)
SB21-0.5	0.5	0.572
SB22-0.5	0.5	0.806
SB23-0.5	0.5	0.294
SB24-0.5	0.5	1.99
SB25-0.5	0.5	0.987
SB26-0.5	0.5	0.960
SB26-3.0	3.0	1.78
Residential CHHSL (mg/kg)		0.07
Residential RSL (mg/kg)		0.67
Department of Toxic Substances Control (DTSC) Background Level³ (mg/kg)		12

Notes:

Soil samples analyzed for arsenic in general accordance with EPA Method 6010B

Depth in feet below ground surface (feet bgs)

Arsenic reported in milligrams per kilogram (mg/kg)

ND: Not detected above the indicated laboratory reporting limit

Bold numbers indicate samples detected above the DTSC Background Level

5 DISCUSSION

PESTICIDES

Risk-Based Screening Criteria

A guidance document regarding the use of CHHSLs (*Use of California Human Health Screening Levels [CHHSLs] in Evaluation of Contaminated Properties*) has been developed by the California Environmental Protection Agency. The CHHSLs can be used to screen sites for potential human health concerns where releases of hazardous chemicals to soils have occurred. Under most circumstances, and within the limitations described in this document, the presence of a chemical in soil, soil gas, or indoor air at concentrations below the corresponding CHHSLs can be assumed to not pose a significant health risk to people who may live (residential CHHSLs) at the Site. The presence of a chemical at concentrations in excess of a CHHSL does not indicate that adverse impacts to human health are occurring or will occur but suggests that further evaluation of potential human health concerns is warranted.

An additional guidance document titled *Regional Screening Levels (RSL) Summary Table* (May 2014), has been developed by the EPA to “provide default screening tables and a calculator to assist Remedial Project Managers (RPMs), On Scene Coordinators (OSCs), risk assessors, and

³ *Determination of a Southern California Regional Background Arsenic Concentration in Soil, Chernoff, G., Bosan, W., Oudiz, D., and California Department of Toxic Substances Control, 2008 Society of Toxicology Annual Meeting..*

others involved in decision making concerning CERCLA hazardous waste sites and to determine whether levels of contamination found at the site may warrant further investigation or site cleanup, or whether no further investigation or action may be required.” According to this document, “It should be emphasized that screening levels (SLs) are not cleanup standards ... Site-specific information may warrant modifying the default parameters in the equations and calculating site-specific SLs, which may differ from the values in these tables.”

For the purposes of this Assessment, the constituents of concern (CoCs) were conservatively compared to their respective residential CHHSL or RSL, whichever was lower and are further discussed below.

Organochlorine Pesticides

Chlordane

Alpha- and gamma-chlordane were detected above the laboratory reporting limit in 4 of the 13 samples analyzed for OCPs with maximum reported concentrations of 3.07 µg/kg of gamma-chlordane and 4.54 µg/kg of alpha-chlordane. No sample concentrations of alpha- or gamma-chlordane were above the RSL of 1,800 µg/kg or the CHHSL of 430 µg/kg. No other organochlorine pesticides were detected above the laboratory reporting limits at the Site.

Arsenic

The results of the arsenic analysis of the shallow soil samples indicate that concentrations of arsenic exceed the CHHSL and RSL in every sample.

While arsenic concentrations exceed the CHHSL, arsenic is commonly present in California soils in concentrations that exceed risk criteria under naturally occurring conditions. The residential CHHSL for arsenic is 0.07 milligrams per kilogram (mg/kg) and the residential RSL is 0.67 mg/kg; however, arsenic is known to naturally occur in soil, particularly western United States soils, in concentrations well above the CHHSL. Based on a report prepared by the United States Geological Survey (USGS)⁴, the background concentrations of arsenic in the western United States range from 2.8 to 10.9 mg/kg. In another report prepared specifically for California soils⁵, the background concentrations of arsenic in California soil range from 0.6 to 11.0 mg/kg. In an abstract presented by DTSC staff at the 2008 Society of Toxicology Annual Meeting⁶, it was reported that the upper-bound background concentration for arsenic in southern California soil is 12 mg/kg.

⁴ *Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States*, by J. G. Boengen and H. T. Shacklette, USGS Professional Paper No. 1270, 1984.

⁵ *Background Concentrations of Trace and Major Elements in California Soils*, by G. R. Bradford, et al., Kearny Foundation of Soil Science Division of Agriculture and Natural Resources University of California, March 1996.

⁶ *Determination of a Southern California Regional Background Arsenic Concentration in Soil*, Chernoff, G., Bosan, W., Oudiz, D., and California Department of Toxic Substances Control, 2008 Society of Toxicology Annual Meeting.

Given that the highest reported arsenic concentration is 7.95 mg/kg, the arsenic concentrations in shallow soil at the Site are within reported background concentrations and do not appear to be indicative of a release of arsenic.

WASTE-BASED CRITERIA

It has been SCS' experience that in order for soil to be classified as a regulated or hazardous waste, the soil would need first be considered a waste (e.g., to be excavated and transported off-Site). It is SCS' understanding that the Client does not intend to export soil during redevelopment activities; therefore, waste criteria are not applicable and an evaluation of waste based cleanup criteria was not performed. Should the Client choose to export soil at some later point, additional laboratory analysis would be required for the following waste characterizations.

Hazardous Waste Characterization

For typical dry samples, the total concentration of a CoC in soil (mg/kg) is compared with the Total Threshold Limit Concentration (TTLC) for that CoC. If the concentration exceeds the TTLC, the soil would be characterized as a California-Hazardous waste. The TTLC addresses potential adverse human health concerns from direct exposure to a CoC in waste.

Additionally, to address potential leaching of CoC-bearing waste intended for landfill disposal, CoC concentrations are compared to the Soluble Threshold Limit Concentration (STLC). If the total CoC concentration (i.e., OCP or total arsenic concentration) in soil exceeds the STLC by 10 times, the Waste Extraction Test (WET) is performed to create a liquid extract that is analyzed for the CoC. If the concentration of the CoC from the WET exceeds the respective STLC, the soil would be characterized as a California-Hazardous waste.

For federal regulations, if the total concentration of a CoC in the soil equals or exceeds the Maximum Concentration of Contaminants for the Toxicity Characteristic (MCCTC) value by 20 times, a liquid extract of the soil sample is generated by the Toxicity Characteristic Leaching Procedure (TCLP) and the extract is then analyzed for the CoC. The MCCTC/TCLP determination is similar to the STLC/WET, but with a factor of 20. If the result of the analysis of the TCLP extract exceeds the MCCTC, then the soil would be characterized as a Resource Conservation and Recovery Act Hazardous waste.

Regulated Waste Characterization

The RWQCB has set CoC concentration levels for waste that is below hazardous waste concentrations but above typical background concentrations. Soil that contains CoCs that exceed the RWQCB Tier1 soil screening levels (SSLs) are considered a regulated waste and cannot be transported to an unregulated site as would be done for clean soil. Additional soil sampling and analysis would be required to better delineate the horizontal and lateral limits of soil containing arsenic at concentrations exceeding the RWQCB Tier1 SSL of 3.5 mg/kg and soil with OCPs reported at any concentration, as this soil would be characterized as a regulated waste and would require special handling and disposal at an appropriately permitted facility if transported off-Site.

6 CONCLUSIONS

Based on the data obtained and reviewed as part of this Assessment, laboratory results, and current regulatory guidelines, and SCS' experience and professional judgment, SCS concludes:

- Alpha- and gamma-chlordane were detected above their laboratory reporting limits in 4 out of the 13 samples analyzed for OCPs with maximum reported concentrations of 3.07 µg/kg of gamma-chlordane and 4.54 µg/kg of alpha-chlordane; however, no samples were above their respective RSLs or CHHSLs.
- Arsenic concentrations at the Site exceed the residential CHHSL and RSL. However, arsenic is commonly present in California soils in concentrations that exceed risk criteria under naturally occurring conditions, and the arsenic concentrations in shallow soil at the Site are within naturally occurring background concentrations and do not appear to be indicative of a release of arsenic.

7 RECOMMENDATIONS

Based on the data obtained and reviewed as part of this Assessment, laboratory results, current regulatory guidelines, and the conclusions presented above, SCS recommends the following:

- Prior to Site development but subsequent to the completion of Site end use and grading plans, perform additional shallow sampling for arsenic and organochlorine pesticides across the former agricultural and golf courses areas of the Site to increase sample density for adequate Site characterization.
- If soil is ultimately exported from the Site, additional soil sampling and analysis would be required to better delineate the horizontal and lateral limits of soil containing detectable concentrations of organochlorine pesticides and arsenic at concentrations exceeding the San Diego Regional Water Quality Control Board (RWQCB) Tier1 SSL of 3.5 mg/kg that would be considered a regulated waste; and additional screening and laboratory analysis would be required to assess whether soil would be characterized as a California Hazardous Waste or Resource Conservation and Recovery Act Hazardous waste. Any soil exported from the Site must be properly managed and transported to an appropriately permitted facility if it is characterized as a regulated or hazardous waste.
- Development of a Site-specific soil management plan to account for Site development activities and integrate environmental issues into the Site development process.

8 REPORT USAGE AND FUTURE SITE CONDITIONS

This Report is intended for the sole usage of the Client and the Client's authorized representatives. Use of this Report is subject to the provisions of the fully executed Consulting Agreement (Contract) between the Client and SCS. Any third-party usage of this Report shall be subject to the provisions of the Contract, and any unauthorized misuse of or reliance upon the Report shall be without risk or liability to SCS.

The conclusions of this Report are judged to have been relevant at the time the work described in this Report was conducted. Future conditions may differ and this Report should not be relied on to represent future Site conditions unless a qualified consultant familiar with the practice of Phase II Environmental Site Assessments in San Diego County is consulted to assess the necessity of updating this Report.

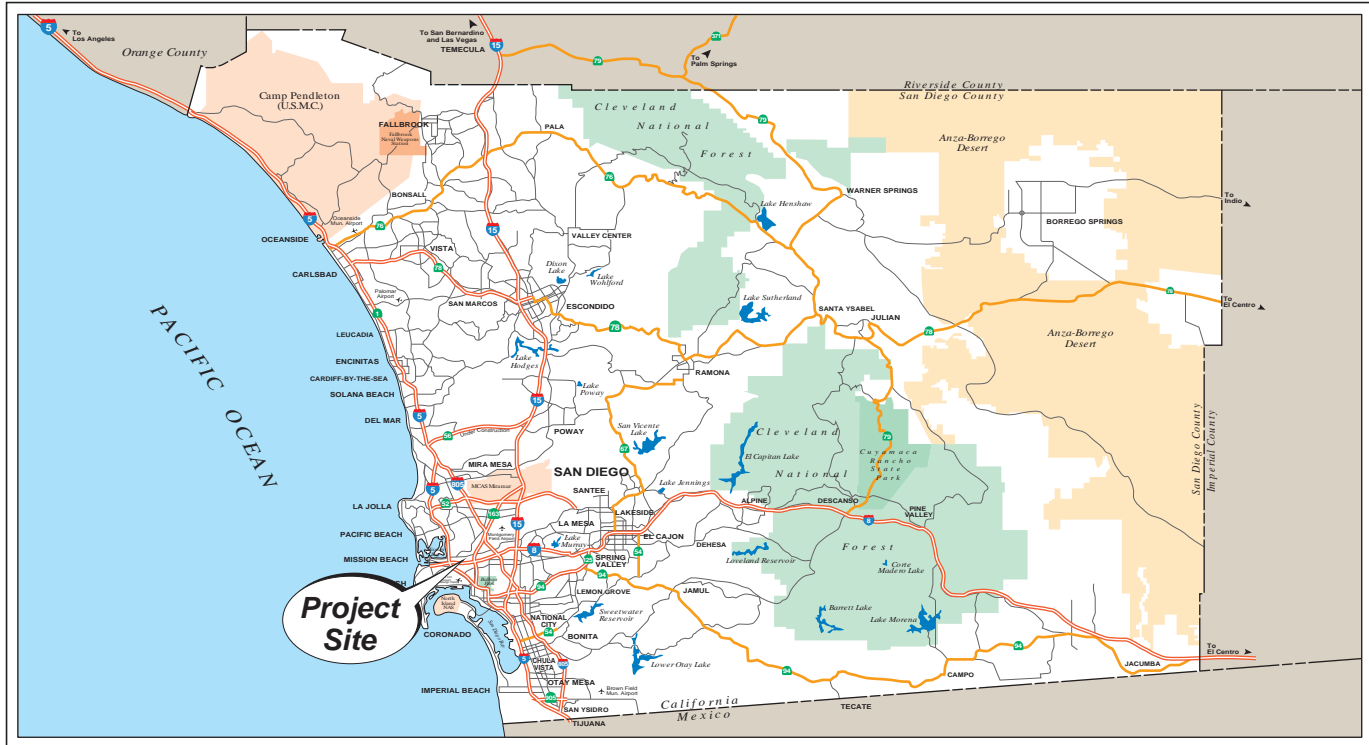
Although this Assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons which include but are not limited to 1) SCS' reliance on inadequate or inaccurate information rightfully provided to it by third parties, such as public agencies and other outside sources; 2) the limited scope of this Assessment; and 3) the presence of undetected, unknown, or unreported environmental releases.

9 LIKELIHOOD STATEMENTS

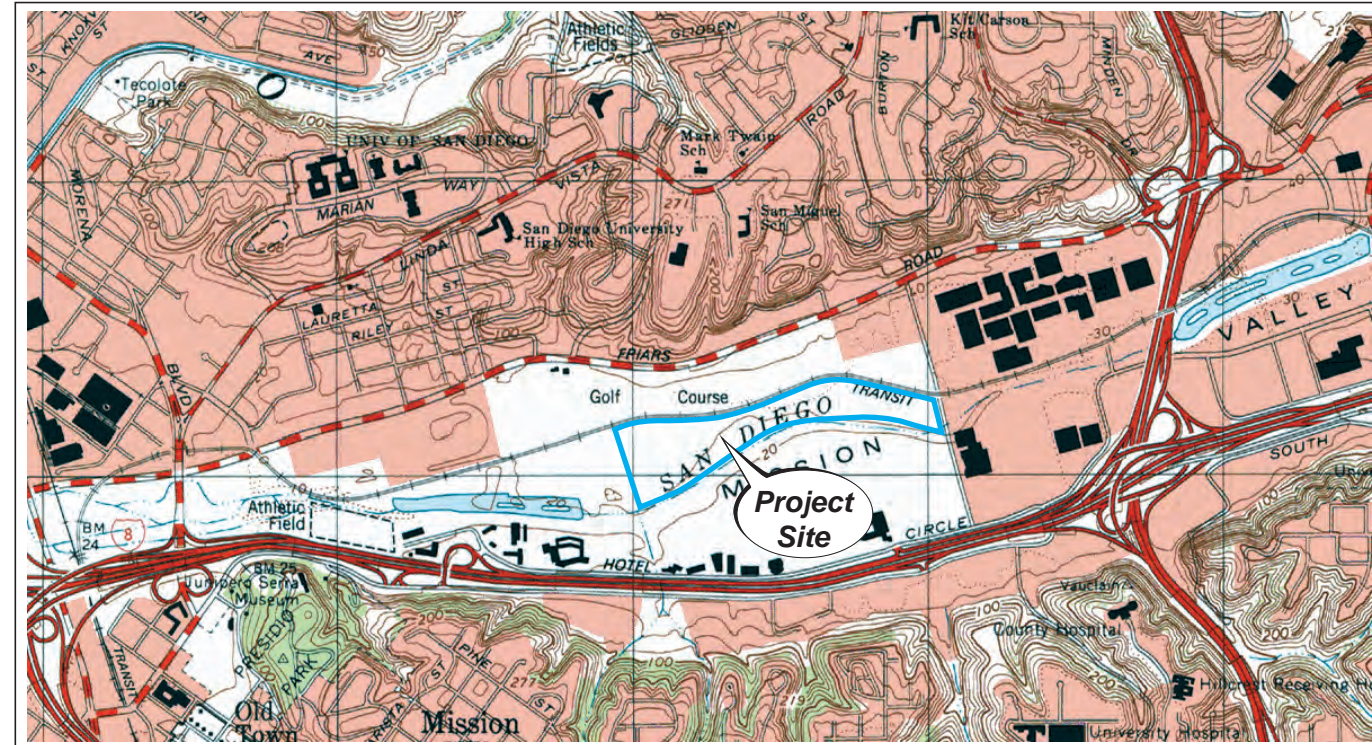
Statements of "likelihood" may have been made in this report. Likelihood statements are based on professional judgments of SCS. The term "likelihood," as used herein, pertains to the probability of a match between the prediction for an event and its actual occurrence. The likelihood statement assigns a measure for a "degree of belief" for the match between the prediction for the event and the actual occurrence of the event.

The likelihood statements in this Report are made qualitatively (expressed in words). The qualitative terms can be approximately related to quantitative percentages. The term "low likelihood" is used by SCS to approximate a percentage range of 10 to 20 percent; the term "moderate likelihood" refers to an approximate percentage range of 40 to 60 percent; and the term "high likelihood" refers to an approximate percentage range of 80 to 90 percent.

FIGURES



REGIONAL SITE LOCATION



2-DIMENSIONAL SITE LOCATION

Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
La Jolla, California - 1996

0 1,000 2,000 3,000
Approximate Graphic Scale in Feet



SITE AERIAL PHOTOGRAPH

Reference:
Google Earth Aerial Photograph
San Diego, California - November 2013



3-DIMENSIONAL SITE LOCATION

Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
La Jolla, California - 1996

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS

Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

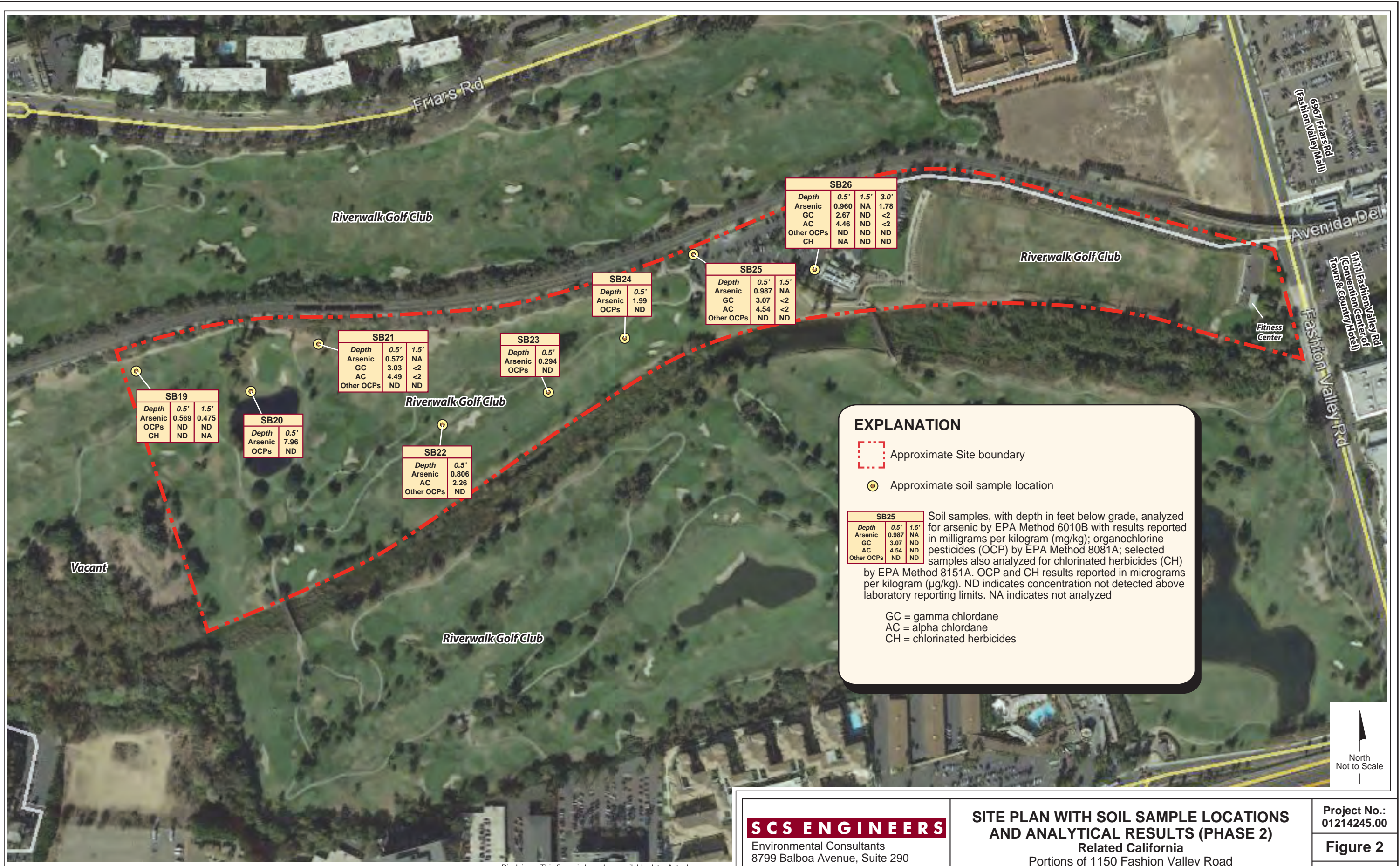
**FOUR-WAY SITE LOCATION MAP
(PHASE 2)**

Related California
Portions of 1150 Fashion Valley Road
San Diego, California

Project No.:
01214245.00

Figure 1

Date Drafted:
10/8/14



SB19			
Depth	0.5'	1.5'	
Arsenic	0.569	0.475	
OCPs	ND	ND	
CH	ND	NA	

SB20		
Depth	0.5'	
Arsenic	7.96	
OCPs	ND	

SB21			
Depth	0.5'	1.5'	
Arsenic	0.572	NA	
GC	3.03	<2	
AC	4.49	<2	
Other OCPs	ND	ND	

SB23		
Depth	0.5'	
Arsenic	0.294	
OCPs	ND	

SB24		
Depth	0.5'	
Arsenic	1.99	
OCPs	ND	

SB25			
Depth	0.5'	1.5'	
Arsenic	0.987	NA	
GC	3.07	<2	
AC	4.54	<2	
Other OCPs	ND	ND	

SB26			
Depth	0.5'	1.5'	3.0'
Arsenic	0.960	NA	1.78
GC	2.67	ND	<2
AC	4.46	ND	<2
Other OCPs	ND	ND	ND
CH	NA	ND	ND

EXPLANATION

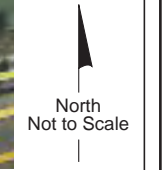
Approximate Site boundary

Approximate soil sample location

SB25			
Depth	0.5'	1.5'	
Arsenic	0.987	NA	
GC	3.07	ND	
AC	4.54	ND	
Other OCPs	ND	ND	

Soil samples, with depth in feet below grade, analyzed for arsenic by EPA Method 6010B with results reported in milligrams per kilogram (mg/kg); organochlorine pesticides (OCP) by EPA Method 8081A; selected samples also analyzed for chlorinated herbicides (CH) by EPA Method 8151A. OCP and CH results reported in micrograms per kilogram (µg/kg). ND indicates concentration not detected above laboratory reporting limits. NA indicates not analyzed

GC = gamma chlordane
 AC = alpha chlordane
 CH = chlorinated herbicides



Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
 Environmental Consultants
 8799 Balboa Avenue, Suite 290
 San Diego, California 92123

SITE PLAN WITH SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS (PHASE 2)
 Related California
 Portions of 1150 Fashion Valley Road
 San Diego, California

Project No.: 01214245.00
Figure 2
 Date Drafted: 9/24/14

TABLES

TABLE 1
SOIL SAMPLES ANALYTICAL RESULTS - ORGANOCHLORINE PESTICIDES

Portions of 1150 Fashion Valley Road, San Diego, CA

Sample Identifier	Depth (feet)	Organochlorine Pesticides (EPA Method 8081A) (µg/kg)		
		Gamma- Chlordane	Alpha-Chlordane	Other OCPs
SB19-0.5	0.5	<2	<2	ND
SB19-1.5	1.5	<2	<2	ND
SB20-0.5	0.5	<2	<2	ND
SB21-0.5	0.5	3.03	4.49	ND
SB21-1.5	1.5	<2	<2	ND
SB22-0.5	0.5	<2	2.26	ND
SB23-0.5	0.5	<2	<2	ND
SB24-0.5	0.5	<2	<2	ND
SB25-0.5	0.5	3.07	4.54	ND
SB25-1.5	1.5	<2	<2	ND
SB26-0.5	0.5	2.67	4.46	ND
SB26-1.5	1.5	<2	<2	ND
SB26-3.0	3.0	<2	<2	ND
Residential CHHSLs (µg/kg)		430	430	NA
Residential RSL (µg/kg)		1,800	1,800	NA

Notes:

EPA: U.S. Environmental Protection Agency

µg/kg: micrograms per kilogram

Soil samples collected by SCS Engineers on September 19, 2014 and analyzed for OCPs by EPA Method 8081A

ND: Not detected above the respective laboratory reporting limit

NA: Not applicable

Bold text indicates reported concentrations above the laboratory reporting limits

CHHSL: California Human Health Screening Level for residential use dated 2009

RSL: Regional Screening Levels dated May 2014

<: Less than the specified laboratory reported limit

TABLE 2

SOIL SAMPLES ANALYTICAL RESULTS - CHLORINATED
HERBICIDES

Portions of 1150 Fashion Valley Road, San Diego, CA

Sample Identifier	Depth (feet)	Chlorinated Herbicides (EPA Method 8081A) ($\mu\text{g}/\text{kg}$)
SB19-0.5	0.5	ND
SB26-3.0	3.0	ND

Notes:

Soil samples collected by SCS Engineers on September 19, 2014 and analyzed for CH by EPA Method 8151A

EPA: U.S. Environmental Protection Agency

$\mu\text{g}/\text{kg}$: micrograms per kilogram

ND: Not detected above the respective laboratory reporting limits

TABLE 3

SOIL SAMPLES ANALYTICAL RESULTS – ARSENIC

Portions of 1150 Fashion Valley Road, San Diego, CA

Sample Identifier	Depth (feet)	EPA Method 6010B
		Arsenic (mg/kg)
SB19-0.5	0.5	0.569
SB19-1.5	1.5	0.475
SB20-0.5	0.5	7.96
SB21-0.5	0.5	0.572
SB22-0.5	0.5	0.806
SB23-0.5	0.5	0.294
SB24-0.5	0.5	1.99
SB25-0.5	0.5	0.987
SB26-0.5	0.5	0.960
SB26-3.0	3.0	1.78
Residential CHHSL (mg/kg)		0.07
Residential RSL (mg/kg)		0.67
DTSC Background Level (mg/kg)		12

Note:

Soil samples collected by SCS Engineers on September 19, 2014 and analyzed for arsenic EPA Methods 6010B

EPA: U.S. Environmental Protection Agency

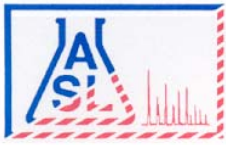
mg/kg: milligrams per kilogram

<: Less than the specified reporting limit

CHHSL: California Human Health Screening Level for residential use for arsenic, dated 2009

APPENDIX

ANALYTICAL DATA
AND CHAIN-OF-CUSTODY DOCUMENTATION



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Number of Pages 33
Date Received 09/19/2014
Date Reported 09/24/2014

Telephone (858) 571-5500
Attn Luke Montague

Job Number	Ordered	Client
62115	09/19/2014	SCS

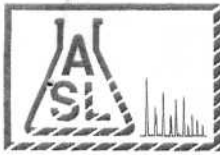
Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club
Site: 1150 Fashion Valley Road
San Diego, CA

Enclosed are the results of analyses on 30 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



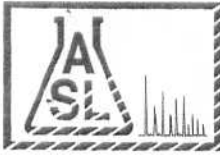
AMERICAN SCIENTIFIC LABORATORIES, LLC
 Environmental Testing Services
 2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 68503** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62115

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED	
Address: <u>8799 Balboa Ave</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>Same</u>	
# <u>290, San Diego, CA</u>		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>	
Telephone: <u>(858) 401-2350</u>		San Diego, CA		Address: <u>Same</u>	
Fax:		Project ID: <u>01214245.00T3</u>		TPH 8015B	
Special Instruction: <u>24 hrs TAT</u>		E-mail: <u>l.montague@scsengineers.com</u>		VOCs 8260B	
E-mail: <u>cramirez@scsengineers.com</u>		Manager: <u>LM</u>		P.O.#:	

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation										Remarks
	Lab ID	Sample ID	Date	Time	#	Type													
1	321755	B1-5'	9/18/14			Acetate sleeve	Soil	4°C	✓	✓									
		B1-10'							-	-									
2	321756	B1-15							✓	✓									
3	321757	B1-19.5							✓	✓									
4	321758	B2-5.0							✓	✓									
		B2-10							-	-									
5	321759	B2-15							✓	✓									
		B2-20							-	-									
6	321760	B2-25							✓	✓									
		B2-30							-	-									

Collected By: <u>Cristobal Ramirez</u>	Date <u>9/18/14</u>	Time	Relinquished By:	Date	Time	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush <u>24 hr</u>
Relinquished By:	Date	Time	Received For Laboratory <u>Janet Chen</u>	Date <u>9/19/14</u>	Time <u>11:20</u>	
Received By:	Date	Time	Condition of Sample:			



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Environmental Testing Services

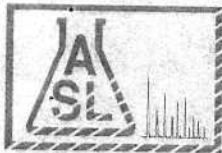
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COC# **Nº 68503** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62115

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED	
Address: <u>8799 Balboa Ave</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>Same</u>	
# <u>290, San Diego, CA</u>		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>	
Telephone: <u>(858) 401-2350</u>		San Diego, CA		Address: <u>Same</u>	
Fax:		Project ID: <u>01214245.0073</u>		TPH <u>8015 B</u>	
Special Instruction: <u>TAT</u>		Project Manager: <u>LM</u>		VOCs <u>8260 B</u>	
E-mail: <u>lmontague@scsengineers.com</u>		P.O.#:		Arsenic <u>6010 B</u>	
<u>cramirez@scsengineers.com</u>				OP <u>8081 A</u>	
				CH <u>8151</u>	

ITEM	LAB USE ONLY	SAMPLE DESCRIPTION			Container(s)		Matrix	Preservation										Remarks
	Lab ID	Sample ID	Date	Time	#	Type												
7	321761	B3-5'	9/18/14			Acetate sleeve	soil	4°C	✓	✓	-	-	-					
8	321762	B3-10							✓	✓	-	-	-					
9	321763	B3-15							✓	✓	-	-	-					
10	321764	B4-5							✓	✓	-	-	-					
11	321765	B4-10							✓	✓	-	-	-					
12	321766	B4-15							✓	✓	-	-	-					
		B4-19							-	-	-	-	-					
13	321767	SBI-0.5'							-	-	✓	✓	✓					
		SBI-1.5'							-	-	-	-	-					
		SBI-3.0'							-	-	-	-	-					

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/18/14</u>	Time:	Relinquished By:	Date:	Time:	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date:	Time:	Received For Laboratory: <u>Janet Chun</u>	Date: <u>9/19/14</u>	Time: <u>11:20</u>	
Received By:	Date:	Time:	Condition of Sample:			



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Environmental Testing Services

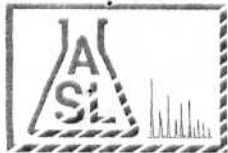
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 68503** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62115

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED			
Address: <u>8799 Balboa Ave</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>Same</u>			
# <u>290, San Diego, CA</u>		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>			
Telephone: <u>(858) 401-2350</u>		San Diego, CA		Address: <u>Same</u>			
Special Instruction: <u>TAT</u>		Project ID: <u>01214245.0073</u>		<u>Asenic 6010B</u> <u>OP 8081A</u> <u>CH 8151</u>			
E-mail: <u>lmonaque@scsengineers.com</u> <u>cr Ramirez@scsengineers.com</u>		Project Manager: <u>LM</u>					

ITEM	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation								Remarks
	Lab ID	Sample ID	Date	Time	#	Type											
14	321768	SB2-0.5'	9/18/14			Acetate Sleeve	Soil	4°C	✓	✓	-						
15	321769	SB2-1.5'							✓	✓	-						
		SB2-3.0							-	-	-						
16	321770	SB3-0.5							✓	✓	-						
		SB3-1.5'							-	-	-						
17	321771	SB3-3.0'							✓	✓	-						
18	321772	SB4-0.5							✓	✓	-						
		SB4-1.5							-	-	-						
		SB4-3.0'							-	-	-						
19	321773	SB5-0.5							✓	✓	-						

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/18/14</u> Time	Relinquished By:	Date: _____ Time	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date: _____ Time	Received For Laboratory: <u>Jaret Chen</u>	Date: <u>9/19/14</u> Time: <u>11:20</u>	
Received By:	Date: _____ Time	Condition of Sample:		



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

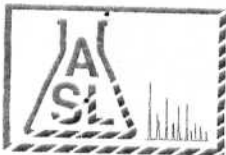
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COC# N^o 50689 GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62115

Company: <u>SCS Engineers</u>		Report To: <u>SCS</u>		ANALYSIS REQUESTED														
Address: <u>8799 Balboa Ave</u>		Project Name: <u>Riverwalk Golf Club</u>						Address: <u>Same</u>										
Telephone:		Site Address:		Invoice To: <u>SCS</u>		<u>Asenic 6010B</u> <u>OP 8081A</u> <u>CH 8151</u>												
Fax:				Address: <u>Same</u>														
Special Instruction: <u>24 HRS TAT</u>		Project ID: <u>01214245.00 T3</u>		P.O.#														
E-mail		Project Manager:																

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation				Remarks
	Lab ID	Sample ID	Date	Time	#	Type							
20	321774	SB5-1.5'	9/18/14			Acetate sleeve	Soil	4°C	✓	✓	-		
		SB5-3.0'							-	-	-		
21	321775	SB6-0.5'							✓	✓	✓		
		SB6-1.5'							-	-	-		
		SB6-3.0'							-	-	-		
22	321776	SB7-0.5'							✓	✓	✓		
		SB7-1.5'							-	-	-		
		SB7-3.0'							-	-	-		
23	321777	SB8-0.5'							✓	✓	-		
		SB8-1.5'							-	-	-		

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/18/14</u> Time:	Relinquished By:	Date:	Time:	TAT
Relinquished By:	Date:	Time:	Received For Laboratory: <u>Janet Chin</u>	Date: <u>9/19/14</u> Time: <u>11:20</u>	<input type="checkbox"/> Normal
Received By:	Date:	Time:	Condition of Sample:		<input checked="" type="checkbox"/> Rush



COC# N^o 50689 GLOBAL ID _____

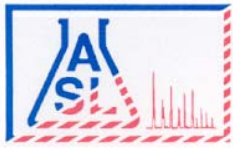
E REPORT: PDF EDF EDD ASL JOB# 62115

Company SCS Engineers	Report To: SCS	ANALYSIS REQUESTED			
Address:	Project Name: Riverwalk Golf Club	Address: Same	Asenic 6010B	OP 8081A	CH 8151
Telephone:	Site Address:	Invoice To: SCS			
Fax:	Project ID: 01214245.00 T3	Address: Same			
Special Instructions: 24 HRS TAT	Project Manager:	P.O.#:			
E-mail:					

ITEM	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation				Remarks
	Lab ID	Sample ID	Date	Time	#	Type							
		SB8-3.0'	9/18/14			Acetate sleeve	Soil	4°C	-	-	-		
24	321778	SB9-0.5'							✓	✓	✓		
25	321779	SB9-1.5'							✓	✓	-		
		SB9-3.0'							-	-	-		
26	321780	SB10-0.5'							✓	✓	-		
27	321781	SB11-0.5'							✓	✓	-		
		SB11-1.5'							-	-	-		
28	321782	SB11-3.0'							✓	✓	-		
29	321783	SB12-0.5'							✓	✓	-		
		SB12 1.5'							-	-	-		

Collected By: Cristobal Ramirez	Date: 9/18/14	Time:	Relinquished By:	Date:	Time:
Relinquished By:	Date:	Time:	Received For Laboratory: Janet Chun	Date: 9/19/14	Time: 11:20
Received By:	Date:	Time:	Condition of Sample:	<input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush	

COPY TO CUSTOMER TODAY RECORD



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Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 2

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

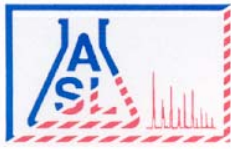
QC Batch No: 091914-3

Our Lab I.D.		321767	321768	321769	321770	321771
Client Sample I.D.		SB1-0.5'	SB2-0.5'	SB2-1.5'	SB3-0.5'	SB3-3.0'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	9.79	5.12	7.37	3.50	6.36

QUALITY CONTROL REPORT

QC Batch No: 091914-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	97	97	<1	80-120	<20				



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Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 3

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

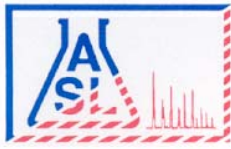
QC Batch No: 091914-3

Our Lab I.D.		321772	321773	321774	321775	321776
Client Sample I.D.		SB4-0.5'	SB5-0.5'	SB5-1.5'	SB6-0.5'	SB7-0.5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	3.48	1.55	0.918	5.70	1.43

QUALITY CONTROL REPORT

QC Batch No: 091914-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	97	97	<1	80-120	<20				



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Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: **4**

Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

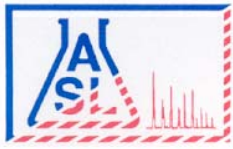
QC Batch No: 091914-3

Our Lab I.D.		321777	321778	321779	321780	321781
Client Sample I.D.		SB8-0.5'	SB9-0.5'	SB9-1.5'	SB10-0.5'	SB11-0.5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	10.5	11.3	14.4	3.19	2.39

QUALITY CONTROL REPORT

QC Batch No: 091914-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	97	97	<1	80-120	<20				



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

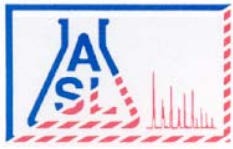
QC Batch No: 091914-3

Our Lab I.D.		321782	321783	321784		
Client Sample I.D.		SB11-3.0'	SB12-0.5'	SB12-3.0'		
Date Sampled		09/18/2014	09/18/2014	09/18/2014		
Date Prepared		09/19/2014	09/19/2014	09/19/2014		
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
ICP Metals						
Arsenic	0.250	3.63	4.14	8.39		

QUALITY CONTROL REPORT

QC Batch No: 091914-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	97	97	<1	80-120	<20				



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-091914

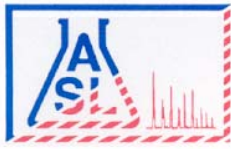
Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		321755	321756	321757	321758	321759
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	112	110	109	109	110

QUALITY CONTROL REPORT

QC Batch No: S2P-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	96	102	6.1	75-120	<20					



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-091914

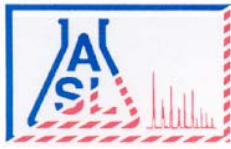
Our Lab I.D.		321760	321761	321762	321763	321764
Client Sample I.D.		B2-25'	B3-5'	B3-10'	B3-15'	B4-5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		321760	321761	321762	321763	321764
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	108	112	107	107	114

QUALITY CONTROL REPORT

QC Batch No: S2P-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	100	100	<1	75-120	<20					



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-091914

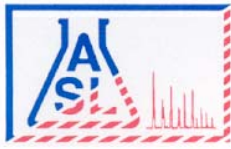
Our Lab I.D.		321765	321766			
Client Sample I.D.		B4-10'	B4-15'			
Date Sampled		09/18/2014	09/18/2014			
Date Prepared		09/19/2014	09/19/2014			
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH DROs (C10 to C28)	10.0	ND	ND			
TPH OROs (C28+)	50.0	ND	ND			

Our Lab I.D.		321765	321766			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Chlorobenzene	70-120	108	107			

QUALITY CONTROL REPORT

QC Batch No: S2P-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	97	1.0	75-120	<20					



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-091914

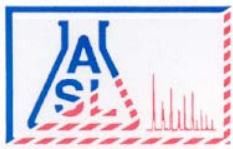
Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH GROs (C6 to C10)	500	ND	ND	ND	ND	ND

Our Lab I.D.		321755	321756	321757	321758	321759
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	82	81	97	79	81

QUALITY CONTROL REPORT

QC Batch No: S1G-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	100	103	3.0	75-120	<20					
Toluene	95	96	1.0	75-120	<20					



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-091914

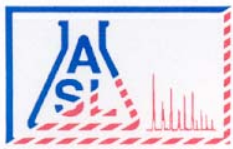
Our Lab I.D.		321760			
Client Sample I.D.		B2-25'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
TPH GROs (C6 to C10)	500	ND			

Our Lab I.D.		321760			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	86			

QUALITY CONTROL REPORT

QC Batch No: S1G-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	100	103	3.0	75-120	<20				
Toluene	95	96	1.0	75-120	<20				



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

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ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-092214

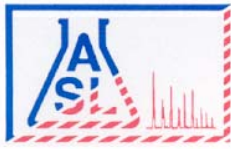
Our Lab I.D.		321761	321762	321763		
Client Sample I.D.		B3-5'	B3-10'	B3-15'		
Date Sampled		09/18/2014	09/18/2014	09/18/2014		
Date Prepared		09/22/2014	09/22/2014	09/22/2014		
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
TPH GROs (C6 to C10)	500	ND	ND	ND		

Our Lab I.D.		321761	321762	321763		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	91	96	91		

QUALITY CONTROL REPORT

QC Batch No: S1G-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	93	102	9.2	75-120	<20					
Toluene	90	94	4.3	75-120	<20					



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Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1H-092214

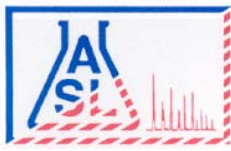
Our Lab I.D.		321764	321765	321766		
Client Sample I.D.		B4-5'	B4-10'	B4-15'		
Date Sampled		09/18/2014	09/18/2014	09/18/2014		
Date Prepared		09/22/2014	09/22/2014	09/22/2014		
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
TPH GROs (C6 to C10)	500	ND	ND	ND		

Our Lab I.D.		321764	321765	321766		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	118	106	112		

QUALITY CONTROL REPORT

QC Batch No: S1H-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	89	88	1.1	75-120	<20					
Toluene	87	86	1.2	75-120	<20					



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

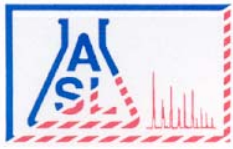
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091914-1

Our Lab I.D.		321767	321768	321769	321770	321771
Client Sample I.D.		SB1-0.5'	SB2-0.5'	SB2-1.5'	SB3-0.5'	SB3-3.0'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	9.44	3.81	ND	ND	ND
alpha-Chlordane	2.00	14.8	3.50	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	16.3	12.2	ND	ND	ND
4,4'-DDT (DDT)	4.00	23.4	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	4.23	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND

Our Lab I.D.		321767	321768	321769	321770	321771
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	89	89	81	87	111



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

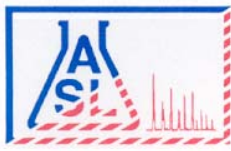
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	110	<1	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	123	112	9.4	36-146	<30					
Endrin	133	128	3.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	94	99	5.2	32-127	<30					
Heptachlor	108	106	1.9	34-111	<30					



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

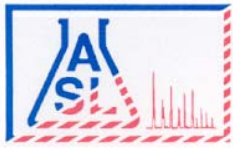
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091914-1

Our Lab I.D.		321772	321773	321774	321775	321776
Client Sample I.D.		SB4-0.5'	SB5-0.5'	SB5-1.5'	SB6-0.5'	SB7-0.5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND

Our Lab I.D.		321772	321773	321774	321775	321776
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	83	88	92	106	110



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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

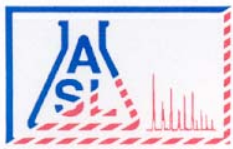
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	110	<1	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	123	112	9.4	36-146	<30					
Endrin	133	128	3.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	94	99	5.2	32-127	<30					
Heptachlor	108	106	1.9	34-111	<30					



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Environmental Testing Services

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ANALYTICAL RESULTS

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Site

SCS Engineers
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 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

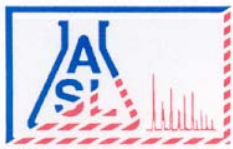
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091914-1

Our Lab I.D.		321777	321778	321779	321780	321781
Client Sample I.D.		SB8-0.5'	SB9-0.5'	SB9-1.5'	SB10-0.5'	SB11-0.5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND

Our Lab I.D.		321777	321778	321779	321780	321781
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	110	101	83	78	94



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

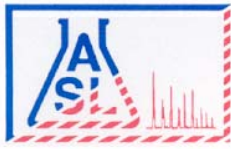
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	110	<1	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	123	112	9.4	36-146	<30					
Endrin	133	128	3.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	94	99	5.2	32-127	<30					
Heptachlor	108	106	1.9	34-111	<30					



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ANALYTICAL RESULTS

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1150 Fashion Valley Road
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Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

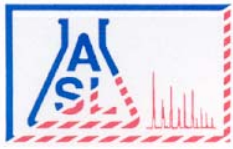
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091914-1

Our Lab I.D.		321782	321783	321784		
Client Sample I.D.		SB11-3.0'	SB12-0.5'	SB12-3.0'		
Date Sampled		09/18/2014	09/18/2014	09/18/2014		
Date Prepared		09/19/2014	09/19/2014	09/19/2014		
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Aldrin	2.00	ND	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND		
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND		
Gamma-Chlordane	2.00	ND	ND	ND		
alpha-Chlordane	2.00	ND	ND	ND		
4,4'-DDD (DDD)	4.00	ND	ND	ND		
4,4'-DDE (DDE)	4.00	ND	ND	ND		
4,4'-DDT (DDT)	4.00	ND	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND		
Dieldrin	4.00	ND	ND	ND		
Endosulfan 1	2.00	ND	ND	ND		
Endosulfan 11	4.00	ND	ND	ND		
Endosulfan sulfate	4.00	ND	ND	ND		
Endrin	4.00	ND	ND	ND		
Endrin aldehyde	4.00	ND	ND	ND		
Endrin ketone	4.00	ND	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND		
Heptachlor	2.00	ND	ND	ND		
Heptachlor epoxide	2.00	ND	ND	ND		
Methoxychlor	4.00	ND	ND	ND		
Toxaphene	170	ND	ND	ND		

Our Lab I.D.		321782	321783	321784		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	92	82	98		



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

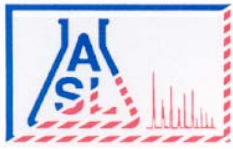
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	110	<1	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	123	112	9.4	36-146	<30					
Endrin	133	128	3.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	94	99	5.2	32-127	<30					
Heptachlor	108	106	1.9	34-111	<30					



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ANALYTICAL RESULTS

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Attn: Luke Montague

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8151A, Chlorinated Herbicides by Gas Chromatography

QC Batch No: 091914-1

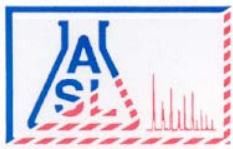
Our Lab I.D.		321767	321775	321776	321778	
Client Sample I.D.		SB1-0.5'	SB6-0.5'	SB7-0.5'	SB9-0.5'	
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
2,4-D	100	ND	ND	ND	ND	
2,4-DB	100	ND	ND	ND	ND	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10.0	ND	ND	ND	ND	
2,4,5-TP (Silvex)	10.0	ND	ND	ND	ND	
Dalapon	250	ND	ND	ND	ND	
Dicamba	10.0	ND	ND	ND	ND	
Dichloroprop	100	ND	ND	ND	ND	
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	50.0	ND	ND	ND	ND	
MCPA	10000	ND	ND	ND	ND	
MCPP	10000	ND	ND	ND	ND	

Our Lab I.D.		321767	321775	321776	321778	
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery						
2,4-Dichlorophenoxyacetic acid	30-130	88	108	102	107	

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS/LCSD % Limit							
2,4-D	86	30-130							
2,4-DB	91	30-130							
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	98	30-130							



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Project ID: 01214245.00T3

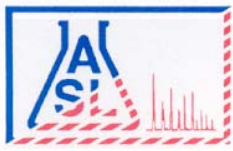
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

Our Lab I.D.		321761	321762	321763	321764	321765
Client Sample I.D.		B3-5'	B3-10'	B3-15'	B4-5'	B4-10'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Acetone	50.0	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND



ANALYTICAL RESULTS

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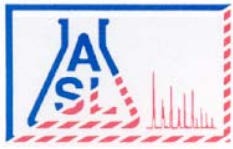
Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

Our Lab I.D.		321761	321762	321763	321764	321765
Client Sample I.D.		B3-5'	B3-10'	B3-15'	B4-5'	B4-10'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

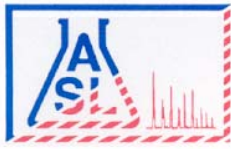
Our Lab I.D.		321761	321762	321763	321764	321765
Client Sample I.D.		B3-5'	B3-10'	B3-15'	B4-5'	B4-10'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND

Our Lab I.D.		321761	321762	321763	321764	321765
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	106	117	108	107	107
Dibromofluoromethane	70-120	99	70	100	100	100
Toluene-d8	70-120	100	94	100	101	101

QUALITY CONTROL REPORT

QC Batch No: S1B-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	113	112	<1	75-120	15					
Chlorobenzene	119	117	1.7	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	100	100	<1	75-120	15					
MTBE	109	118	7.9	75-120	15					
Toluene (Methyl benzene)	117	115	1.7	75-120	15					
Trichloroethene (TCE)	112	110	1.8	75-120	15					



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Project ID: 01214245.00T3

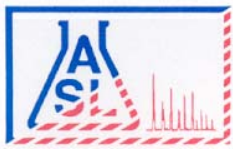
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

Our Lab I.D.		321766			
Client Sample I.D.		B4-15'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Acetone	50.0	ND			
Benzene	2.00	ND			
Bromobenzene (Phenyl bromide)	10.0	ND			
Bromochloromethane (Chlorobromomethane)	10.0	ND			
Bromodichloromethane (Dichlorobromomethane)	10.0	ND			
Bromoform (Tribromomethane)	50.0	ND			
Bromomethane (Methyl bromide)	30.0	ND			
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND			
n-Butylbenzene	10.0	ND			
sec-Butylbenzene	10.0	ND			
tert-Butylbenzene	10.0	ND			
Carbon disulfide	10.0	ND			
Carbon tetrachloride (Tetrachloromethane)	10.0	ND			
Chlorobenzene	10.0	ND			
Chloroethane	30.0	ND			
2-Chloroethyl vinyl ether	50.0	ND			
Chloroform (Trichloromethane)	10.0	ND			
Chloromethane (Methyl chloride)	30.0	ND			
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND			
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND			
Dibromochloromethane	10.0	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND			
Dibromomethane	10.0	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND			
Dichlorodifluoromethane	30.0	ND			
1,1-Dichloroethane	10.0	ND			



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ANALYTICAL RESULTS

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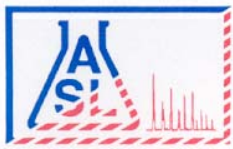
Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

Our Lab I.D.		321766			
Client Sample I.D.		B4-15'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
1,2-Dichloroethane	10.0	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND			
cis-1,2-Dichloroethene	10.0	ND			
trans-1,2-Dichloroethene	10.0	ND			
1,2-Dichloropropane	10.0	ND			
1,3-Dichloropropane	10.0	ND			
2,2-Dichloropropane	10.0	ND			
1,1-Dichloropropene	10.0	ND			
cis-1,3-Dichloropropene	10.0	ND			
trans-1,3-Dichloropropene	10.0	ND			
Ethylbenzene	2.00	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND			
2-Hexanone	50.0	ND			
Isopropylbenzene	10.0	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND			
MTBE	5.00	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND			
Methylene chloride (Dichloromethane, DCM)	50.0	ND			
Naphthalene	10.0	ND			
n-Propylbenzene	10.0	ND			
Styrene	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
Tetrachloroethene (Tetrachloroethylene)	10.0	ND			
Toluene (Methyl benzene)	2.00	ND			
1,2,3-Trichlorobenzene	10.0	ND			
1,2,4-Trichlorobenzene	10.0	ND			
1,1,1-Trichloroethane	10.0	ND			
1,1,2-Trichloroethane	10.0	ND			
Trichloroethene (TCE)	10.0	ND			
Trichlorofluoromethane	10.0	ND			
1,2,3-Trichloropropane	10.0	ND			
1,2,4-Trimethylbenzene	10.0	ND			
1,3,5-Trimethylbenzene	10.0	ND			
Vinyl acetate	50.0	ND			



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

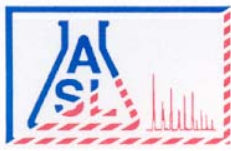
Our Lab I.D.		321766			
Client Sample I.D.		B4-15'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Vinyl chloride (Chloroethene)	30.0	ND			
o-Xylene	2.00	ND			
m- & p-Xylenes	4.00	ND			

Our Lab I.D.		321766			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	107			
Dibromofluoromethane	70-120	99			
Toluene-d8	70-120	100			

QUALITY CONTROL REPORT

QC Batch No: S1B-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	113	112	<1	75-120	15				
Chlorobenzene	119	117	1.7	75-120	15				
1,1-Dichloroethene (1,1-Dichloroethylene)	100	100	<1	75-120	15				
MTBE	109	118	7.9	75-120	15				
Toluene (Methyl benzene)	117	115	1.7	75-120	15				
Trichloroethene (TCE)	112	110	1.8	75-120	15				



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00T3

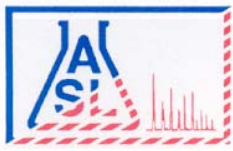
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Acetone	50.0	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND



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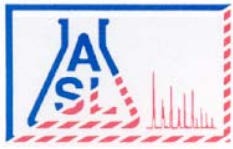
Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

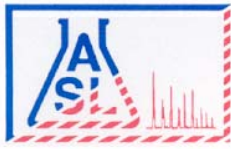
Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND

Our Lab I.D.		321755	321756	321757	321758	321759
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	81	80	97	80	80
Dibromofluoromethane	70-120	86	86	82	88	91
Toluene-d8	70-120	83	81	86	81	82

QUALITY CONTROL REPORT

QC Batch No: S1C-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	104	102	1.9	75-120	15					
Chlorobenzene	105	105	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	113	112	<1	75-120	15					
MTBE	102	100	2.0	75-120	15					
Toluene (Methyl benzene)	111	116	4.4	75-120	15					
Trichloroethene (TCE)	96	92	4.3	75-120	15					



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ANALYTICAL RESULTS

Ordered By

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Site

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Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00T3

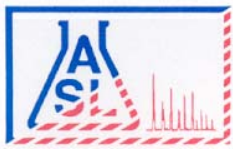
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

Our Lab I.D.		321760			
Client Sample I.D.		B2-25'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Acetone	50.0	ND			
Benzene	2.00	ND			
Bromobenzene (Phenyl bromide)	10.0	ND			
Bromochloromethane (Chlorobromomethane)	10.0	ND			
Bromodichloromethane (Dichlorobromomethane)	10.0	ND			
Bromoform (Tribromomethane)	50.0	ND			
Bromomethane (Methyl bromide)	30.0	ND			
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND			
n-Butylbenzene	10.0	ND			
sec-Butylbenzene	10.0	ND			
tert-Butylbenzene	10.0	ND			
Carbon disulfide	10.0	ND			
Carbon tetrachloride (Tetrachloromethane)	10.0	ND			
Chlorobenzene	10.0	ND			
Chloroethane	30.0	ND			
2-Chloroethyl vinyl ether	50.0	ND			
Chloroform (Trichloromethane)	10.0	ND			
Chloromethane (Methyl chloride)	30.0	ND			
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND			
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND			
Dibromochloromethane	10.0	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND			
Dibromomethane	10.0	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND			
Dichlorodifluoromethane	30.0	ND			
1,1-Dichloroethane	10.0	ND			



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ANALYTICAL RESULTS

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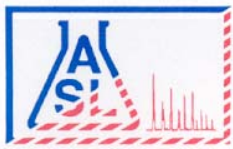
Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

Our Lab I.D.		321760			
Client Sample I.D.		B2-25'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
1,2-Dichloroethane	10.0	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND			
cis-1,2-Dichloroethene	10.0	ND			
trans-1,2-Dichloroethene	10.0	ND			
1,2-Dichloropropane	10.0	ND			
1,3-Dichloropropane	10.0	ND			
2,2-Dichloropropane	10.0	ND			
1,1-Dichloropropene	10.0	ND			
cis-1,3-Dichloropropene	10.0	ND			
trans-1,3-Dichloropropene	10.0	ND			
Ethylbenzene	2.00	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND			
2-Hexanone	50.0	ND			
Isopropylbenzene	10.0	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND			
MTBE	5.00	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND			
Methylene chloride (Dichloromethane, DCM)	50.0	ND			
Naphthalene	10.0	ND			
n-Propylbenzene	10.0	ND			
Styrene	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
Tetrachloroethene (Tetrachloroethylene)	10.0	ND			
Toluene (Methyl benzene)	2.00	ND			
1,2,3-Trichlorobenzene	10.0	ND			
1,2,4-Trichlorobenzene	10.0	ND			
1,1,1-Trichloroethane	10.0	ND			
1,1,2-Trichloroethane	10.0	ND			
Trichloroethene (TCE)	10.0	ND			
Trichlorofluoromethane	10.0	ND			
1,2,3-Trichloropropane	10.0	ND			
1,2,4-Trimethylbenzene	10.0	ND			
1,3,5-Trimethylbenzene	10.0	ND			
Vinyl acetate	50.0	ND			



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Environmental Testing Services

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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

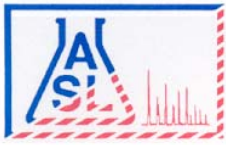
Our Lab I.D.		321760			
Client Sample I.D.		B2-25'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Vinyl chloride (Chloroethene)	30.0	ND			
o-Xylene	2.00	ND			
m- & p-Xylenes	4.00	ND			

Our Lab I.D.		321760			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	78			
Dibromofluoromethane	70-120	85			
Toluene-d8	70-120	87			

QUALITY CONTROL REPORT

QC Batch No: S1C-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	104	102	1.9	75-120	15				
Chlorobenzene	105	105	<1	75-120	15				
1,1-Dichloroethene (1,1-Dichloroethylene)	113	112	<1	75-120	15				
MTBE	102	100	2.0	75-120	15				
Toluene (Methyl benzene)	111	116	4.4	75-120	15				
Trichloroethene (TCE)	96	92	4.3	75-120	15				



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Number of Pages 34
Date Received 09/22/2014
Date Reported 09/26/2014

Telephone (858) 571-5500
Attn Luke Montague

Job Number	Ordered	Client
62131	09/22/2014	SCS

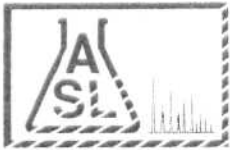
Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club
Site: 1150 Fashion Valley Road
San Diego, CA

Enclosed are the results of analyses on 32 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



AMERICAN SCIENTIFIC LABORATORIES, LLC
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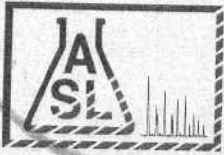
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **N° 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED			
Address: <u>8799 Balboa Ave. #290</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>Same</u>		Arsenic 6010B OP 8081A	
San Diego, CA 92123		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>			
Telephone: <u>(858) 571-5500</u>		San Diego, CA		Address: <u>Same</u>			
Fax: _____		Project ID: <u>01214245.00 T3</u>		P.O.#: _____			
Special Instruction: <u>24 HRS TAT</u>		Project Manager: <u>Luke Montague</u>					
<u>l.montague@scsengineers.com</u>							
<u>c.ramirez@scsengineers.com</u>							

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation									Remarks
	Lab ID	Sample ID	Date	Time	#	Type												
		SB15-3.0'	9/19/14			Acetate Sleeve	Soil	4°C	-	-								
6	321851	SB16-0.5'							✓	✓								
		SB16-1.5'							-	-								
		SB16-3.0'							-	-								
7	321852	SB17-0.5'							✓	✓								
		SB17-1.5'							-	-								
		SB17-3.0'							-	-								
8	321853	SB18-0.5'							✓	✓								
		SB18-1.5'							-	-								
		SB18-3.0'							-	-								

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/19/14</u>	Time: _____	Relinquished By: _____	Date: _____	Time: _____	TAT
Relinquished By: _____	Date: _____	Time: _____	Received For Laboratory: <u>Janet Chin</u>	Date: <u>9/22/14</u>	Time: <u>9:20</u>	<input type="checkbox"/> Normal
Received By: _____	Date: _____	Time: _____	Condition of Sample: _____	<input checked="" type="checkbox"/> Rush		



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2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# **G2131**

Company: SCS Engineers		Report To: SCS Engineers	ANALYSIS REQUESTED			
Address: 8799 Balboa Ave		Address: same	Arsenic 6010B	OP 8081A	CH 8151	
Project Name: Riverwalk Golf Club		Invoice To: SCS Engineers				
Site Address: 1150 Fashion Valley Rd.		Address: same				
San Diego, CA 92123		Project ID: 01214245.00 T3				
Telephone: (858) 571-5500		San Diego, CA				
Fax:						
Special Instruction: 24 HRS TAT		P.O.#:				
Email: lmontague@scsengineers.com cr Ramirez@scsengineers.com		Project Manager: Luke Montague				

ITEM	LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	Arsenic 6010B	OP 8081A	CH 8151	Remarks
	Lab ID	Sample ID	Date	Time	#	Type								
		SB22-1.5'	9/19/14			Acetate Sleeve	Soil	4°C	-	-	-			
		SB22-3.0							-	-	-			
14	321859	SB23-0.5'							✓	✓	-			
		SB23-1.5'							-	-	-			
		SB23-3.0'							-	-	-			
15	321860	SB24-0.5'							✓	✓	-			
		SB24-1.5'							-	-	-			
		SB24-3.0'							-	-	-			
16	321861	SB25-0.5'							✓	✓	-			
		SB25-1.5'							-	-	-			

Collected By: Cristobal Ramirez	Date: 9/19/14	Time:	Relinquished By:	Date:	Time:	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date:	Time:	Received For Laboratory: Janet Chin	Date: 9/22/14	Time: 9:20	
Received By:	Date:	Time:	Condition of Sample:			



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COC# **N° 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED											
Address: <u>8199 Balboa Ave #290</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>same</u>											
<u>San Diego, CA 92123</u>		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>											
Telephone: <u>(858) 571-5500</u>		<u>San Diego, CA</u>		Address: <u>same</u>											
Fax: _____		Project ID: <u>01214245.00 T3</u>													
Special Instruction: <u>24 HRS TAT</u>		Project Manager: <u>Luke Montague</u>		P.O.#: _____											
<u>lmontague@scsengineers.com</u>		<u>lramirez@scsengineers.com</u>													

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	-	-	-							Remarks
	Lab ID	Sample ID	Date	Time	#	Type													
		<u>SB25-3.0'</u>	<u>9/19/14</u>			<u>Acetate sleeve</u>	<u>Soil</u>	<u>4°C</u>	-	-	-								
<u>17</u>	<u>321862</u>	<u>SB26-0.5'</u>							✓	✓	-								
		<u>SB26-1.5'</u>							-	-	-								
<u>18</u>	<u>321863</u>	<u>SB26-3.0'</u>							✓	✓	✓								
<u>19</u>	<u>321864</u>	<u>SB27-0.5'</u>							✓	✓	-								
<u>20</u>	<u>321865</u>	<u>SB27-1.5'</u>							✓	✓	-								
		<u>SB27-3.0'</u>							-	-	-								
<u>21</u>	<u>321866</u>	<u>SB28-0.5'</u>							✓	✓	-								
<u>22</u>	<u>321867</u>	<u>SB28-1.5'</u>							✓	✓	-								
		<u>SB28-3.0'</u>							-	-	-								

Collected By: <u>Cristobal Ramirez</u>	Date <u>9/19/14</u>	Time _____	Relinquished By: _____	Date _____	Time _____	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By: _____	Date _____	Time _____	Received For Laboratory <u>Janet Chin</u>	Date <u>9/22/14</u>	Time <u>9:20</u>	
Received By: _____	Date _____	Time _____	Condition of Sample: _____			



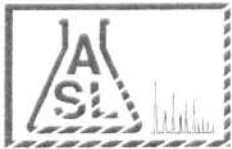
AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>				Report To:				ANALYSIS REQUESTED														
Address:				Project Name:				Address:				<u>Arsenic 6010B</u> <u>OP 8081A</u> <u>CH 8151</u>										
Site Address:				Invoice To:				Address:														
Telephone				Project ID:				P.O.#:														
Fax				Project Manager:				Special Instruction: <u>24HRS TAT</u>														
I T E M	LAB USE ONLY	SAMPLE DESCRIPTION			Container(s)		Matrix	Preservation													Remarks	
	Lab ID	Sample ID	Date	Time	#	Type																
23	321868	SB29-0.5'							✓	✓	-											
		SB29-1.5'							-	-	-											
		SB29-3.0'							-	-	-											
24	321869	SB30-0.5'							✓	✓	-											
		SB30-1.5'							-	-	-											
		SB30-3.0'							-	-	-											
25	321870	SB31-0.5'							✓	✓	-											
		SB31-1.5'							-	-	-											
		SB31-3.0'							-	-	-											
26	321871	SB32-0.5'							✓	✓	-											

Collected By: <u>Cristobal Ramirez</u> Date <u>9/19/14</u> Time _____			Relinquished By: _____ Date _____ Time _____			TAT	
Relinquished By: _____ Date _____ Time _____			Received For Laboratory: <u>Janet Chin</u> Date <u>9/22/14</u> Time <u>9:20</u>			<input type="checkbox"/> Normal	
Received By: _____ Date _____ Time _____			Condition of Sample: _____			<input checked="" type="checkbox"/> Rush	



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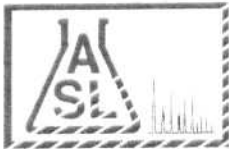
COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>		Report To:		ANALYSIS REQUESTED											
Address:		Project Name:		Address:											
		Site Address:		Invoice To:											
Telephone:				Address:											
Fax:															
Special Instruction: <u>24HR TAT</u>		Project ID:													
E-mail:		Project Manager:		P.O.#:											

Arsenic GOLOB
 OP 8081A
 CH 8151

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation											Remarks				
	Lab ID	Sample ID	Date	Time	#	Type																		
		SB32-1.5'								-	-	-												
		SB32-3.0'								-	-	-												
27	321872	SB33-0.5'								✓	✓	-												
		SB33-1.5'								-	-	-												
		SB3330'								-	-	-												
28	321873	SB34-0.5'								✓	✓	-												
		SB34-1.5'								-	-	-												
		SB34-3.0'								-	-	-												
29	321874	SB35-0.5'								✓	✓	-												
		SB35-1.5'								-	-	-												

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/19/14</u> Time:	Relinquished By:	Date:	Time:	TAT
Relinquished By:	Date:	Time:	Received For Laboratory: <u>Taret chin</u>	Date: <u>9/22/14</u> Time: <u>9:20</u>	<input type="checkbox"/> Normal
Received By:	Date:	Time:	Condition of Sample:		<input checked="" type="checkbox"/> Rush



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

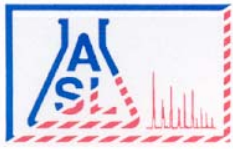
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: SCS Engineers		Report To:		ANALYSIS REQUESTED														
Address:		Project Name:		Address:		Arsenic 6010B OP 8081A CH 8151 TPH 8015B VOCs 8260B												
		Site Address:		Invoice To:														
Telephone Fax				Address:														
Special Instruction: 24HRS TAT		Project ID:																
E-mail:		Project Manager:		P.O.#:														

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation										Remarks
	Lab ID	Sample ID	Date	Time	#	Type													
		SB35-3.0'								-	-	-	-	-					
30	321875	SB36-0.5'								✓	✓	-	-	-					
		SB36-1.5'								-	-	-	-	-					
		SB36-3.0'								-	-	-	-	-					
31	321876	SB37-0.5'								✓	✓	-	-	-					
		SB37-1.5'								-	-	-	-	-					
		SB37-3.0'								-	-	-	-	-					
32	321877	GW 1								-	✓	-	✓	✓					

Collected By: Cristobal Ramirez	Date: 9/19/14	Time:	Relinquished By:	Date:	Time:	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date:	Time:	Received For Laboratory: Jarnt Chen	Date: 9/22/14	Time: 9:20	
Received By:	Date:	Time:	Condition of Sample:			



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: **2**

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

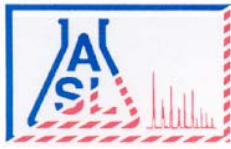
QC Batch No: 092114-1

Our Lab I.D.		321848	321849	321850	321851	321852
Client Sample I.D.		SB13-0.5'	SB14-0.5'	SB15-0.5'	SB16-0.5'	SB17-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	3.84	2.73	ND	0.345	21.0

QUALITY CONTROL REPORT

QC Batch No: 092114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	91	90	1.1	80-120	<20				



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 3

Project ID: 01214245.00 T3

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Project Name: Riverwalk Golf Club

Method: 6010B, Arsenic (ICP)

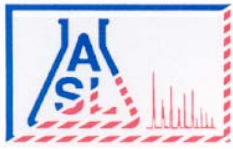
QC Batch No: 092114-1

Our Lab I.D.		321853	321854	321855	321856	321857
Client Sample I.D.		SB18-0.5'	SB19-0.5'	SB19-1.5'	SB20-0.5'	SB21-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	8.69	0.569	0.475	7.96	0.572

QUALITY CONTROL REPORT

QC Batch No: 092114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	91	90	1.1	80-120	<20				



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: **4**

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

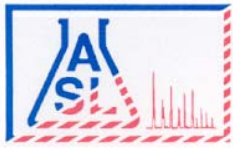
QC Batch No: 092114-1

Our Lab I.D.		321858	321859	321860	321861	321862
Client Sample I.D.		SB22-0.5'	SB23-0.5'	SB24-0.5'	SB25-0.5'	SB26-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	0.806	0.294	1.99	0.987	0.960

QUALITY CONTROL REPORT

QC Batch No: 092114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	91	90	1.1	80-120	<20				



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 5

Project ID: 01214245.00 T3

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Project Name: Riverwalk Golf Club

Method: 6010B, Arsenic (ICP)

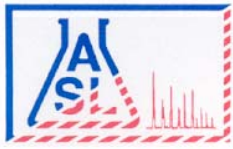
QC Batch No: 092114-2

Our Lab I.D.		321863	321864	321865	321866	321867
Client Sample I.D.		SB26-3.0'	SB27-0.5'	SB27-1.5'	SB28-0.5'	SB28-1.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	1.78	ND	ND	6.23	11.1

QUALITY CONTROL REPORT

QC Batch No: 092114-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	90	91	1.1	80-120	<20				



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 6

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

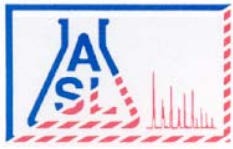
QC Batch No: 092114-2

Our Lab I.D.		321868	321869	321870	321871	321872
Client Sample I.D.		SB29-0.5'	SB30-0.5'	SB31-0.5'	SB32-0.5'	SB33-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	0.618	0.458	ND	1.50	ND

QUALITY CONTROL REPORT

QC Batch No: 092114-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	90	91	1.1	80-120	<20				



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ANALYTICAL RESULTS

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 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
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Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

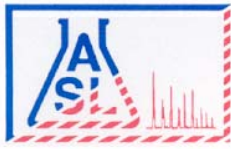
QC Batch No: 092114-2

Our Lab I.D.		321873	321874	321875	321876	
Client Sample I.D.		SB34-0.5'	SB35-0.5'	SB36-0.5'	SB37-0.5'	
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
ICP Metals						
Arsenic	0.250	0.509	0.449	0.645	2.54	

QUALITY CONTROL REPORT

QC Batch No: 092114-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	90	91	1.1	80-120	<20				



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Page: 8

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-092214

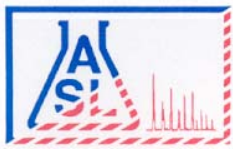
Our Lab I.D.		321846	321847			
Client Sample I.D.		B5-3.0'	B5-8.0'			
Date Sampled		09/19/2014	09/19/2014			
Date Prepared		09/22/2014	09/22/2014			
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH DROs (C10 to C28)	10.0	ND	ND			
TPH OROs (C28+)	50.0	ND	ND			

Our Lab I.D.		321846	321847			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Chlorobenzene	70-120	114	111			

QUALITY CONTROL REPORT

QC Batch No: S1D-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	92	93	1.1	75-120	<20					



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

Site

1150 Fashion Valley Road
 San Diego, CA

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-092214

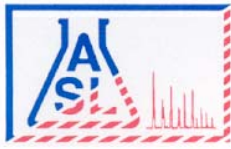
Our Lab I.D.		321846	321847			
Client Sample I.D.		B5-3.0'	B5-8.0'			
Date Sampled		09/19/2014	09/19/2014			
Date Prepared		09/22/2014	09/22/2014			
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH GROs (C6 to C10)	500	ND	ND			

Our Lab I.D.		321846	321847			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	96	88			

QUALITY CONTROL REPORT

QC Batch No: S1G-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	93	102	9.2	75-120	<20					
Toluene	90	94	4.3	75-120	<20					



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Page: 10

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

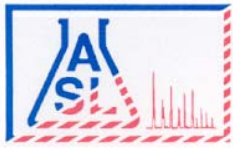
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321848	321849	321850	321851	321852
Client Sample I.D.		SB13-0.5'	SB14-0.5'	SB15-0.5'	SB16-0.5'	SB17-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321848	321849	321850	321851	321852
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	87	77	91	74	91



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

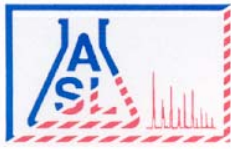
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	109	8.8	42-122	<30					
4,4'-DDT (DDT)	129	116	10.6	25-160	<30					
Dieldrin	124	126	1.6	36-146	<30					
Endrin	117	133	12.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	100	110	9.5	32-127	<30					
Heptachlor	101	107	5.8	34-111	<30					



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ANALYTICAL RESULTS

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Site

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 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

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Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

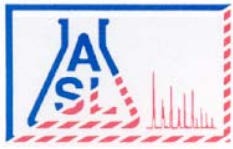
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321853	321854	321855	321856	321857
Client Sample I.D.		SB18-0.5'	SB19-0.5'	SB19-1.5'	SB20-0.5'	SB21-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	3.03
alpha-Chlordane	2.00	ND	ND	ND	ND	4.49
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321853	321854	321855	321856	321857
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	74	98	88	70	101



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

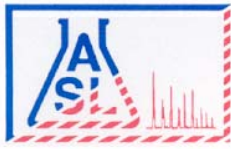
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	109	8.8	42-122	<30					
4,4'-DDT (DDT)	129	116	10.6	25-160	<30					
Dieldrin	124	126	1.6	36-146	<30					
Endrin	117	133	12.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	100	110	9.5	32-127	<30					
Heptachlor	101	107	5.8	34-111	<30					



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

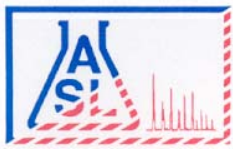
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321858	321859	321860	321861	321862
Client Sample I.D.		SB22-0.5'	SB23-0.5'	SB24-0.5'	SB25-0.5'	SB26-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	3.07	2.67
alpha-Chlordane	2.00	2.26	ND	ND	4.54	4.46
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321858	321859	321860	321861	321862
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	84	82	117	88	93



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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

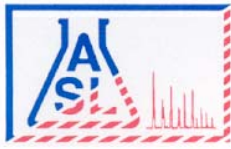
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	109	8.8	42-122	<30					
4,4'-DDT (DDT)	129	116	10.6	25-160	<30					
Dieldrin	124	126	1.6	36-146	<30					
Endrin	117	133	12.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	100	110	9.5	32-127	<30					
Heptachlor	101	107	5.8	34-111	<30					



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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

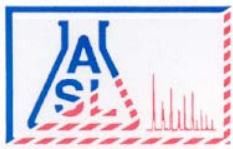
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321863	321864	321865	321866	321867
Client Sample I.D.		SB26-3.0'	SB27-0.5'	SB27-1.5'	SB28-0.5'	SB28-1.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321863	321864	321865	321866	321867
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	95	93	89	91	96



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

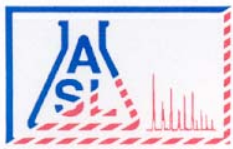
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	109	8.8	42-122	<30					
4,4'-DDT (DDT)	129	116	10.6	25-160	<30					
Dieldrin	124	126	1.6	36-146	<30					
Endrin	117	133	12.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	100	110	9.5	32-127	<30					
Heptachlor	101	107	5.8	34-111	<30					



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ANALYTICAL RESULTS

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Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

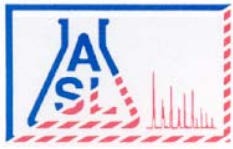
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-2

Our Lab I.D.		321868	321869	321870	321871	321872
Client Sample I.D.		SB29-0.5'	SB30-0.5'	SB31-0.5'	SB32-0.5'	SB33-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321868	321869	321870	321871	321872
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	108	89	99	88	96



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

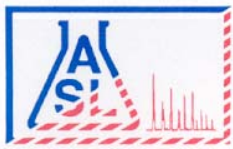
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	114	4.5	42-122	<30					
4,4'-DDT (DDT)	105	112	6.5	25-160	<30					
Dieldrin	109	124	12.9	36-146	<30					
Endrin	120	127	5.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	108	119	9.7	32-127	<30					
Heptachlor	102	108	5.7	34-111	<30					



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Ordered By

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Site

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Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

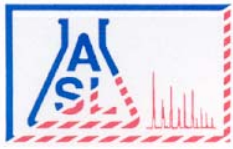
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-2

Our Lab I.D.		321873	321874	321875		
Client Sample I.D.		SB34-0.5'	SB35-0.5'	SB36-0.5'		
Date Sampled		09/19/2014	09/19/2014	09/19/2014		
Date Prepared		09/22/2014	09/22/2014	09/22/2014		
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Aldrin	2.00	ND	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND		
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND		
Gamma-Chlordane	2.00	ND	ND	ND		
alpha-Chlordane	2.00	ND	ND	ND		
4,4'-DDD (DDD)	4.00	ND	ND	9.79		
4,4'-DDE (DDE)	4.00	ND	ND	ND		
4,4'-DDT (DDT)	4.00	ND	ND	11.6		
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND		
Dieldrin	4.00	ND	ND	ND		
Endosulfan 1	2.00	ND	ND	ND		
Endosulfan 11	4.00	ND	ND	ND		
Endosulfan sulfate	4.00	ND	ND	ND		
Endrin	4.00	ND	ND	ND		
Endrin aldehyde	4.00	ND	ND	ND		
Endrin ketone	4.00	ND	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND		
Heptachlor	2.00	ND	ND	ND		
Heptachlor epoxide	2.00	ND	ND	ND		
Methoxychlor	4.00	ND	ND	ND		
Toxaphene	170	ND	ND	ND		
Chlordane, Total	170	ND	ND	ND		

Our Lab I.D.		321873	321874	321875		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	97	88	97		



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

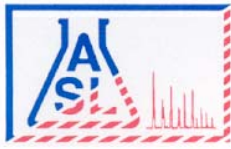
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	114	4.5	42-122	<30					
4,4'-DDT (DDT)	105	112	6.5	25-160	<30					
Dieldrin	109	124	12.9	36-146	<30					
Endrin	120	127	5.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	108	119	9.7	32-127	<30					
Heptachlor	102	108	5.7	34-111	<30					



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Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

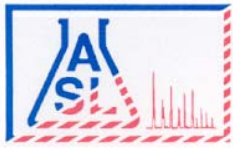
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-2A

Our Lab I.D.		321876			
Client Sample I.D.		SB37-0.5'			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Aldrin	2.00	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND			
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND			
Gamma-Chlordane	10.0	334			
alpha-Chlordane	10.0	565			
4,4'-DDD (DDD)	4.00	22.1			
4,4'-DDE (DDE)	20.0	261			
4,4'-DDT (DDT)	4.00	11.7			
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND			
Dieldrin	4.00	49.6			
Endosulfan 1	2.00	ND			
Endosulfan 11	4.00	ND			
Endosulfan sulfate	4.00	ND			
Endrin	4.00	ND			
Endrin aldehyde	4.00	ND			
Endrin ketone	4.00	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND			
Heptachlor	2.00	ND			
Heptachlor epoxide	2.00	20.7			
Methoxychlor	4.00	ND			
Toxaphene	170	ND			
Chlordane, Total	850	1430			

Our Lab I.D.		321876			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Decachlorobiphenyl	43-169	92			



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

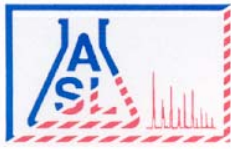
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-2A

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	114	4.5	42-122	<30					
4,4'-DDT (DDT)	105	112	6.5	25-160	<30					
Dieldrin	109	124	12.9	36-146	<30					
Endrin	120	127	5.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	108	119	9.7	32-127	<30					
Heptachlor	102	108	5.7	34-111	<30					



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Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8151A, Chlorinated Herbicides by Gas Chromatography

QC Batch No: 092414-1

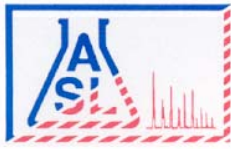
Our Lab I.D.		321854	321863		
Client Sample I.D.		SB19-0.5'	SB26-3.0'		
Date Sampled		09/19/2014	09/19/2014		
Date Prepared		09/22/2014	09/22/2014		
Preparation Method					
Date Analyzed		09/24/2014	09/24/2014		
Matrix		Soil	Soil		
Units		ug/kg	ug/kg		
Dilution Factor		1	1		
Analytes	PQL	Results	Results		
2,4-D	100	ND	ND		
2,4-DB	100	ND	ND		
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10.0	ND	ND		
2,4,5,-TP (Silvex)	10.0	ND	ND		
Dalapon	250	ND	ND		
Dicamba	10.0	ND	ND		
Dichloroprop	100	ND	ND		
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	50.0	ND	ND		
MCPA	10000	ND	ND		
MCPD	10000	ND	ND		

Our Lab I.D.		321854	321863		
Surrogates	% Rec.Limit	% Rec.	% Rec.		
Surrogate Percent Recovery					
2,4-Dichlorophenoxyacetic acid	30-130	111	161		

QUALITY CONTROL REPORT

QC Batch No: 092414-1

Analytes	LCS % REC	LCS/LCSD % Limit							
2,4-D	128	30-130							
2,4-DB	130	30-130							
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	118	30-130							



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Page: 25

Project ID: 01214245.00 T3

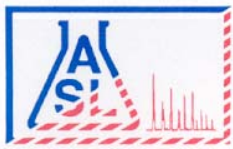
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Project Name: Riverwalk Golf Club

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092214

Our Lab I.D.		321846	321847			
Client Sample I.D.		B5-3.0'	B5-8.0'			
Date Sampled		09/19/2014	09/19/2014			
Date Prepared		09/22/2014	09/22/2014			
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
Acetone	50.0	ND	ND			
Benzene	2.00	ND	ND			
Bromobenzene (Phenyl bromide)	10.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND			
Bromoform (Tribromomethane)	50.0	ND	ND			
Bromomethane (Methyl bromide)	30.0	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND			
n-Butylbenzene	10.0	ND	ND			
sec-Butylbenzene	10.0	ND	ND			
tert-Butylbenzene	10.0	ND	ND			
Carbon disulfide	10.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND			
Chlorobenzene	10.0	ND	ND			
Chloroethane	30.0	ND	ND			
2-Chloroethyl vinyl ether	50.0	ND	ND			
Chloroform (Trichloromethane)	10.0	ND	ND			
Chloromethane (Methyl chloride)	30.0	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND			
Dibromochloromethane	10.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND			
Dibromomethane	10.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND			
Dichlorodifluoromethane	30.0	ND	ND			
1,1-Dichloroethane	10.0	ND	ND			



ANALYTICAL RESULTS

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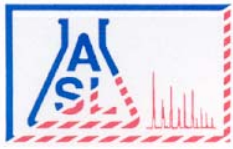
Project ID: 01214245.00 T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092214

Our Lab I.D.		321846	321847		
Client Sample I.D.		B5-3.0'	B5-8.0'		
Date Sampled		09/19/2014	09/19/2014		
Date Prepared		09/22/2014	09/22/2014		
Preparation Method					
Date Analyzed		09/22/2014	09/22/2014		
Matrix		Soil	Soil		
Units		ug/kg	ug/kg		
Dilution Factor		1	1		
Analytes	PQL	Results	Results		
1,2-Dichloroethane	10.0	ND	ND		
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND		
cis-1,2-Dichloroethene	10.0	ND	ND		
trans-1,2-Dichloroethene	10.0	ND	ND		
1,2-Dichloropropane	10.0	ND	ND		
1,3-Dichloropropane	10.0	ND	ND		
2,2-Dichloropropane	10.0	ND	ND		
1,1-Dichloropropene	10.0	ND	ND		
cis-1,3-Dichloropropene	10.0	ND	ND		
trans-1,3-Dichloropropene	10.0	ND	ND		
Ethylbenzene	2.00	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND		
2-Hexanone	50.0	ND	ND		
Isopropylbenzene	10.0	ND	ND		
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND		
MTBE	5.00	ND	ND		
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND		
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND		
Naphthalene	10.0	ND	ND		
n-Propylbenzene	10.0	ND	ND		
Styrene	10.0	ND	ND		
1,1,1,2-Tetrachloroethane	10.0	ND	ND		
1,1,2,2-Tetrachloroethane	10.0	ND	ND		
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND		
Toluene (Methyl benzene)	2.00	ND	ND		
1,2,3-Trichlorobenzene	10.0	ND	ND		
1,2,4-Trichlorobenzene	10.0	ND	ND		
1,1,1-Trichloroethane	10.0	ND	ND		
1,1,2-Trichloroethane	10.0	ND	ND		
Trichloroethene (TCE)	10.0	ND	ND		
Trichlorofluoromethane	10.0	ND	ND		
1,2,3-Trichloropropane	10.0	ND	ND		
1,2,4-Trimethylbenzene	10.0	ND	ND		
1,3,5-Trimethylbenzene	10.0	ND	ND		
Vinyl acetate	50.0	ND	ND		



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092214

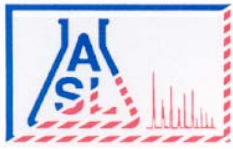
Our Lab I.D.		321846	321847			
Client Sample I.D.		B5-3.0'	B5-8.0'			
Date Sampled		09/19/2014	09/19/2014			
Date Prepared		09/22/2014	09/22/2014			
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
Vinyl chloride (Chloroethene)	30.0	ND	ND			
o-Xylene	2.00	ND	ND			
m- & p-Xylenes	4.00	ND	ND			

Our Lab I.D.		321846	321847			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	108	106			
Dibromofluoromethane	70-120	100	100			
Toluene-d8	70-120	101	101			

QUALITY CONTROL REPORT

QC Batch No: S1B-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	103	107	3.8	75-120	15					
Chlorobenzene	110	114	3.6	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	81	92	12.7	75-120	15					
MTBE	95	95	<1	75-120	15					
Toluene (Methyl benzene)	107	113	5.5	75-120	15					
Trichloroethene (TCE)	103	106	2.9	75-120	15					



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: **28**

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: W1D-092214

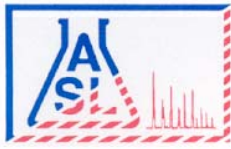
Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		mg/L			
Dilution Factor		1			
Analytes	PQL	Results			
TPH DROs (C10 to C28)	0.500	ND			
TPH OROs (C28+)	0.500	ND			

Our Lab I.D.		321877			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Chlorobenzene	70-120	88			

QUALITY CONTROL REPORT

QC Batch No: W1D-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Diesel	98	102	4.0	75-120	<20				



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ANALYTICAL RESULTS

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Telephone: (858)571-5500

Attn: Luke Montague

Page: 29

Project ID: 01214245.00 T3

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Project Name: Riverwalk Golf Club

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: W1G-092214

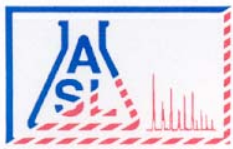
Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
TPH GROs (C6 to C10)	50.0	ND			

Our Lab I.D.		321877			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	90			

QUALITY CONTROL REPORT

QC Batch No: W1G-092214

Analytes	MS % REC	MS DUP % REC	RPD %						
Benzene	87	95	8.8						
Toluene	87	92	5.6						



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Page: 30

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

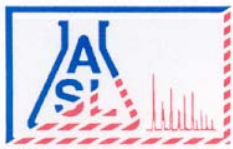
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
Aldrin	0.0400	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	0.120	ND			
Beta-Hexachlorocyclohexane (Beta-BHC)	0.110	ND			
Gamma-Chlordane	0.400	ND			
alpha-Chlordane	0.400	ND			
4,4'-DDD (DDD)	0.100	ND			
4,4'-DDE (DDE)	0.0900	ND			
4,4'-DDT (DDT)	0.0400	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	0.110	ND			
dieldrin	0.0500	ND			
Endosulfan 1	0.0600	ND			
Endosulfan 11	0.0900	ND			
Endosulfan sulfate	0.0700	ND			
Endrin	0.0800	ND			
Endrin aldehyde	0.0900	ND			
Endrin ketone	0.0700	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.0600	ND			
Heptachlor	0.0300	ND			
Heptachlor epoxide	0.0700	ND			
Methoxychlor	0.100	ND			
Toxaphene	10.0	ND			
Chlordane, Total	10.0	ND			

Our Lab I.D.		321877			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Decachlorobiphenyl	43-169	72			



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

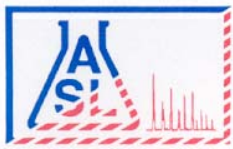
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	120	119	<1	42-122	<30					
4,4'-DDT (DDT)	116	110	5.3	25-160	<30					
dieldrin	119	99	18.3	36-146	<30					
Endrin	109	139	24.2	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	109	102	6.6	32-127	<30					
Heptachlor	110	103	6.6	34-111	<30					



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Page: 32

Project ID: 01214245.00 T3

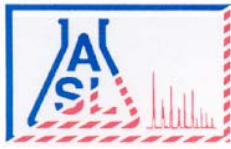
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-092214

Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
Acetone	5.00	ND			
Benzene	1.00	ND			
Bromobenzene (Phenyl bromide)	1.00	ND			
Bromochloromethane (Chlorobromomethane)	1.00	ND			
Bromodichloromethane (Dichlorobromomethane)	1.00	ND			
Bromoform (Tribromomethane)	5.00	ND			
Bromomethane (Methyl bromide)	3.00	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.00	ND			
n-Butylbenzene	1.00	ND			
sec-Butylbenzene	1.00	ND			
tert-Butylbenzene	1.00	ND			
Carbon disulfide	1.00	ND			
Carbon tetrachloride (Tetrachloromethane)	1.00	ND			
Chlorobenzene	1.00	ND			
Chloroethane	3.00	ND			
2-Chloroethyl vinyl ether	5.00	ND			
Chloroform (Trichloromethane)	1.00	ND			
Chloromethane (Methyl chloride)	3.00	ND			
4-Chlorotoluene (p-Chlorotoluene)	1.00	ND			
2-Chlorotoluene (o-Chlorotoluene)	1.00	ND			
1,2-Dibromo-3-chloropropane (DBCP)	5.00	ND			
Dibromochloromethane	1.00	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	1.00	ND			
Dibromomethane	1.00	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.00	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.00	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	1.00	ND			
Dichlorodifluoromethane	3.00	ND			
1,1-Dichloroethane	1.00	ND			



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-092214

Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
1,2-Dichloroethane	1.00	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	1.00	ND			
cis-1,2-Dichloroethene	1.00	1.22			
trans-1,2-Dichloroethene	1.00	ND			
1,2-Dichloropropane	1.00	ND			
1,3-Dichloropropane	1.00	ND			
2,2-Dichloropropane	1.00	ND			
1,1-Dichloropropene	1.00	ND			
cis-1,3-Dichloropropene	1.00	ND			
trans-1,3-Dichloropropene	1.00	ND			
Ethylbenzene	1.00	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3.00	ND			
2-Hexanone	5.00	ND			
Isopropylbenzene	1.00	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	1.00	ND			
MTBE	2.00	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	5.00	ND			
Methylene chloride (Dichloromethane, DCM)	5.00	ND			
Naphthalene	1.00	ND			
n-Propylbenzene	1.00	ND			
Styrene	1.00	ND			
1,1,1,2-Tetrachloroethane	1.00	ND			
1,1,1,2-Tetrachloroethane	1.00	ND			
Tetrachloroethene (Tetrachloroethylene)	1.00	ND			
Toluene (Methyl benzene)	1.00	ND			
1,2,3-Trichlorobenzene	1.00	ND			
1,2,4-Trichlorobenzene	1.00	ND			
1,1,1-Trichloroethane	1.00	ND			
1,1,2-Trichloroethane	1.00	ND			
Trichloroethene (TCE)	1.00	ND			
Trichlorofluoromethane	1.00	ND			
1,2,3-Trichloropropane	1.00	ND			
1,2,4-Trimethylbenzene	1.00	ND			
1,3,5-Trimethylbenzene	1.00	ND			
Vinyl acetate	5.00	ND			



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ANALYTICAL RESULTS

Page: **34**

Project ID: 01214245.00 T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-092214

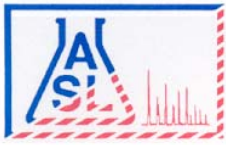
Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
Vinyl chloride (Chloroethene)	3.00	ND			
o-Xylene	1.00	ND			
m- & p-Xylenes	2.00	ND			

Our Lab I.D.		321877			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	106			
Dibromofluoromethane	70-120	92			
Toluene-d8	70-120	100			

QUALITY CONTROL REPORT

QC Batch No: W1B-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	109	111	1.8	75-120	15				
Chlorobenzene	112	115	2.6	75-120	15				
1,1-Dichloroethene (1,1-Dichloroethylene)	92	94	2.2	75-120	15				
MTBE	108	100	7.7	75-120	15				
Toluene (Methyl benzene)	113	116	2.6	75-120	15				
Trichloroethene (TCE)	109	106	2.8	75-120	15				



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Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Number of Pages 6
Date Received 09/22/2014
Date Reported 10/02/2014

Telephone (858) 571-5500
Attn Christobal Ramirez

Job Number	Ordered	Client
62190	09/25/2014	SCS

Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club
Site: 1150 Fashion Valley Road
San Diego, CA

Enclosed are the results of analyses on 10 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

From: Ramirez, Cristobal [mailto:CRamirez@scsengineers.com]

Sent: Thursday, September 25, 2014 7:56 AM

To: Alen Hosepian

Please analyze the following samples under normal TAT for organochlorine pesticides (Method 8081A):

Additional Test request

ASL JOB # 62190

Requested Date : 9/25/14

Normal TAT

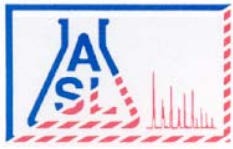
Report Due Date : 10/2/14

	Sample ID	Sample Date	Matrix	Analysis	Analysis	NEW ID
1	SB1-1.5	9/18/2014	Soil	8081A	Pesticides	322150
2	SB21-1.5	9/19/2014	Soil	8081A	Pesticides	322151
3	SB25-1.5	9/19/2014	Soil	8081A	Pesticides	322152
4	SB26-1.5	9/19/2014	Soil	8081A	Pesticides	322153
5	SB36-1.5	9/19/2014	Soil	8081A	Pesticides	322154
6	SB37-1.5	9/19/2014	Soil	8081A	Pesticides	322155

And Arsenic (Method 6010B):

7	SB8-1.5	9/18/2014	Soil	6010B	Arsenic	322156
8	SB9-3.0	9/18/2014	Soil	6010B	Arsenic	322157
9	SB17-1.5	9/19/2014	Soil	6010B	Arsenic	322158
10	SB28-3.0	9/19/2014	Soil	6010B	Arsenic	322159

Cristobal A. Ramirez, CAC
Senior Project Professional
SCS Engineers



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ANALYTICAL RESULTS

Ordered By

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Site

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Telephone: (858)571-5500

Attn: Christobal Ramirez

Page: **2**

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

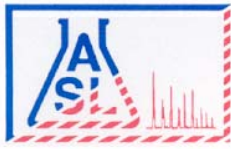
QC Batch No: 100214-1

Our Lab I.D.		322156	322157	322158	322159	
Client Sample I.D.		SB8-1.5	SB9-3.0	SB17-1.5	SB28-3.0	
Date Sampled		09/18/2014	09/18/2014	09/19/2014	09/19/2014	
Date Prepared		10/02/2014	10/02/2014	10/02/2014	10/02/2014	
Preparation Method						
Date Analyzed		10/02/2014	10/02/2014	10/02/2014	10/02/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
ICP Metals						
Arsenic	0.250	4.35	5.58	34.9	0.922	

QUALITY CONTROL REPORT

QC Batch No: 100214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	93	95	2.9	80-120	<20				



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ANALYTICAL RESULTS

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Telephone: (858)571-5500

Attn: Christobal Ramirez

Page: 3

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

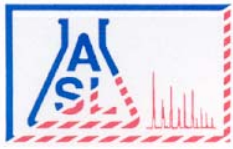
ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 100114-1

Our Lab I.D.		322150	322151	322152	322153	322154
Client Sample I.D.		SB1-1.5	SB21-1.5	SB25-1.5	SB26-1.5	SB36-1.5
Date Sampled		09/18/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		10/01/2014	10/01/2014	10/01/2014	10/01/2014	10/01/2014
Preparation Method						
Date Analyzed		10/01/2014	10/01/2014	10/01/2014	10/01/2014	10/01/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		322150	322151	322152	322153	322154
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	83	85	108	94	101



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

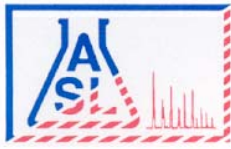
ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 100114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	82	88	7.1	42-122	<30					
4,4'-DDT (DDT)	88	100	12.8	25-160	<30					
Dieldrin	84	92	9.1	36-146	<30					
Endrin	86	92	6.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	86	89	3.4	32-127	<30					
Heptachlor	84	87	3.5	34-111	<30					



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Christobal Ramirez

Page: 5

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

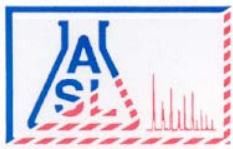
ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 100114-1

Our Lab I.D.		322155			
Client Sample I.D.		SB37-1.5			
Date Sampled		09/19/2014			
Date Prepared		10/01/2014			
Preparation Method					
Date Analyzed		10/01/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Aldrin	2.00	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND			
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND			
Gamma-Chlordane	2.00	ND			
alpha-Chlordane	2.00	ND			
4,4'-DDD (DDD)	4.00	ND			
4,4'-DDE (DDE)	4.00	ND			
4,4'-DDT (DDT)	4.00	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND			
Dieldrin	4.00	ND			
Endosulfan 1	2.00	ND			
Endosulfan 11	4.00	ND			
Endosulfan sulfate	4.00	ND			
Endrin	4.00	ND			
Endrin aldehyde	4.00	ND			
Endrin ketone	4.00	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND			
Heptachlor	2.00	ND			
Heptachlor epoxide	2.00	ND			
Methoxychlor	4.00	ND			
Toxaphene	170	ND			
Chlordane, Total	170	ND			

Our Lab I.D.		322155			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Decachlorobiphenyl	43-169	97			



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ANALYTICAL RESULTS

Page: **6**

Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

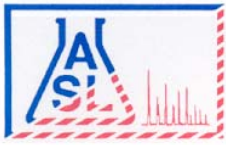
ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 100114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
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gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	86	89	3.4	32-127	<30					
Heptachlor	84	87	3.5	34-111	<30					



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Environmental Testing Services

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Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Number of Pages 2
Date Received 09/19/2014
Date Reported 10/16/2014

Telephone (858) 571-5500
Attn Christobal Ramirez

Job Number	Ordered	Client
62353	10/13/2014	SCS

Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

Enclosed are the results of analyses on 1 sample analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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Additional Request (10/13/14)

1 d 2

3 Days Rush, Report Due: 10/16/14 Page 5 of 8

NEW JOB# 62353

COC# N° 50689 GLOBAL ID

E REPORT: PDF EDF EDD ASL JOB# 62115

Company SCS Engineers	Report To SCS	ANALYSIS REQUESTED		
Address	Address: Same	Arsenic 6010B OP 8081A CH 8151		
Project Name: Riverwalk Golf Club	Invoice To SCS			
Site Address	Address: Same			
Telephone	Project ID 01214245.00 T3			
Fax	Project Manager			
Special Instructions 24 HRS TAT	P.O.#			

ITEM	LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	New I.D.	Remarks
	Lab ID	Sample ID	Date	Time	#	Type						
		SB8-3.0'	9/18/14			Acetate sleeve	Soil	4°C	-	-	-	
24	321778	SB9-0.5'							✓	✓	✓	
25	321779	SB9-1.5'							✓	✓	-	
		SB9-3.0'							⊗	-	-	320976
26	321780	SB10-0.5'							✓	✓	-	
27	321781	SB11-0.5'							✓	✓	-	
		SB11-1.5'							-	-	-	
28	321782	SB11-3.0'							✓	✓	-	
29	321783	SB12-0.5'							✓	✓	-	
		SB12 1.5'							-	-	-	

Collected By Cristobal Ramirez	Date 9/18/14	Time	Relinquished By	Date	Time	TAT
Relinquished By	Date	Time	Received For Laboratory Janet Chun	Date 9/19/14	Time 11:20	<input type="checkbox"/> Normal
Received By	Date	Time	Condition of Sample			<input checked="" type="checkbox"/> Rush

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AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel (323) 223-9700 • Fax: (323) 223-9500

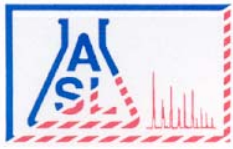
NEW JOB # 62353

COC# N^o 65082 GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: SCS Engineers		Report To: SCS Engineers		ANALYSIS REQUESTED			
Address: 8799 Balboa Ave. #290		Project Name: Riverwalk Golf Club		Address: Same		Arsenic 6010B OP 8081A	
San Diego, CA 92123		Site Address: 1150 Fashion Valley Rd		Invoice To: SCS Engineers			
Telephone: (858) 571-5500		San Diego, CA		Address: Same			
Fax:		Project ID: 01214245.00 T3		PO#:			
Special Instruction: 24 HRS TAT		Project Manager: Luke Montague		New I.D.			
Email: lmontague@scsengineers.com							
Email: cramirez@scsengineers.com							

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation										Remarks
	Lab ID	Sample ID	Date	Time	#	Type													
		SB15-3.0'	9/19/14			Acetate Sleeve	Soil	4°C	-	-									
6	321851	SB16-0.5'							✓	✓									
		SB16-1.5'							-	-									
		SB16-3.0'							-	-									
7	321852	SB17-0.5'							✓	✓									
		SB17-1.5'							-	-									
		SB17-3.0'							⊗	-									322977
8	321853	SB18-0.5'							✓	✓									
		SB18-1.5'							-	-									
		SB18-3.0'							-	-									

Collected By: Cristobal Ramirez	Date: 9/19/14	Time:	Relinquished By:	Date:	Time:	TAT
Relinquished By:	Date:	Time:	Received For Laboratory: Janet Chin	Date: 9/22/14	Time: 9:20	<input type="checkbox"/> Normal
Received By:	Date:	Time:	Condition of Sample:			<input checked="" type="checkbox"/> Rush



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Telephone: (858)571-5500

Attn: Christobal Ramirez

Page: **2**

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62353	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

QC Batch No: 101414-1

Our Lab I.D.		322977			
Client Sample I.D.		SB17-3.0'			
Date Sampled		09/19/2014			
Date Prepared		10/14/2014			
Preparation Method					
Date Analyzed		10/15/2014			
Matrix		Soil			
Units		mg/Kg			
Dilution Factor		1			
Analytes	PQL	Results			
ICP Metals					
Arsenic	0.250	6.66			

QUALITY CONTROL REPORT

QC Batch No: 101414-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	96	105	8.6	80-120	<20				



Subsurface Assessment

Riverwalk Phase 3 Portions of Assessor's Parcel Numbers 437-240-26 and -28 Portion of 1150 Fashion Valley Road San Diego, California

Presented to:

RELATED CALIFORNIA
18201 Von Karman Avenue, Suite 900
Irvine, California 92612
(949) 660-7272

Presented by:

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123
(858) 571-5500

October 20, 2014
Project Number: 01214245.00

Offices Nationwide
www.scsengineers.com

October 20, 2014
Project Number: 01214245.00

Mr. Rick Westberg
Related California
18201 Von Karman Avenue, Suite 900
Irvine, California 92612

Subject: Subsurface Assessment

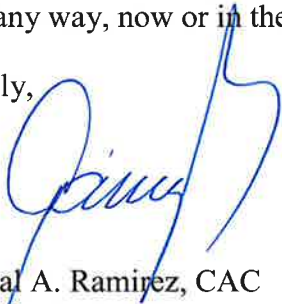
**Site: Riverwalk Phase 3
Portions of Assessor's Parcel Numbers (APNs) 437-240-26 and -28
Portion of 1150 Fashion Valley Road
San Diego, California**

Dear Mr. Westberg:

SCS Engineers (SCS) is pleased to present this report (Report) of the subsurface assessment activities (Assessment) of the above-described Site. This Report summarizes the results of the Assessment that was conducted in order to evaluate the current and former potential usage of pesticides at the Site, and to assess for the presence of constituents of concern in an active production water well used at the Site. The work described in this Report was performed by SCS in general accordance with the Environmental Services Agreement (Contract) and Amendment 1 to Environmental Services Agreement (Amendment) between SCS and Related California. The Contract is dated August 1, 2014, and the Amendment is dated September 9, 2014.

SCS enjoyed working with you on this project. Providing economical solutions to meet your needs is more than our goal, it is our mission and the measure of our success. If we may assist you in any way, now or in the future, please do not hesitate to call our office at (858) 571-5500.

Sincerely,



Cristobal A. Ramirez, CAC
Project Professional
SCS ENGINEERS



Luke Montague, MESM, PG 8071
Senior Project Professional
SCS ENGINEERS



Daniel E. Johnson
Vice President
SCS ENGINEERS

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- 2 Site Plan With Soil and Groundwater Sample Locations and Analytical Results

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- 2 Soil Sample Analytical Results - Arsenic
- 3 Groundwater Sample Analytical Results – TPH, VOCs, and OCPs

Appendix

- A Laboratory Analytical Reports and Chain of Custody Documentation

1 BACKGROUND

SCS Engineers (SCS) understands that the site is identified as portions of 1150 Fashion Valley Road, San Diego, California (Site), with portions of Assessor's Parcel Numbers (APNs) 437-240-26, and -28 (Site). The Site (identified by the Client as Phase 3) is developed primarily as a golf course, identified as Riverwalk Golf Club, and encompasses the southern portion of the golf course located south of the San Diego River. It was reported that the Client is proposing to purchase and develop the Site into various land uses including residential and mixed-use. The Client reported that Site soil grading is anticipated to balance, and no soil export is proposed at this time.

SCS recently prepared a draft report for the Site titled "Phase I Environmental Site Assessment," dated September 9, 2014 (Phase I ESA), which provided the following conclusions and recommendations in connection with the Site:

- Historical and current use of pesticides and herbicides at the Site. SCS recommends that subsurface assessment activities be conducted (e.g., soil sampling).
- Two water wells were observed at the southeast area of the Site. The possible environmental concerns with water wells are the direct access to groundwater they allow if they are improperly sealed or screened. Based on our experience, it is unlikely that any regulatory agency would require sampling based on the historical agricultural land use. However, because of the interpreted historical Site use for agriculture and the existence of two water wells with its ready access to groundwater, SCS believes it may be prudent to collect groundwater samples and analyze them for pesticides, volatile organic compounds (VOCs), and organochlorine pesticides (OCPs)

Based on conversations with the Client, we have developed a subsurface investigation scope of work to assess certain potential recognized environmental conditions at the Site (soil and groundwater samples in connection with potential historical use of organochlorine and metal-based pesticides and chlorinated herbicides at the golf course and former agricultural areas of the property, and to assess a groundwater production well since groundwater is discharged onto the Site that may contain constituents of concern [CoC] from the Site or Site vicinity). The objectives, scope of work, results and conclusions of the investigation are presented below.

2 OBJECTIVES

The objectives of the proposed scope of services were to:

- Assess the possible presence of organochlorine pesticides, chlorinated herbicides, and arsenic (for arsenical pesticides) in the shallow soil at the Site in connection with historical and current use of pesticides at the Site.
- Assess the possible presence and concentrations of petroleum products, VOCs, and organochlorine pesticides in the groundwater at a groundwater production well at the Site in connection with current and former operations involving the use of pesticides, and to

assess the well since groundwater is discharged onto the Site that may contain CoCs from the Site or Site vicinity.

3 SCOPE OF SERVICES

PREPARATION FOR FIELDWORK

Preparation of Health and Safety Plan

A health and safety plan for work conducted at the Site and workers within the “exclusion zone” is required pursuant to the regulations found in 29 Code of Federal Regulations Part 1910.120 and California Code of Regulations (CCR), Title 8, Section 5192. Therefore, a health and safety plan was prepared for the proposed work scope, which outlined the potential chemical and physical hazards that may be encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the anticipated Site-specific chemical and physical hazards were detailed in this plan. SCS personnel involved with the field work were required to read and sign this document in order to encourage proper health and safety practices.

Utility Search and Markout

SCS notified Underground Service Alert as required by state law, and Ticket Number A42580387 was issued. These procedures were designed to minimize the likelihood of drilling into a subsurface utility. In addition, a private utility locator, Accutech Services, was retained to clear boring locations. These procedures were designed to minimize the likelihood of drilling into a subsurface utility.

FIELD ACTIVITIES

Subsurface Investigation for Pesticides

On September 19, 2014, a total of 11 soil borings (SB27 through SB37) were advanced at the Site with the use of a truck-mounted, direct-push drilling rig to assess possible presence of organochlorine pesticides, chlorinated herbicides, and arsenic (for arsenical pesticides) in the shallow soil at the Site in connection with historical and current use of pesticides at the Site (Figure 2). Soil sampling was conducted in representative current golf course green areas and former agricultural areas in a semi-grid pattern. Soil samples were collected from each boring location at depths of approximately 0.5, 1.5, and 3.0 feet below ground surface (bgs).

Soil samples were collected from each boring with a direct-push sampler for analysis. Between sampling events, the sampler was decontaminated with a water-Alconox™ solution wash and two tap water rinses. Soil samples were driven into acetate sleeves. The ends of the acetate sleeves were covered with Teflon™ sheeting and tightly closed with end caps for handling and transportation activities. The sample containers were labeled and packed in ice-filled coolers

The soil samples were submitted to American Scientific Laboratories, a state-accredited environmental laboratory, and selected samples were analyzed for the following:

- Fifteen soil samples were analyzed for organochlorine pesticides (in general accordance with U.S. Environmental Protection Agency [EPA] Method 8081A)
- Seventeen soilsamples were analyzed for arsenic (in general accordance with EPA Method 6010B).

A summary of the laboratory results from the soil samples analyzed is presented in Tables 1 and 2.

Groundwater Sampling and Analysis

On September 19, 2014, one water sample was collected from one of the existing groundwater production wells at the Site. The sample was collected from a pipe that runs to the water pond located approximately 275 feet south of the water well. The water sample was collected in laboratory-provided containers, labeled, and packed in ice-filled cooler.

The groundwater sample was submitted to American Scientific Laboratories, a state-accredited environmental laboratory, and analyzed for the following:

- TPH (in general accordance with U.S. Environmental Protection Agency [EPA] Method 8015B);
- VOCs (in general accordance with EPA Method 8260B);
- Organochlorine pesticides (in general accordance with EPA Method 8081A).

A summary of the laboratory results from the soil samples analyzed is presented in Table 3.

4 FINDINGS

TOPOGRAPHY, GEOLOGY, HYDROGEOLOGY, AND WATER QUALITY SURVEY

Topography

A topographic map for the Site vicinity was reviewed and is summarized in the following table:

Reported Elevation	Approximately 20 to 30 feet above mean sea level
Reported Slope Direction	Slopes down to the southwest
Source	United States Geological Survey 7.5 Minute Topographic Map, La Jolla, California - San Diego County, 1967, photo-revised 1975

Geology

The geology of the Site as observed during sampling activities is summarized below along with the reported Site vicinity formation information derived from the below referenced source:

Reported and Observed Formation	1 to 5 feet thick of compacted fill, underlain by Quaternary Alluvium
Reported and Observed Description	Fill soils and Quaternary Alluvium were both observed and reported to generally consist of clayey, silty sand with varying amounts of gravel and cobbles.
Source	Geologic Map of the San Diego 30x60 Quadrangle, California, Kennedy, Michael P., and Tan, Siang S, United States Geological Survey, 2005

Hydrogeology

Based on a review of a DEH Closure Letter in connection to the removal of USTs in the Site vicinity, *Unauthorized Release Case #H05129-002, ARCO Facility 3052, 6899 Friars Road, San Diego, California*, dated April 15, 2010, the depth to groundwater at this facility was reported to range from 20 to 37 feet below grade, and the groundwater flow direction was reported to be southwest. The actual depth to groundwater and flow direction at the Site may be different.

Water Quality Survey

The following table summarizes the reported water quality in the Site vicinity:

Reported Hydrologic Subarea	Mission San Diego (907.11)
Reported Hydrologic Area	Lower San Diego (907.1)
Reported Hydrologic Unit	San Diego (907)
Reported Beneficial Use	Agricultural and Industrial, and potentially Municipal

Source	California RWQCB, San Diego Region, <i>Water Quality Control Plan for the San Diego Basin</i> , September 8, 1994, with amendments effective prior to April 25, 2007.
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LABORATORY ANALYTICAL RESULTS

Soil Samples

The reported analytical results for soil samples collected on September 19, 2014, are depicted on Figure 2 and tabulated on Tables 1, 2, and 3. The laboratory reports are included in Appendix A.

Pesticides

The analytical results for soil samples with reported concentrations of organochlorine pesticides and/or arsenic above the laboratory reporting limits are summarized below.

Sample Identifier	Depth (feet)	Organochlorine Pesticides (EPA Method 8081A) (µg/kg)							
		Gamma-Chlordane	Alpha-Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Heptachlor Epoxide	Chlordane
SB36-0.5	0.5	<2	<2	9.79	<4	11.6	<4	<2	<850
SB37-0.5	0.5	334	565	22.1	261	11.7	49.6	20.7	1,430
SB37-1.5	1.5	<2	<2	<4	<4	<4	<4	<2	<170
CHHSL¹ (µg/kg)		N/A	N/A	2,300	1,600	1,600	35	130	430
RSL² (µg/kg)		1,800	1,800	2,200	1,600	1,900	33	59	1,800

Notes:

Soil samples analyzed for organochlorine pesticides (OCPs) according to EPA Method 8081A

Depth in feet below ground surface (feet bgs)

OCPs reported in micrograms per kilogram (µg/kg)

<: concentration less than the indicated laboratory reporting limit

N/A: Not available

Sample Identifier	Depth (feet)	EPA Method 6010B
		Arsenic (mg/kg)
SB27-0.5	0.5	<0.25
SB27-1.5	1.5	<0.25
SB28-0.5	0.5	6.23
SB28-1.5	1.5	11.1

¹ California Human Health Screening Levels (CHHSL): California Environmental Protection Agency screening concentrations of 54 hazardous chemicals, established to be protective for humans (lifetime cancer risk of 10⁻⁶ and a noncancer hazard quotient of 1.0) under standard exposure scenarios. Dated January 2005 for OCPs, and revised level for lead in September 2009.

² Regional Screening Level (RSL): Environmental Protection Agency (EPA) risk-based concentrations derived from standardized equations combining exposure information assumptions with toxicity data, dated May 2014. RSLs are considered by the EPA to be protective for humans (including sensitive groups) over a lifetime.

Sample Identifier	Depth (feet)	EPA Method 6010B
		Arsenic (mg/kg)
SB28-3.0	3.0	0.922
SB29-0.5	0.5	0.618
SB30-05	0.5	0.458
SB31-0.5	0.5	<0.25
SB32-0.5	0.5	1.50
SB33-0.5	0.5	<0.25
SB34-0.5	0.5	0.509
SB35-0.5	0.5	0.449
SB36-0.5	0.5	0.645
SB37-0.5	0.5	2.54
Residential CHHSL (mg/kg)		0.07
Residential RSL (mg/kg)		0.67
DTSC Background Level (mg/kg)		12

Notes:

Soil samples analyzed for arsenic according to EPA Method 6010B
 Depth in feet below ground surface (feet bgs)
 Arsenic reported in milligrams per kilogram (mg/kg)
 ND: Not detected above the indicated laboratory reporting limit
 Bold numbers indicate samples detected above the DTSC Background Level

Groundwater Sample

The analytical result for the groundwater sample is summarized below.

Sample Identifier	Cis-1,2-Dichloroethene (µg/L)	Other VOCs (µg/L)	Organochlorine Pesticides (µg/L)	Total Petroleum Hydrocarbons (TPH) (µg/L)		
				TPH-Diesel (mg/L)	TPH-Oil (mg/L)	TPH-Gasoline (µg/L)
GW1	1.22	ND	ND	<0.5	<0.5	<50

Notes:

Groundwater sample collected by SCS Engineers on September 19, 2014 and analyzed for TPH, VOCs, and OCPs by EPA Methods 8015B, 8260B, and 8081A respectively
 EPA: U.S. Environmental Protection Agency
 Mg/L: milligrams per liter
 µg/L: micrograms per liter
 Maximum Contaminant Level (MCL) for Cis-1,2-Dichloroethene is 5 µg/L
 ND: Not detected above the respective laboratory reporting limit

5 DISCUSSION

GROUNDWATER

No detectable concentrations of TPH or organochlorine pesticides were reported in the sample analyzed. With the possible exception of cis-1,2 dichloroethene (1,2-DCE) with reported concentration of 1.22 µg/L, no other VOCs were reported in the sample analyzed. The Maximum Contaminant Level (MCL) for 1,2-DCE is 5 µg/L. 1,2-DCE is a chlorinated solvent used for degreasing and cleaning and is a breakdown product of other solvents. While the reported concentration is low and less than the MCL, the source of 1,2-DCE is not known. In addition, the details of the well construction are not known (e.g., seal length, well screen, production rates), so it is not clear whether this sample is representative of Site conditions. Additional research of the production well is recommended to better understand what the data are representative of. Once this research is completed, additional groundwater sampling may be appropriate.

SOIL - PESTICIDES

Risk-Based Screening Criteria

A guidance document regarding the use of CHHSLs (*Use of California Human Health Screening Levels [CHHSLs] in Evaluation of Contaminated Properties*) has been developed by the California Environmental Protection Agency. The CHHSLs can be used to screen sites for potential human health concerns where releases of hazardous chemicals to soils have occurred. Under most circumstances, and within the limitations described in this document, the presence of a chemical in soil, soil gas, or indoor air at concentrations below the corresponding CHHSLs can be assumed to not pose a significant health risk to people who may live (residential CHHSLs) at the Site. The presence of a chemical at concentrations in excess of a CHHSL does not indicate that adverse impacts to human health are occurring or will occur but suggests that further evaluation of potential human health concerns is warranted.

An additional guidance document titled *Regional Screening Levels (RSL) Summary Table* (May 2014), has been developed by the EPA to “provide default screening tables and a calculator to assist Remedial Project Managers (RPMs), On Scene Coordinators (OSCs), risk assessors, and others involved in decision making concerning CERCLA hazardous waste sites and to determine whether levels of contamination found at the site may warrant further investigation or site cleanup, or whether no further investigation or action may be required.” According to this document, “It should be emphasized that screening levels (SLs) are not cleanup standards . . . Site-specific information may warrant modifying the default parameters in the equations and calculating site-specific SLs, which may differ from the values in these tables.”

For the purposes of this Assessment, the CoCs were conservatively compared to their respective residential CHHSL or RSL, whichever was lower, and are further discussed below.

Organochlorine Pesticides

Chlordane

Chlordane was detected above the laboratory reporting limit in 1 of the 15 samples analyzed for OCPs with a concentration of 565 micrograms per kilogram ($\mu\text{g}/\text{kg}$) in soil sample SB37-0.5, which is above the CHHSL of 430 $\mu\text{g}/\text{kg}$. This chlordane CHHSL exceedance was limited to the shallow (0.5 bgs) at the west area of the Site, and a soil sample collected in this same location at 1.5 feet bgs (SB37-1.5) was not detected with chlordane above the laboratory reporting limits. However, step-out sampling would be necessary to further delineate the horizontal extent of the contamination in this area.

Dieldrin

Dieldrin was detected above the laboratory reporting limit in 1 of the 15 samples analyzed for OCPs with a concentration of 49.6 $\mu\text{g}/\text{kg}$ in soil sample SB37-1.5, which is above the RSL of 33 $\mu\text{g}/\text{kg}$ and the CHHSL of 35 $\mu\text{g}/\text{kg}$. The dieldrin RSL and CHHSL exceedance was limited to the shallow soil (0.5 bgs) at the west area of the Site, and a soil sample collected in this same location at 1.5 feet bgs (SB37-1.5) was not detected with chlordane above the laboratory reporting limits. However, step-out sampling would be necessary to further delineate the horizontal extent of the contamination in this area.

4,4'-DDD

DDD was detected above the laboratory reporting limit in 2 of the 15 samples analyzed for OCPs with a maximum reported concentration of 22.1 $\mu\text{g}/\text{kg}$ (sample SB37-0.5). No sample concentrations were above the RSL of 2,200 $\mu\text{g}/\text{kg}$ or the CHHSL of 2,300 $\mu\text{g}/\text{kg}$.

4,4'-DDE

DDE was detected above the laboratory reporting limit in 1 of the 15 samples analyzed for OCPs with a concentration of 261 $\mu\text{g}/\text{kg}$ (sample SB37-0.5). No sample concentrations were above the RSL of 1,600 $\mu\text{g}/\text{kg}$ or the CHHSL of 1,600 $\mu\text{g}/\text{kg}$.

4,4'-DDT

DDT was detected above the laboratory reporting limit in 2 of the 15 samples analyzed for OCPs with a maximum reported concentration of 11.7 $\mu\text{g}/\text{kg}$ (sample SB37-0.5). No sample concentrations were above the RSL of 1,900 $\mu\text{g}/\text{kg}$ or the CHHSL of 1,600 $\mu\text{g}/\text{kg}$.

Arsenic

The results of the arsenic analysis of the shallow soil samples indicate that concentrations of arsenic exceed the CHHSL and RSL in every sample.

While arsenic concentrations exceed the CHHSL and RSL, arsenic is commonly present in California soils in concentrations that exceed risk criteria under naturally occurring conditions. The residential CHHSL for arsenic is 0.07 milligrams per kilogram (mg/kg) and the residential RSL of 0.67 mg/kg ; however, arsenic is known to naturally occur in soil, particularly western United States soils, in concentrations well above the CHHSL. Based on a report prepared by the

USGS³, the background concentrations of arsenic in the western United States range from 2.8 to 10.9 mg/kg. In another report prepared specifically for California soils⁴, the background concentrations of arsenic in California soil range from 0.6 to 11.0 mg/kg. In an abstract presented by DTSC staff at the 2008 Society of Toxicology Annual Meeting⁵, it was reported that the upper-bound background concentration for arsenic in southern California soil is 12 mg/kg.

Given that the highest reported arsenic concentration is 11.1 mg/kg, the arsenic concentrations in shallow soil at the Site are within background concentrations and do not appear to be indicative of a release of arsenic.

WASTE-BASED CRITERIA

It has been SCS' experience that in order for soil to be classified as a regulated or hazardous waste, the soil would need first be considered a waste (e.g., to be excavated and transported off-Site). It is SCS' understanding that the Client does not intend to export soil during redevelopment activities; therefore, waste criteria are not applicable and an evaluation of waste based cleanup criteria was not performed. Should the Client choose to export soil at some later point, additional laboratory analysis would be required for the following waste characterizations.

Hazardous Waste Characterization

For typical dry samples, the total concentration of a CoC in soil (mg/kg) is compared with the Total Threshold Limit Concentration (TTLC) for that CoC. If the concentration exceeds the TTLC, the soil would be characterized as a California-Hazardous waste. The TTLC addresses potential adverse human health concerns from direct exposure to a CoC in waste.

Additionally, to address potential leaching of CoC bearing waste intended for landfill disposal, CoC concentrations are compared to the Soluble Threshold Limit Concentration (STLC). If the total CoC concentration (i.e., OCP or total arsenic concentration) in soil exceeds the STLC by 10 times, the Waste Extraction Test (WET) is performed to create a liquid extract that is analyzed for the CoC. If the concentration of the CoC from the WET exceeds the respective STLC, the soil would be characterized as a California-Hazardous waste.

For federal regulations, if the total concentration of a CoC in the soil equals or exceeds the Maximum Concentration of Contaminants for the Toxicity Characteristic (MCCTC) value by 20 times, a liquid extract of the soil sample is generated by the Toxicity Characteristic Leaching Procedure (TCLP) and the extract is then analyzed for the CoC. The MCCTC/TCLP determination is similar to the STLC/WET, but with a factor of 20. If the result of the analysis of

³ *Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States*, by J. G. Boerngen and H. T. Shacklette, USGS Professional Paper No. 1270, 1984.

⁴ *Background Concentrations of Trace and Major Elements in California Soils*, by G. R. Bradford, et al., Kearny Foundation of Soil Science Division of Agriculture and Natural Resources University of California, March 1996.

⁵ *Determination of a Southern California Regional Background Arsenic Concentration in Soil*, Chernoff, G., Bosan, W., Oudiz, D., and California Department of Toxic Substances Control, 2008 Society of Toxicology Annual Meeting.

the TCLP extract exceeds the MCCTC, then the soil would be characterized as a Resource Conservation and Recovery Act (RCRA)-Hazardous waste.

Regulated Waste Characterization

The San Diego Regional Water Quality Control Board (RWQCB) has set CoC concentration levels for waste that is below hazardous waste concentrations but above typical background concentrations. Soil that contains CoCs that exceed the RWQCB Tier1 soil screening levels (SSLs) are considered a regulated waste and cannot be transported to an unregulated site as would be done for clean soil. Additional soil sampling and analysis would be required to better delineate the horizontal and lateral limits of soil containing arsenic at concentrations exceeding the RWQCB Tier1 SSL of 3.5 mg/kg and soil with OCPs reported at any concentration, as this soil would be characterized as a regulated waste and would require special handling and disposal at an appropriately permitted facility if transported off-site.

6 CONCLUSIONS

Based on the data obtained and reviewed as part of this Assessment, laboratory results, and current regulatory guidelines, and SCS' experience and professional judgment, SCS concludes:

- No detectable concentrations of TPH or organochlorine pesticides were reported in the groundwater sample collected from the on-Site groundwater production well. With the possible exception of cis-1,2 dichloroethene (1,2-DCE), no other VOCs were reported in the groundwater sample analyzed from the production well.
- Chlordane, dieldrin, DDD, DDE, and DDT were detected above their laboratory reporting limit in 1(for chlordane), 1 (for dieldrin), 2 (for DDD), 1 (for DDE), 2 (for DDT) out of the 15 samples analyzed for OCPs; With the exception of one sample, samples were not above their respective RSLs or CHHSLs. One sample (SB37 -0.5) collected from the western portion of the Site was reported to exceed the CHHSL and RSLs for chlordane and dieldrin, respectively. A soil sample collected in this same location at 1.5 feet bgs (SB37-1.5) was not detected with chlordane or dieldrin above the laboratory reporting limits. Step-out sampling would be necessary to further delineate the horizontal extent of the contamination in this area.
- Arsenic concentrations at the Site exceed the residential CHHSL and RSL. However, arsenic is commonly present in California soils in concentrations that exceed risk criteria under naturally occurring conditions, and the arsenic concentrations in shallow soil at the Site are within naturally occurring background concentrations and do not appear to be indicative of a release of arsenic.

7 RECOMMENDATIONS

Based on the data obtained and reviewed as part of this Assessment, laboratory results, current regulatory guidelines, and the conclusions presented above, SCS recommends the following:

- 1,2-DCE with concentration of 1.22 µg/L was reported in the groundwater sample. 1,2-DCE is a chlorinated solvent used for degreasing and cleaning and a is breakdown product of other solvents. While the reported concentration is low and is less than the MCL, the source of 1,2-DCE is not known. In addition, the details of the well construction are not known (e.g., seal length, well screen, production rates), so it is not clear whether this sample is representative of Site conditions. Additional research of the production well is recommended to better understand what the data are representative of. Once this research is completed, additional groundwater sampling may be appropriate.
- Prior to Site development but subsequent to the completion of Site end use and grading plans, perform additional shallow sampling for arsenic and organochlorine pesticides across the former agricultural and golf courses areas of the Site to increase sample density for adequate Site characterization.
- If soil is ultimately exported from the Site, additional soil sampling and analysis would be required to better delineate the horizontal and lateral limits of soil containing detectable concentrations of organochlorine pesticides and arsenic at concentrations exceeding the San Diego Regional Water Quality Control Board (RWQCB) Tier1 SSL of 3.5 mg/kg that would be considered a regulated waste; and additional screening and laboratory analysis would be required to assess whether soil would be characterized as a California Hazardous Waste or Resource Conservation and Recovery Act (RCRA)-Hazardous waste. Any soil exported from the Site must be properly managed and transported to an appropriately permitted facility if it is characterized as a regulated or hazardous waste.
- Development of a Site-specific soil management plan to account for Site development activities and integrate environmental issues into the Site development process.

8 REPORT USAGE AND FUTURE SITE CONDITIONS

This Report is intended for the sole usage of the Client and the Client's authorized representatives. Use of this Report is subject to the provisions of the fully executed Consulting Agreement (Contract) between the Client and SCS. Any third-party usage of this Report shall be subject to the provisions of the Contract, and any unauthorized misuse of or reliance upon the Report shall be without risk or liability to SCS.

The conclusions of this Report are judged to have been relevant at the time the work described in this Report was conducted. Future conditions may differ and this Report should not be relied on to represent future Site conditions unless a qualified consultant familiar with the practice of Phase II Environmental Site Assessments in San Diego County is consulted to assess the necessity of updating this Report.

Although this Assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons which include but are not limited to 1) SCS's reliance on inadequate or inaccurate information rightfully provided to it by third parties, such as public agencies and other outside

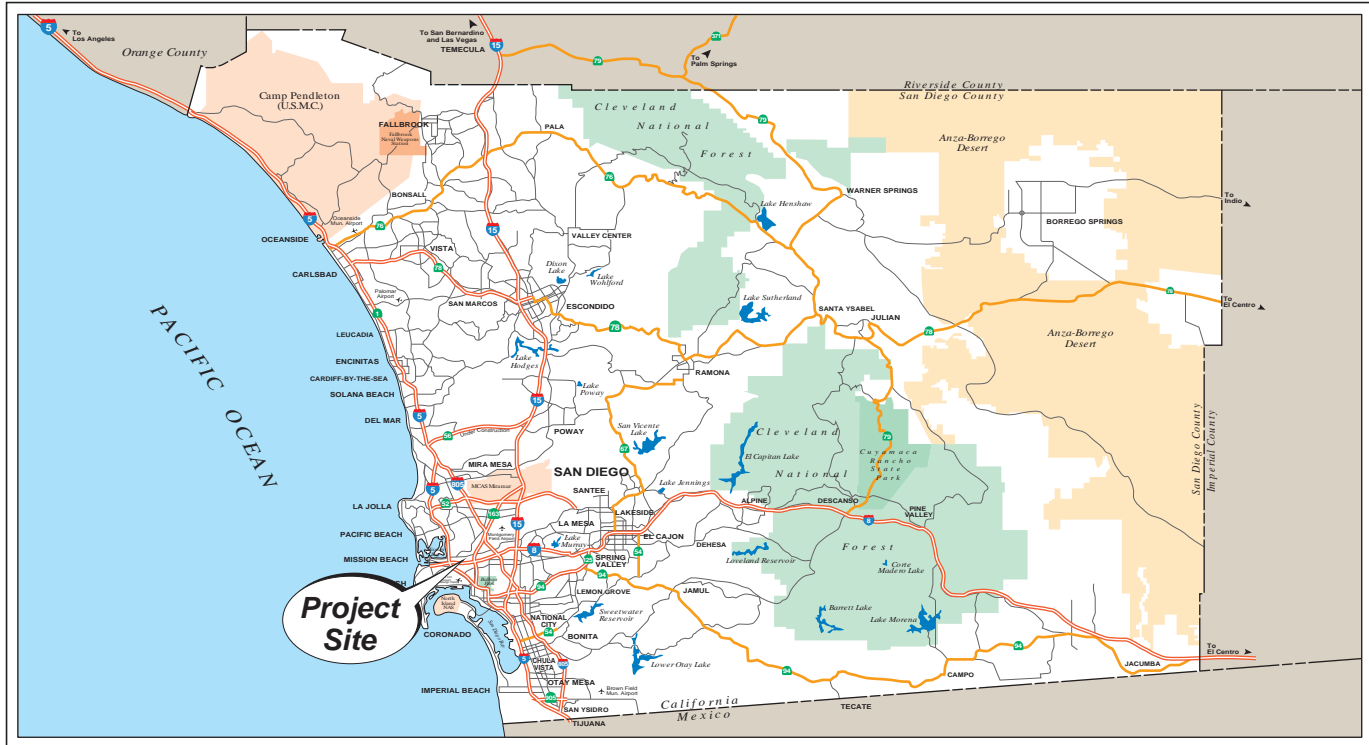
sources; 2) the limited scope of this Assessment; and 3) the presence of undetected, unknown, or unreported environmental releases.

9 LIKELIHOOD STATEMENTS

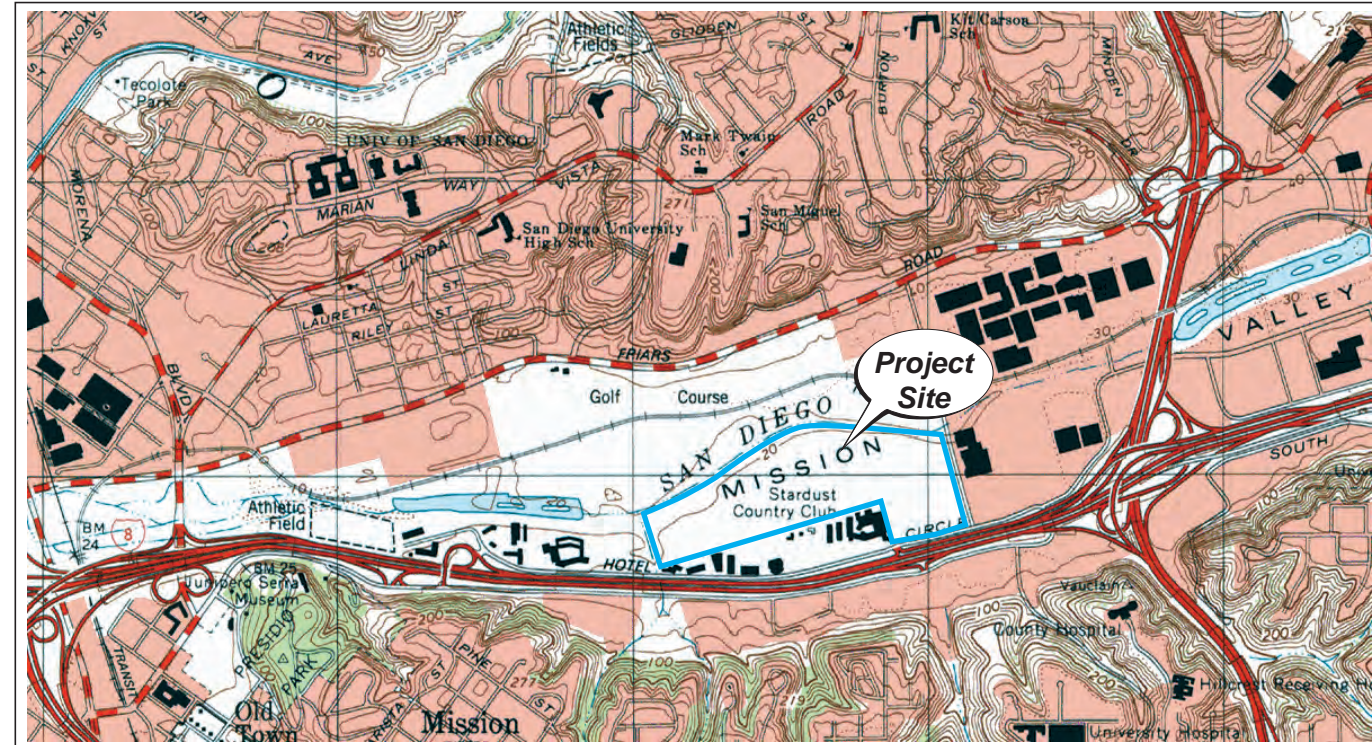
Statements of “likelihood” may have been made in this report. Likelihood statements are based on professional judgments of SCS. The term “likelihood,” as used herein, pertains to the probability of a match between the prediction for an event and its actual occurrence. The likelihood statement assigns a measure for a “degree of belief” for the match between the prediction for the event and the actual occurrence of the event.

The likelihood statements in this Report are made qualitatively (expressed in words). The qualitative terms can be approximately related to quantitative percentages. The term “low likelihood” is used by SCS to approximate a percentage range of 10 to 20 percent; the term “moderate likelihood” refers to an approximate percentage range of 40 to 60 percent; and the term “high likelihood” refers to an approximate percentage range of 80 to 90 percent.

FIGURES



REGIONAL SITE LOCATION



2-DIMENSIONAL SITE LOCATION

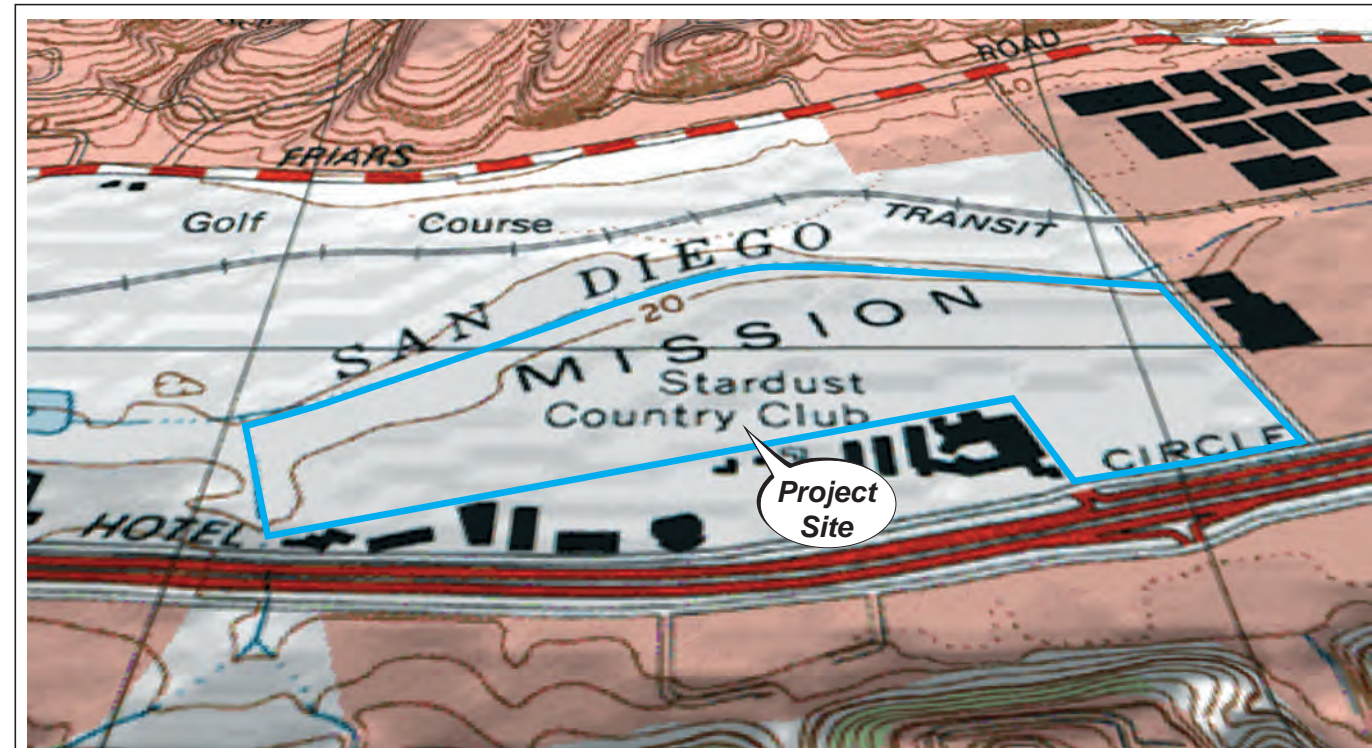
Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
La Jolla, California - 1996

0 1,000 2,000 3,000
Approximate Graphic Scale in Feet



SITE AERIAL PHOTOGRAPH

Reference:
Google Earth Aerial Photograph
San Diego, California - November 2013



3-DIMENSIONAL SITE LOCATION

Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
La Jolla, California - 1996

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS

Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

**FOUR-WAY SITE LOCATION MAP
(PHASE 3)
Related California**
Portions of 1150 Fashion Valley Road
San Diego, California

Project No.:
01214245.00

Figure 1

Date Drafted:
10/8/14



Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

North
Not to Scale

EXPLANATION

- Approximate Site boundary
- Approximate soil sample location

SB37		
Depth	0.5'	1.5'
Arsenic	2.54	NA
GC	334	NA
AC	565	ND
4,4-DDD	22.1	ND
4,4-DDE	261	ND
4,4-DDT	11.7	ND
Dieldrin	49.6	ND
HE	20.7	ND
Chlordane	1,430	ND
Other OCPs	ND	ND

Soil samples, with depth in feet below grade, analyzed for arsenic by EPA Method 6010B with results reported in milligrams per kilogram (mg/kg); organochlorine pesticides (OCP) by EPA Method 8081A with results reported in micrograms per kilogram (µg/kg). ND indicates concentration not detected above laboratory reporting limits.

GC = gamma chlordane
 AC = alpha chlordane
 4,4'-DDD = 4,4-dichlorodiphenyldichloroethane
 4,4'-DDE = 4,4-dichlorodiphenyldichloroethylene
 4,4'-DDT = 4,4-dichlorodiphenyltrichloroethane
 HE = heptachlor epoxide

GW1	
TPHg	ND
TPHd	ND
TPHo	ND
cis-1,2	1.22
Other VOCs	ND
OCPs	ND

Groundwater sample analyzed for TPHg, TPHd, TPHo, respectively, by EPA Method 8015B; VOCs by EPA Method 8260B; and OCP by EPA Method 8081A. All results reported in micrograms per liter (µg/L). ND indicates concentration not detected above laboratory reporting limits.

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SITE PLAN WITH SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS (PHASE 3)
 Related California
 Portions of 1150 Fashion Valley Road
 San Diego, California

Project No.:
01214245.00

Figure 2

Date Drafted:
10/8/14

TABLES

TABLE 1
SOIL SAMPLES ANALYTICAL RESULTS - ORGANOCHLORINE PESTICIDES

Portions of 1150 Fashion Valley Road, San Diego, CA

Sample Identifier	Depth (feet)	Organochlorine Pesticides (EPA Method 8081A) (µg/kg)					
		Gamma-Chlordane	Alpha-Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin
SB27-0.5	0.5	<2	<2	<4	<4	<4	<4
SB27-1.5	1.5	<2	<2	<4	<4	<4	<4
SB28-0.5	0.5	<2	<2	<4	<4	<4	<4
SB28-1.5	1.5	<2	<2	<4	<4	<4	<4
SB29-0.5	0.5	<2	<2	<4	<4	<4	<4
SB30-05	0.5	<2	<2	<4	<4	<4	<4
SB31-0.5	0.5	<2	<2	<4	<4	<4	<4
SB32-0.5	0.5	<2	<2	<4	<4	<4	<4
SB33-0.5	0.5	<2	<2	<4	<4	<4	<4
SB34-0.5	0.5	<2	<2	<4	<4	<4	<4
SB35-0.5	0.5	<2	<2	<4	<4	<4	<4
SB36-0.5	0.5	<2	<2	9.79	ND	11.6	<4
SB36-1.5	1.5	<2	<2	<4	ND	<4	<4
SB37-0.5*	0.5	334	565	22.1	261	11.7	49.6
SB37-1.5	1.5	<2	<2	<4	<4	<4	<4
Residential CHHSLs (µg/kg)		430	430	2,300	1,600	1,600	30
Residential RSL (µg/kg)		1,800	1,800	2,200	1,600	1,900	33

Notes:

EPA: U.S. Environmental Protection Agency

µg/kg: micrograms per kilogram

Soil samples collected by SCS Engineers on September 18, 2014 and analyzed for OCPs by EPA Method 8081A

ND: Not detected above the respective laboratory reporting limit

NA: Not applicable

Bold text indicates reported concentrations above the laboratory reporting limits

CHHSL: California Human Health Screening Level for residential use dated 2009

RSL: Regional Screening Levels dated May 2014

<: Less than the specified laboratory reported limit

TABLE 2
SOIL SAMPLES ANALYTICAL RESULTS – ARSENIC

Portions of 1150 Fashion Valley Road, San Diego, CA

Sample Identifier	Depth (feet)	EPA Method 6010B
		Arsenic (mg/kg)
SB27-0.5	0.5	<0.25
SB27-1.5	1.5	<0.25
SB28-0.5	0.5	6.23
SB28-1.5	1.5	11.1
SB28-3.0	3.0	0.922
SB29-0.5	0.5	0.618
SB30-05	0.5	0.458
SB31-0.5	0.5	<0.25
SB32-0.5	0.5	1.50
SB33-0.5	0.5	<0.25
SB34-0.5	0.5	0.509
SB35-0.5	0.5	0.449
SB36-0.5	0.5	0.645
SB37-0.5	0.5	2.54
Residential CHHSL (mg/kg)		0.07
Residential RSL (mg/kg)		0.67
DTSC Background Level (mg/kg)		12

Note:

Soil samples collected by SCS Engineers on September 18, 2014 and analyzed for arsenic EPA Methods 6010B

EPA: U.S. Environmental Protection Agency

mg/kg: milligrams per kilogram

<: Less than the specified reporting limit

CHHSL: California Human Health Screening Level for residential use for arsenic, dated 2009

TABLE 3

GROUNDWATER SAMPLE ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS , VOLATILE ORGANIC COMPOUNDS, AND ORGANOCHLORINE PESTICIDES FOR WATER WELL

Portions of 1150 Fashion Valley Road, San Diego, CA

Sample Identifier	Cis-1,2-Dichloroethene (µg/L)	Other VOCs (µg/L)	Organochlorine Pesticides (µg/L)	Total Petroleum Hydrocarbons (TPH) (µg/L)		
				TPH-Diesel (mg/L)	TPH-Oil (mg/L)	TPH-Gasoline (µg/L)
GW1	1.22	ND	ND	<0.5	<0.5	<50

Notes:

Groundwater sample collected by SCS Engineers on September 19, 2014 and analyzed for TPH, VOCs, and OCPs by EPA Methods 8015B, 8260B, and 8081A, respectively

EPA: U.S. Environmental Protection Agency

Mg/L: milligrams per liter

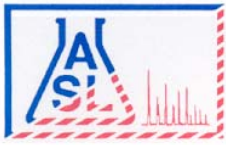
µg/L: micrograms per liter

Maximum Contaminant Level (MCL) for Cis-1,2-Dichloroethene is 5 µg/L

ND: Not detected above the respective laboratory reporting limit

APPENDIX

ANALYTICAL DATA
AND CHAIN-OF-CUSTODY DOCUMENTATION



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Number of Pages 33
Date Received 09/19/2014
Date Reported 09/24/2014

Telephone (858) 571-5500
Attn Luke Montague

Job Number	Ordered	Client
62115	09/19/2014	SCS

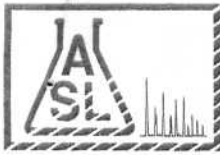
Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club
Site: 1150 Fashion Valley Road
San Diego, CA

Enclosed are the results of analyses on 30 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



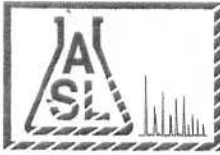
AMERICAN SCIENTIFIC LABORATORIES, LLC
 Environmental Testing Services
 2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 68503** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62115

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED	
Address: <u>8799 Balboa Ave</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>Same</u>	
# <u>290, San Diego, CA</u>		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>	
Telephone: <u>(858) 401-2350</u>		San Diego, CA		Address: <u>Same</u>	
Special Instruction: <u>24 hrs TAT</u>		Project ID: <u>01214245.00T3</u>		TPH 8015B VOCs 8260B	
E-mail: <u>l.montague@scsengineers.com</u> <u>cramirez@scsengineers.com</u>		Manager: <u>LM</u>			

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation										Remarks
	Lab ID	Sample ID	Date	Time	#	Type													
1	321755	B1-5'	9/18/14			Acetate sleeve	Soil	4°C	✓	✓									
		B1-10'							-	-									
2	321756	B1-15							✓	✓									
3	321757	B1-19.5							✓	✓									
4	321758	B2-5.0							✓	✓									
		B2-10							-	-									
5	321759	B2-15							✓	✓									
		B2-20							-	-									
6	321760	B2-25							✓	✓									
		B2-30							-	-									

Collected By: <u>Cristobal Ramirez</u>	Date <u>9/18/14</u>	Time	Relinquished By:	Date	Time	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush <u>24 hr</u>
Relinquished By:	Date	Time	Received For Laboratory <u>Janet Chen</u>	Date <u>9/19/14</u>	Time <u>11:20</u>	
Received By:	Date	Time	Condition of Sample:			



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 68503** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62115

Company: <u>SCS Engineers</u>	Report To: <u>SCS Engineers</u>	ANALYSIS REQUESTED	
Address: <u>8799 Balboa Ave</u>	Project Name: <u>Riverwalk Golf Club</u>	Address: <u>Same</u>	
<u>#290, San Diego, CA</u>	Site Address: <u>1150 Fashion Valley Rd</u>	Invoice To: <u>SCS Engineers</u>	
Telephone: <u>(858) 401-2350</u>	<u>San Diego, CA</u>	Address: <u>Same</u>	
Special Instruction: <u>TAT</u>	Project ID: <u>01214245.0073</u>		
E-mail: <u>lmontague@scsengineers.com</u> <u>cramirez@scsengineers.com</u>	Project Manager: <u>LM</u>	P.O.#:	

TPH 8015 B
VOCs 8260 B
Arsenic 6010 B
OP 8081 A
CH 8151

ITEM	LAB USE ONLY	SAMPLE DESCRIPTION			Container(s)		Matrix	Preservation						Remarks
	Lab ID	Sample ID	Date	Time	#	Type								
7	321761	B3-5'	9/18/14			Acetate sleeve	soil	4°C	✓	✓	-	-	-	
8	321762	B3-10							✓	✓	-	-	-	
9	321763	B3-15							✓	✓	-	-	-	
10	321764	B4-5							✓	✓	-	-	-	
11	321765	B4-10							✓	✓	-	-	-	
12	321766	B4-15							✓	✓	-	-	-	
		B4-19							-	-	-	-	-	
13	321767	SBI-0.5'							-	-	✓	✓	✓	
		SBI-1.5'							-	-	-	-	-	
		SBI-3.0'							-	-	-	-	-	

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/18/14</u>	Time:	Relinquished By:	Date:	Time:	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date:	Time:	Received For Laboratory: <u>Janet Chun</u>	Date: <u>9/19/14</u>	Time: <u>11:20</u>	
Received By:	Date:	Time:	Condition of Sample:			



AMERICAN SCIENTIFIC LABORATORIES, LLC
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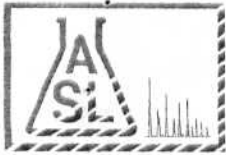
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 68503** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62115

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED			
Address: <u>8799 Balboa Ave</u>		Project Name: <u>Palmerwalk Golf Club</u>		Address: <u>Same</u>			
# <u>290, San Diego, CA</u>		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>			
Telephone: <u>(858) 401-2350</u>		San Diego, CA		Address: <u>Same</u>			
Special Instruction: <u>TAT</u>		Project ID: <u>01214245.0073</u>		<u>Asenic 6010B</u> <u>OP 8081A</u> <u>CH 8151</u>			
E-mail: <u>lmonaque@scsengineers.com</u> <u>cr Ramirez@scsengineers.com</u>		Project Manager: <u>LM</u>					

ITEM	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation								Remarks
	Lab ID	Sample ID	Date	Time	#	Type											
14	321768	SB2-0.5'	9/18/14			Acetate Sleeve	Soil	4°C	✓	✓	-						
15	321769	SB2-1.5'							✓	✓	-						
		SB2-3.0							-	-	-						
16	321770	SB3-0.5							✓	✓	-						
		SB3-1.5'							-	-	-						
17	321771	SB3-3.0'							✓	✓	-						
18	321772	SB4-0.5							✓	✓	-						
		SB4-1.5							-	-	-						
		SB4-3.0'							-	-	-						
19	321773	SB5-0.5							✓	✓	-						

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/18/14</u> Time	Relinquished By:	Date: _____ Time	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date: _____ Time	Received For Laboratory: <u>Jaret Chen</u>	Date: <u>9/19/14</u> Time: <u>11:20</u>	
Received By:	Date: _____ Time	Condition of Sample:		



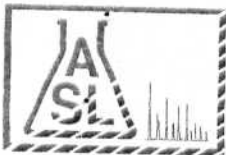
AMERICAN SCIENTIFIC LABORATORIES, LLC
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COC# N^o 50689 GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62115

Company: <u>SCS Engineers</u>	Report To: <u>SCS</u>	ANALYSIS REQUESTED		
Address: <u>8799 Balboa Ave</u>	Project Name: <u>Riverwalk Golf Club</u>	Address: <u>Same</u>	<u>Asenic 6010B</u> <u>OP 8081A</u> <u>CH 8151</u>	
Telephone:	Site Address:	Invoice To: <u>SCS</u>		
Fax:		Address: <u>Same</u>		
Special Instruction: <u>24 HRS TAT</u>	Project ID: <u>01214245.00 T3</u>			
E-mail:	Project Manager:	P.O.#:		

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION			Container(s)		Matrix	Preservation				Remarks
	Lab ID	Sample ID	Date	Time	#	Type						
20	321774	SB5-1.5'	9/18/14			Acetate sleeve	Soil	4°C	✓	✓	-	
		SB5-3.0'							-	-	-	
21	321775	SB6-0.5'							✓	✓	✓	
		SB6-1.5'							-	-	-	
		SB6-3.0'							-	-	-	
22	321776	SB7-0.5'							✓	✓	✓	
		SB7-1.5'							-	-	-	
		SB7-3.0'							-	-	-	
23	321777	SB8-0.5'							✓	✓	-	
		SB8-1.5'							-	-	-	

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/18/14</u> Time:	Relinquished By:	Date:	Time:	<input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date:	Received For Laboratory: <u>Janet Chin</u>	Date: <u>9/19/14</u>	Time: <u>11:20</u>	
Received By:	Date:	Condition of Sample:			



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COC# N^o 50689 GLOBAL ID _____

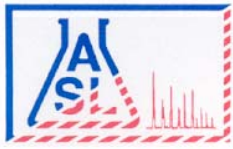
E REPORT: PDF EDF EDD ASL JOB# 62115

Company: SCS Engineers		Report To: SCS		ANALYSIS REQUESTED			
Address: _____		Project Name: Riverwalk Golf Club		Address: Same			
Telephone: _____		Site Address: _____		Invoice To: SCS			
Fax: _____		Project ID: 01214245.00 T3		Address: Same			
Special Instructions: 24 HRS TAT		Project Manager: _____		P.O.#: _____			
E-mail: _____							

ITEM	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	As	OP	CH	Remarks
	Lab ID	Sample ID	Date	Time	#	Type							
		SB8-3.0'	9/18/14			Acetate sleeve	Soil	4°C	-	-	-		
24	321778	SB9-0.5'							✓	✓	✓		
25	321779	SB9-1.5'							✓	✓	-		
		SB9-3.0'							-	-	-		
26	321780	SB10-0.5'							✓	✓	-		
27	321781	SB11-0.5'							✓	✓	-		
		SB11-1.5'							-	-	-		
28	321782	SB11-3.0'							✓	✓	-		
29	321783	SB12-0.5'							✓	✓	-		
		SB12 1.5'							-	-	-		

Collected By: Cristobal Ramirez	Date: 9/18/14	Time: _____	Relinquished By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received For Laboratory: Janet Chun	Date: 9/19/14	Time: 11:20
Received By: _____	Date: _____	Time: _____	Condition of Sample: _____	<input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush	

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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 2

Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

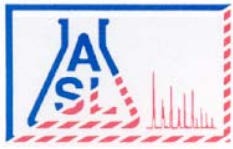
QC Batch No: 091914-3

Our Lab I.D.		321767	321768	321769	321770	321771
Client Sample I.D.		SB1-0.5'	SB2-0.5'	SB2-1.5'	SB3-0.5'	SB3-3.0'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	9.79	5.12	7.37	3.50	6.36

QUALITY CONTROL REPORT

QC Batch No: 091914-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	97	97	<1	80-120	<20				



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ANALYTICAL RESULTS

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1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 3

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

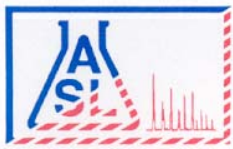
QC Batch No: 091914-3

Our Lab I.D.		321772	321773	321774	321775	321776
Client Sample I.D.		SB4-0.5'	SB5-0.5'	SB5-1.5'	SB6-0.5'	SB7-0.5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	3.48	1.55	0.918	5.70	1.43

QUALITY CONTROL REPORT

QC Batch No: 091914-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	97	97	<1	80-120	<20				



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ANALYTICAL RESULTS

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Attn: Luke Montague

Page: **4**

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

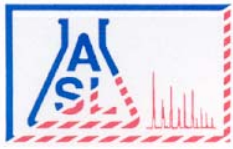
QC Batch No: 091914-3

Our Lab I.D.		321777	321778	321779	321780	321781
Client Sample I.D.		SB8-0.5'	SB9-0.5'	SB9-1.5'	SB10-0.5'	SB11-0.5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	10.5	11.3	14.4	3.19	2.39

QUALITY CONTROL REPORT

QC Batch No: 091914-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	97	97	<1	80-120	<20				



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ANALYTICAL RESULTS

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Page: 5

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

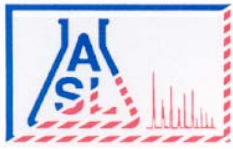
QC Batch No: 091914-3

Our Lab I.D.		321782	321783	321784		
Client Sample I.D.		SB11-3.0'	SB12-0.5'	SB12-3.0'		
Date Sampled		09/18/2014	09/18/2014	09/18/2014		
Date Prepared		09/19/2014	09/19/2014	09/19/2014		
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
ICP Metals						
Arsenic	0.250	3.63	4.14	8.39		

QUALITY CONTROL REPORT

QC Batch No: 091914-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	97	97	<1	80-120	<20				



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ANALYTICAL RESULTS

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Attn: Luke Montague

Page: 6

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-091914

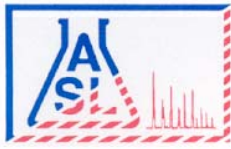
Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		321755	321756	321757	321758	321759
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	112	110	109	109	110

QUALITY CONTROL REPORT

QC Batch No: S2P-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	96	102	6.1	75-120	<20					



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ANALYTICAL RESULTS

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Attn: Luke Montague

Page: 7

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-091914

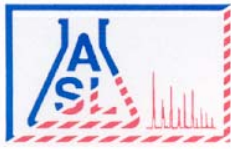
Our Lab I.D.		321760	321761	321762	321763	321764
Client Sample I.D.		B2-25'	B3-5'	B3-10'	B3-15'	B4-5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014	09/20/2014	09/20/2014	09/20/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		321760	321761	321762	321763	321764
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	108	112	107	107	114

QUALITY CONTROL REPORT

QC Batch No: S2P-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	100	100	<1	75-120	<20					



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
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 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 8

Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-091914

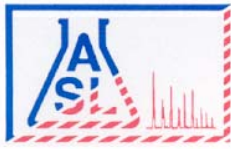
Our Lab I.D.		321765	321766			
Client Sample I.D.		B4-10'	B4-15'			
Date Sampled		09/18/2014	09/18/2014			
Date Prepared		09/19/2014	09/19/2014			
Preparation Method						
Date Analyzed		09/20/2014	09/20/2014			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH DROs (C10 to C28)	10.0	ND	ND			
TPH OROs (C28+)	50.0	ND	ND			

Our Lab I.D.		321765	321766			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Chlorobenzene	70-120	108	107			

QUALITY CONTROL REPORT

QC Batch No: S2P-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	97	1.0	75-120	<20					



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Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 9

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-091914

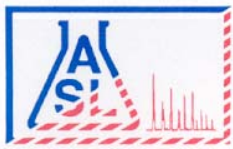
Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH GROs (C6 to C10)	500	ND	ND	ND	ND	ND

Our Lab I.D.		321755	321756	321757	321758	321759
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	82	81	97	79	81

QUALITY CONTROL REPORT

QC Batch No: S1G-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	100	103	3.0	75-120	<20					
Toluene	95	96	1.0	75-120	<20					



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-091914

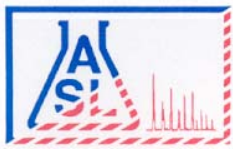
Our Lab I.D.		321760			
Client Sample I.D.		B2-25'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
TPH GROs (C6 to C10)	500	ND			

Our Lab I.D.		321760			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	86			

QUALITY CONTROL REPORT

QC Batch No: S1G-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	100	103	3.0	75-120	<20				
Toluene	95	96	1.0	75-120	<20				



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

Site

1150 Fashion Valley Road
 San Diego, CA

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-092214

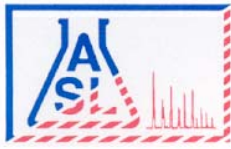
Our Lab I.D.		321761	321762	321763		
Client Sample I.D.		B3-5'	B3-10'	B3-15'		
Date Sampled		09/18/2014	09/18/2014	09/18/2014		
Date Prepared		09/22/2014	09/22/2014	09/22/2014		
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
TPH GROs (C6 to C10)	500	ND	ND	ND		

Our Lab I.D.		321761	321762	321763		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	91	96	91		

QUALITY CONTROL REPORT

QC Batch No: S1G-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	93	102	9.2	75-120	<20					
Toluene	90	94	4.3	75-120	<20					



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ANALYTICAL RESULTS

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Page: **12**

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1H-092214

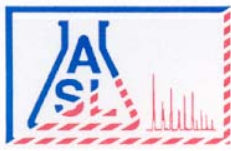
Our Lab I.D.		321764	321765	321766		
Client Sample I.D.		B4-5'	B4-10'	B4-15'		
Date Sampled		09/18/2014	09/18/2014	09/18/2014		
Date Prepared		09/22/2014	09/22/2014	09/22/2014		
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
TPH GROs (C6 to C10)	500	ND	ND	ND		

Our Lab I.D.		321764	321765	321766		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	118	106	112		

QUALITY CONTROL REPORT

QC Batch No: S1H-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	89	88	1.1	75-120	<20					
Toluene	87	86	1.2	75-120	<20					



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

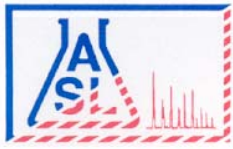
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091914-1

Our Lab I.D.		321767	321768	321769	321770	321771
Client Sample I.D.		SB1-0.5'	SB2-0.5'	SB2-1.5'	SB3-0.5'	SB3-3.0'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	9.44	3.81	ND	ND	ND
alpha-Chlordane	2.00	14.8	3.50	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	16.3	12.2	ND	ND	ND
4,4'-DDT (DDT)	4.00	23.4	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	4.23	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND

Our Lab I.D.		321767	321768	321769	321770	321771
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	89	89	81	87	111



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

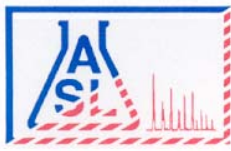
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	110	<1	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	123	112	9.4	36-146	<30					
Endrin	133	128	3.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	94	99	5.2	32-127	<30					
Heptachlor	108	106	1.9	34-111	<30					



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ANALYTICAL RESULTS

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Site

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 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

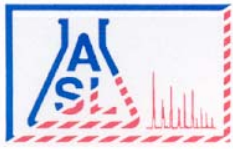
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091914-1

Our Lab I.D.		321772	321773	321774	321775	321776
Client Sample I.D.		SB4-0.5'	SB5-0.5'	SB5-1.5'	SB6-0.5'	SB7-0.5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND

Our Lab I.D.		321772	321773	321774	321775	321776
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	83	88	92	106	110



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

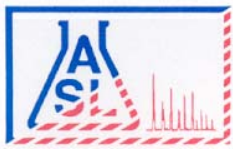
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	110	<1	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	123	112	9.4	36-146	<30					
Endrin	133	128	3.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	94	99	5.2	32-127	<30					
Heptachlor	108	106	1.9	34-111	<30					



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
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Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

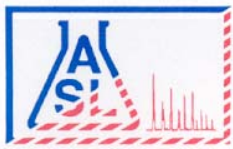
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091914-1

Our Lab I.D.		321777	321778	321779	321780	321781
Client Sample I.D.		SB8-0.5'	SB9-0.5'	SB9-1.5'	SB10-0.5'	SB11-0.5'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND

Our Lab I.D.		321777	321778	321779	321780	321781
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	110	101	83	78	94



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

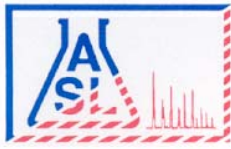
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	110	<1	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	123	112	9.4	36-146	<30					
Endrin	133	128	3.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	94	99	5.2	32-127	<30					
Heptachlor	108	106	1.9	34-111	<30					



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

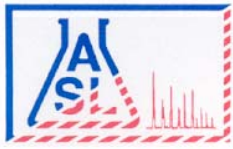
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091914-1

Our Lab I.D.		321782	321783	321784		
Client Sample I.D.		SB11-3.0'	SB12-0.5'	SB12-3.0'		
Date Sampled		09/18/2014	09/18/2014	09/18/2014		
Date Prepared		09/19/2014	09/19/2014	09/19/2014		
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Aldrin	2.00	ND	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND		
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND		
Gamma-Chlordane	2.00	ND	ND	ND		
alpha-Chlordane	2.00	ND	ND	ND		
4,4'-DDD (DDD)	4.00	ND	ND	ND		
4,4'-DDE (DDE)	4.00	ND	ND	ND		
4,4'-DDT (DDT)	4.00	ND	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND		
Dieldrin	4.00	ND	ND	ND		
Endosulfan 1	2.00	ND	ND	ND		
Endosulfan 11	4.00	ND	ND	ND		
Endosulfan sulfate	4.00	ND	ND	ND		
Endrin	4.00	ND	ND	ND		
Endrin aldehyde	4.00	ND	ND	ND		
Endrin ketone	4.00	ND	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND		
Heptachlor	2.00	ND	ND	ND		
Heptachlor epoxide	2.00	ND	ND	ND		
Methoxychlor	4.00	ND	ND	ND		
Toxaphene	170	ND	ND	ND		

Our Lab I.D.		321782	321783	321784		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	92	82	98		



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

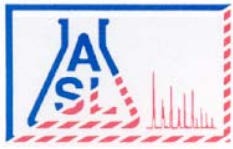
ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	110	<1	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	123	112	9.4	36-146	<30					
Endrin	133	128	3.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	94	99	5.2	32-127	<30					
Heptachlor	108	106	1.9	34-111	<30					



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 San Diego, CA

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Attn: Luke Montague

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8151A, Chlorinated Herbicides by Gas Chromatography

QC Batch No: 091914-1

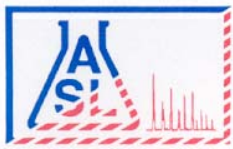
Our Lab I.D.		321767	321775	321776	321778	
Client Sample I.D.		SB1-0.5'	SB6-0.5'	SB7-0.5'	SB9-0.5'	
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
2,4-D	100	ND	ND	ND	ND	
2,4-DB	100	ND	ND	ND	ND	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10.0	ND	ND	ND	ND	
2,4,5-TP (Silvex)	10.0	ND	ND	ND	ND	
Dalapon	250	ND	ND	ND	ND	
Dicamba	10.0	ND	ND	ND	ND	
Dichloroprop	100	ND	ND	ND	ND	
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	50.0	ND	ND	ND	ND	
MCPA	10000	ND	ND	ND	ND	
MCPD	10000	ND	ND	ND	ND	

Our Lab I.D.		321767	321775	321776	321778	
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery						
2,4-Dichlorophenoxyacetic acid	30-130	88	108	102	107	

QUALITY CONTROL REPORT

QC Batch No: 091914-1

Analytes	LCS % REC	LCS/LCSD % Limit							
2,4-D	86	30-130							
2,4-DB	91	30-130							
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	98	30-130							



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ANALYTICAL RESULTS

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Site

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 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

Our Lab I.D.		321761	321762	321763	321764	321765
Client Sample I.D.		B3-5'	B3-10'	B3-15'	B4-5'	B4-10'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Acetone	50.0	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND



ANALYTICAL RESULTS

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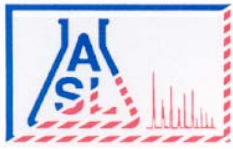
Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

Our Lab I.D.		321761	321762	321763	321764	321765
Client Sample I.D.		B3-5'	B3-10'	B3-15'	B4-5'	B4-10'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

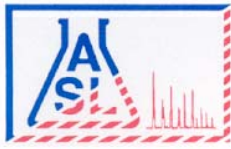
Our Lab I.D.		321761	321762	321763	321764	321765
Client Sample I.D.		B3-5'	B3-10'	B3-15'	B4-5'	B4-10'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND

Our Lab I.D.		321761	321762	321763	321764	321765
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	106	117	108	107	107
Dibromofluoromethane	70-120	99	70	100	100	100
Toluene-d8	70-120	100	94	100	101	101

QUALITY CONTROL REPORT

QC Batch No: S1B-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	113	112	<1	75-120	15					
Chlorobenzene	119	117	1.7	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	100	100	<1	75-120	15					
MTBE	109	118	7.9	75-120	15					
Toluene (Methyl benzene)	117	115	1.7	75-120	15					
Trichloroethene (TCE)	112	110	1.8	75-120	15					



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Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00T3

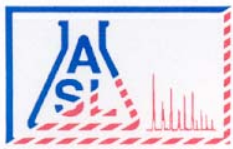
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

Our Lab I.D.		321766			
Client Sample I.D.		B4-15'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Acetone	50.0	ND			
Benzene	2.00	ND			
Bromobenzene (Phenyl bromide)	10.0	ND			
Bromochloromethane (Chlorobromomethane)	10.0	ND			
Bromodichloromethane (Dichlorobromomethane)	10.0	ND			
Bromoform (Tribromomethane)	50.0	ND			
Bromomethane (Methyl bromide)	30.0	ND			
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND			
n-Butylbenzene	10.0	ND			
sec-Butylbenzene	10.0	ND			
tert-Butylbenzene	10.0	ND			
Carbon disulfide	10.0	ND			
Carbon tetrachloride (Tetrachloromethane)	10.0	ND			
Chlorobenzene	10.0	ND			
Chloroethane	30.0	ND			
2-Chloroethyl vinyl ether	50.0	ND			
Chloroform (Trichloromethane)	10.0	ND			
Chloromethane (Methyl chloride)	30.0	ND			
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND			
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND			
Dibromochloromethane	10.0	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND			
Dibromomethane	10.0	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND			
Dichlorodifluoromethane	30.0	ND			
1,1-Dichloroethane	10.0	ND			



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ANALYTICAL RESULTS

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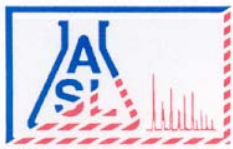
Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

Our Lab I.D.		321766			
Client Sample I.D.		B4-15'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
1,2-Dichloroethane	10.0	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND			
cis-1,2-Dichloroethene	10.0	ND			
trans-1,2-Dichloroethene	10.0	ND			
1,2-Dichloropropane	10.0	ND			
1,3-Dichloropropane	10.0	ND			
2,2-Dichloropropane	10.0	ND			
1,1-Dichloropropene	10.0	ND			
cis-1,3-Dichloropropene	10.0	ND			
trans-1,3-Dichloropropene	10.0	ND			
Ethylbenzene	2.00	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND			
2-Hexanone	50.0	ND			
Isopropylbenzene	10.0	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND			
MTBE	5.00	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND			
Methylene chloride (Dichloromethane, DCM)	50.0	ND			
Naphthalene	10.0	ND			
n-Propylbenzene	10.0	ND			
Styrene	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
Tetrachloroethene (Tetrachloroethylene)	10.0	ND			
Toluene (Methyl benzene)	2.00	ND			
1,2,3-Trichlorobenzene	10.0	ND			
1,2,4-Trichlorobenzene	10.0	ND			
1,1,1-Trichloroethane	10.0	ND			
1,1,2-Trichloroethane	10.0	ND			
Trichloroethene (TCE)	10.0	ND			
Trichlorofluoromethane	10.0	ND			
1,2,3-Trichloropropane	10.0	ND			
1,2,4-Trimethylbenzene	10.0	ND			
1,3,5-Trimethylbenzene	10.0	ND			
Vinyl acetate	50.0	ND			



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ANALYTICAL RESULTS

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Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091914

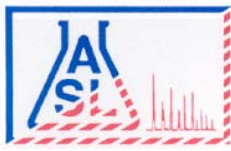
Our Lab I.D.		321766			
Client Sample I.D.		B4-15'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Vinyl chloride (Chloroethene)	30.0	ND			
o-Xylene	2.00	ND			
m- & p-Xylenes	4.00	ND			

Our Lab I.D.		321766			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	107			
Dibromofluoromethane	70-120	99			
Toluene-d8	70-120	100			

QUALITY CONTROL REPORT

QC Batch No: S1B-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	113	112	<1	75-120	15				
Chlorobenzene	119	117	1.7	75-120	15				
1,1-Dichloroethene (1,1-Dichloroethylene)	100	100	<1	75-120	15				
MTBE	109	118	7.9	75-120	15				
Toluene (Methyl benzene)	117	115	1.7	75-120	15				
Trichloroethene (TCE)	112	110	1.8	75-120	15				



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Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Acetone	50.0	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND



ANALYTICAL RESULTS

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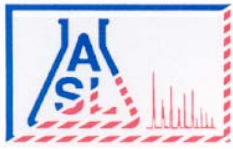
Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND



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Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Page: **30**

Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

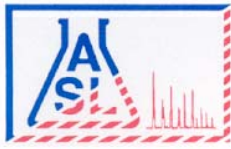
Our Lab I.D.		321755	321756	321757	321758	321759
Client Sample I.D.		B1-5'	B1-15'	B1-19.5'	B2-5'	B2-15'
Date Sampled		09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Date Prepared		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Preparation Method						
Date Analyzed		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND

Our Lab I.D.		321755	321756	321757	321758	321759
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	81	80	97	80	80
Dibromofluoromethane	70-120	86	86	82	88	91
Toluene-d8	70-120	83	81	86	81	82

QUALITY CONTROL REPORT

QC Batch No: S1C-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	104	102	1.9	75-120	15				
Chlorobenzene	105	105	<1	75-120	15				
1,1-Dichloroethene (1,1-Dichloroethylene)	113	112	<1	75-120	15				
MTBE	102	100	2.0	75-120	15				
Toluene (Methyl benzene)	111	116	4.4	75-120	15				
Trichloroethene (TCE)	96	92	4.3	75-120	15				



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: **31**

Project ID: 01214245.00T3

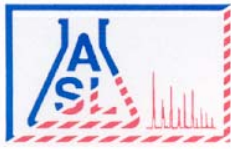
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

Our Lab I.D.		321760			
Client Sample I.D.		B2-25'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Acetone	50.0	ND			
Benzene	2.00	ND			
Bromobenzene (Phenyl bromide)	10.0	ND			
Bromochloromethane (Chlorobromomethane)	10.0	ND			
Bromodichloromethane (Dichlorobromomethane)	10.0	ND			
Bromoform (Tribromomethane)	50.0	ND			
Bromomethane (Methyl bromide)	30.0	ND			
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND			
n-Butylbenzene	10.0	ND			
sec-Butylbenzene	10.0	ND			
tert-Butylbenzene	10.0	ND			
Carbon disulfide	10.0	ND			
Carbon tetrachloride (Tetrachloromethane)	10.0	ND			
Chlorobenzene	10.0	ND			
Chloroethane	30.0	ND			
2-Chloroethyl vinyl ether	50.0	ND			
Chloroform (Trichloromethane)	10.0	ND			
Chloromethane (Methyl chloride)	30.0	ND			
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND			
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND			
Dibromochloromethane	10.0	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND			
Dibromomethane	10.0	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND			
Dichlorodifluoromethane	30.0	ND			
1,1-Dichloroethane	10.0	ND			



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ANALYTICAL RESULTS

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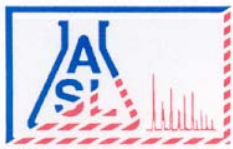
Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

Our Lab I.D.		321760			
Client Sample I.D.		B2-25'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
1,2-Dichloroethane	10.0	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND			
cis-1,2-Dichloroethene	10.0	ND			
trans-1,2-Dichloroethene	10.0	ND			
1,2-Dichloropropane	10.0	ND			
1,3-Dichloropropane	10.0	ND			
2,2-Dichloropropane	10.0	ND			
1,1-Dichloropropene	10.0	ND			
cis-1,3-Dichloropropene	10.0	ND			
trans-1,3-Dichloropropene	10.0	ND			
Ethylbenzene	2.00	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND			
2-Hexanone	50.0	ND			
Isopropylbenzene	10.0	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND			
MTBE	5.00	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND			
Methylene chloride (Dichloromethane, DCM)	50.0	ND			
Naphthalene	10.0	ND			
n-Propylbenzene	10.0	ND			
Styrene	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
Tetrachloroethene (Tetrachloroethylene)	10.0	ND			
Toluene (Methyl benzene)	2.00	ND			
1,2,3-Trichlorobenzene	10.0	ND			
1,2,4-Trichlorobenzene	10.0	ND			
1,1,1-Trichloroethane	10.0	ND			
1,1,2-Trichloroethane	10.0	ND			
Trichloroethene (TCE)	10.0	ND			
Trichlorofluoromethane	10.0	ND			
1,2,3-Trichloropropane	10.0	ND			
1,2,4-Trimethylbenzene	10.0	ND			
1,3,5-Trimethylbenzene	10.0	ND			
Vinyl acetate	50.0	ND			



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ANALYTICAL RESULTS

Page: **33**

Project ID: 01214245.00T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62115	09/19/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-091914

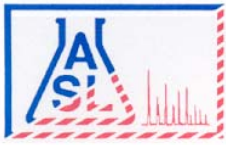
Our Lab I.D.		321760			
Client Sample I.D.		B2-25'			
Date Sampled		09/18/2014			
Date Prepared		09/19/2014			
Preparation Method					
Date Analyzed		09/19/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Vinyl chloride (Chloroethene)	30.0	ND			
o-Xylene	2.00	ND			
m- & p-Xylenes	4.00	ND			

Our Lab I.D.		321760			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	78			
Dibromofluoromethane	70-120	85			
Toluene-d8	70-120	87			

QUALITY CONTROL REPORT

QC Batch No: S1C-091914

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	104	102	1.9	75-120	15				
Chlorobenzene	105	105	<1	75-120	15				
1,1-Dichloroethene (1,1-Dichloroethylene)	113	112	<1	75-120	15				
MTBE	102	100	2.0	75-120	15				
Toluene (Methyl benzene)	111	116	4.4	75-120	15				
Trichloroethene (TCE)	96	92	4.3	75-120	15				



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Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Number of Pages 34
Date Received 09/22/2014
Date Reported 09/26/2014

Telephone (858) 571-5500
Attn Luke Montague

Job Number	Ordered	Client
62131	09/22/2014	SCS

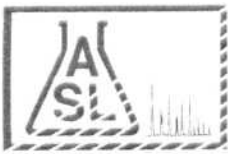
Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club
Site: 1150 Fashion Valley Road
San Diego, CA

Enclosed are the results of analyses on 32 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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Environmental Testing Services

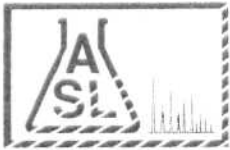
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# **62131**

Company: SCS Engineers		Report To: SCS Engineers	ANALYSIS REQUESTED				
Address: 8799 Balboa Ave. #290		Project Name: Riverwalk Golf Club	Address: Same				
San Diego, CA		Site Address: 1150 Fashion Valley Rd	Invoice To: SCS Engineers				
Telephone: (858) 571-5500		San Diego, CA	Address: Same				
Special Instruction: 24 HRS TAT		Project ID: 01214245.00 T3	TPH 8015B	VOCs 8260B	Arsenic 6010B	OP 8081A	CH 8151
Email: lmontague@scsengineers.com cramirez@scsengineers.com		Project Manager: Luke Montague					

LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	TPH	VOCs	Arsenic	OP	CH	Remarks			
	Lab ID	Sample ID	Date	Time	#	Type											
1	321846	B5-3.0'	9/19/14		1	Acetate Sleeve	Soil	4°C	✓	✓	-	-	-				
2	321847	B5-8.0'	↓		↓				✓	✓	-	-	-				
3	321848	SB13-0.5'								-	-	✓	✓	-			
		SB13-1.5'								-	-	-	-	-			
		SB13-3.0'								-	-	-	-	-			
4	321849	SB14-0.5'								-	-	✓	✓	-			
		SB14-1.5'								-	-	-	-	-			
		SB14-3.0'								-	-	-	-	-			
5	321850	SB15-0.5'								-	-	✓	✓	-			
		SB15-1.5'								-	-	-	-	-			

Collected By: Cristobal Ramirez	Date: 9/19/14	Time:	Relinquished By:	Date:	Time:	TAT
Relinquished By:	Date:	Time:	Received For Laboratory: Janet Chun	Date: 9/22/14	Time: 9:20	<input type="checkbox"/> Normal
Received By:	Date:	Time:	Condition of Sample:			<input checked="" type="checkbox"/> Rush



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Environmental Testing Services

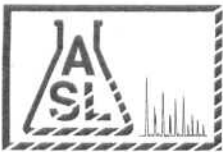
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED			
Address: <u>8799 Balboa Ave. #290</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>Same</u>		Arsenic 6010B OP 8081A	
San Diego, CA 92123		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>			
Telephone: <u>(858) 571-5500</u>		San Diego, CA		Address: <u>Same</u>			
Special Instruction: <u>24 HRS TAT</u>		Project ID: <u>01214245.00 T3</u>					
Email: <u>l.montague@scsengineers.com</u>		Project Manager: <u>Luke Montague</u>		P.O.#:			
Email: <u>cramirez@scsengineers.com</u>							

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation									Remarks
	Lab ID	Sample ID	Date	Time	#	Type												
		SB15-3.0'	9/19/14			Acetate Sleeve	Soil	4°C	-	-								
6	321851	SB16-0.5'							✓	✓								
		SB16-1.5'							-	-								
		SB16-3.0'							-	-								
7	321852	SB17-0.5'							✓	✓								
		SB17-1.5'							-	-								
		SB17-3.0'							-	-								
8	321853	SB18-0.5'							✓	✓								
		SB18-1.5'							-	-								
		SB18-3.0'							-	-								

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/19/14</u>	Time:	Relinquished By:	Date:	Time:	TAT
Relinquished By:	Date:	Time:	Received For Laboratory: <u>Janet Chin</u>	Date: <u>9/22/14</u>	Time: <u>9:20</u>	<input type="checkbox"/> Normal
Received By:	Date:	Time:	Condition of Sample:			<input checked="" type="checkbox"/> Rush



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>				Report To: <u>SCS Engineers</u>				ANALYSIS REQUESTED														
Address: <u>8799 Balboa Ave #290</u>				Project Name: <u>Riverwalk Golf Club</u>				Address: <u>Same</u>				<u>Arsenic 6010B</u> <u>OP 8081A</u> <u>CH 8151</u>										
San Diego, CA 92123				Site Address: <u>1150 Fashion Valley Rd</u>				Invoice To: <u>SCS Engineers</u>														
Telephone: <u>(858) 571-5500</u>				San Diego, CA				Address: <u>Same</u>														
Special Instruction: <u>24 HRS TAT</u>				Project ID: <u>01214245.00 T3</u>																		
<u>montague@scsengineers.com</u> <u>ramirez@scsengineers.com</u>				Project Manager: <u>Luke Montague</u>				P.O.#:														
ITEM	LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	Remarks											
	Lab ID	Sample ID	Date	Time	#	Type																
9	321854	SB19-0.5'	9/19/14			Acetate sleeve	soil	4°C	✓	✓	✓											
10	321855	SB19-1.5'							✓	✓	-											
		SB19-3.0'							-	-	-											
11	321856	SB20-0.5'							✓	✓	-											
		SB20-1.5'							-	-	-											
		SB20-3.0'							-	-	-											
12	321857	SB21-0.5'							✓	✓	-											
		SB21-1.5'							-	-	-											
		SB21-3.0'							-	-	-											
13	321858	SB22-0.5'							✓	✓	-											
Collected By: <u>Cristobal A. Ramirez</u>				Date: <u>9/19/14</u> Time: _____				Relinquished By: _____				Date: _____ Time: _____				TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush						
Relinquished By: _____				Date: _____ Time: _____				Received For Laboratory: <u>Janet Chin</u>				Date: <u>9/22/14</u> Time: <u>9:20</u>										
Received By: _____				Date: _____ Time: _____				Condition of Sample: _____														



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Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>		Report To: <u>SCS Engineers</u>		ANALYSIS REQUESTED											
Address: <u>8199 Balboa Ave #290</u>		Project Name: <u>Riverwalk Golf Club</u>		Address: <u>same</u>											
<u>San Diego, CA 92123</u>		Site Address: <u>1150 Fashion Valley Rd</u>		Invoice To: <u>SCS Engineers</u>											
Telephone: <u>(858) 571-5500</u>		<u>San Diego, CA</u>		Address: <u>same</u>											
Fax: _____		Project ID: <u>01214245.00 T3</u>													
Special Instruction: <u>24 HRS TAT</u>		Project Manager: <u>Luke Montague</u>		P.O.#: _____											
<u>lmontague@scsengineers.com</u>		<u>lramirez@scsengineers.com</u>													

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation				Remarks
	Lab ID	Sample ID	Date	Time	#	Type							
		<u>SB25-3.0'</u>	<u>9/19/14</u>			<u>Acetate sleeve</u>	<u>Soil</u>	<u>4°C</u>	-	-	-		
<u>17</u>	<u>321862</u>	<u>SB26-0.5'</u>							✓	✓	-		
		<u>SB26-1.5'</u>							-	-	-		
<u>18</u>	<u>321863</u>	<u>SB26-3.0'</u>							✓	✓	✓		
<u>19</u>	<u>321864</u>	<u>SB27-0.5'</u>							✓	✓	-		
<u>20</u>	<u>321865</u>	<u>SB27-1.5'</u>							✓	✓	-		
		<u>SB27-3.0'</u>							-	-	-		
<u>21</u>	<u>321866</u>	<u>SB28-0.5'</u>							✓	✓	-		
<u>22</u>	<u>321867</u>	<u>SB28-1.5'</u>							✓	✓	-		
		<u>SB28-3.0'</u>							-	-	-		

Collected By: <u>Cristobal Ramirez</u>	Date <u>9/19/14</u>	Time _____	Relinquished By: _____	Date _____	Time _____	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By: _____	Date _____	Time _____	Received For Laboratory <u>Janet Chin</u>	Date <u>9/22/14</u>	Time <u>9:20</u>	
Received By: _____	Date _____	Time _____	Condition of Sample: _____			



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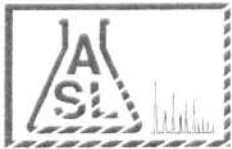
COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: <u>SCS Engineers</u>				Report To:				ANALYSIS REQUESTED											
Address:				Project Name:				Address:											
				Site Address:				Invoice To:											
Telephone:								Address:											
Fax:																			
Special Instruction: <u>24HRS TAT</u>				Project ID:															
E-mail:				Project Manager:				P.O.#:											

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation										Remarks
	Lab ID	Sample ID	Date	Time	#	Type													
23	321868	SB29-0.5'							✓	✓	-								
		SB29-1.5'							-	-	-								
		SB29-3.0'							-	-	-								
24	321869	SB30-0.5'							✓	✓	-								
		SB30-1.5'							-	-	-								
		SB30-3.0'							-	-	-								
25	321870	SB31-0.5'							✓	✓	-								
		SB31-1.5'							-	-	-								
		SB31-3.0'							-	-	-								
26	321871	SB32-0.5'							✓	✓	-								

Collected By: <u>Cristobal Ramirez</u>	Date: <u>9/19/14</u>	Time:	Relinquished By:	Date:	Time:	TAT
Relinquished By:	Date:	Time:	Received For Laboratory: <u>Janet Chin</u>	Date: <u>9/22/14</u>	Time: <u>9:20</u>	<input type="checkbox"/> Normal
Received By:	Date:	Time:	Condition of Sample:			<input checked="" type="checkbox"/> Rush

Arsenic 6010B
 OP 8081A
 CH 8151



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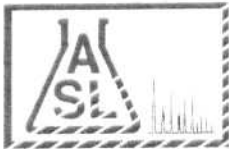
COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: SCS Engineers		Report To:		ANALYSIS REQUESTED											
Address:		Project Name:		Address:											
		Site Address:		Invoice To:											
Telephone:				Address:											
Fax:															
Special Instruction: 24HR TAT		Project ID:													
E-mail:		Project Manager:		P.O.#:											

Arsenic GOLOB
 OP 8081A
 CH 8151

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation											Remarks						
	Lab ID	Sample ID	Date	Time	#	Type																				
		SB32-1.5'								-	-	-														
		SB32-3.0'								-	-	-														
27	321872	SB33-0.5'								✓	✓	-														
		SB33-1.5'								-	-	-														
		SB3330'								-	-	-														
28	321873	SB34-0.5'								✓	✓	-														
		SB34-1.5'								-	-	-														
		SB34-3.0'								-	-	-														
29	321874	SB35-0.5'								✓	✓	-														
		SB35-1.5'								-	-	-														

Collected By: Cristobal Ramirez	Date: 9/19/14	Time:	Relinquished By:	Date:	Time:	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date:	Time:	Received For Laboratory: Janet chin	Date: 9/22/14	Time: 9:20	
Received By:	Date:	Time:	Condition of Sample:			



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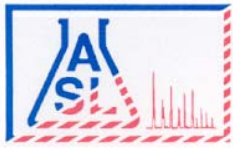
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº 65082** GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: SCS Engineers		Report To:		ANALYSIS REQUESTED														
Address:		Project Name:		Address:		Arsenic 6010B OP 8081A CH 8151 TPH 8015B VOCs 8260B												
		Site Address:		Invoice To:														
Telephone Fax				Address:														
Special Instruction: 24 HRS TAT		Project ID:																
E-mail:		Project Manager:		P.O.#:														

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation										Remarks
	Lab ID	Sample ID	Date	Time	#	Type													
		SB35-3.0'								-	-	-	-	-					
30	321875	SB36-0.5'								✓	✓	-	-	-					
		SB36-1.5'								-	-	-	-	-					
		SB36-3.0'								-	-	-	-	-					
31	321876	SB37-0.5'								✓	✓	-	-	-					
		SB37-1.5'								-	-	-	-	-					
		SB37-3.0'								-	-	-	-	-					
32	321877	GW 1								-	✓	-	✓	✓					

Collected By: Cristobal Ramirez	Date: 9/19/14	Time:	Relinquished By:	Date:	Time:	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By:	Date:	Time:	Received For Laboratory: Janet Chen	Date: 9/22/14	Time: 9:20	
Received By:	Date:	Time:	Condition of Sample:			



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
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 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: **2**

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

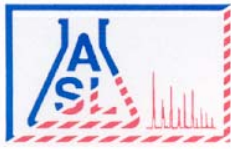
QC Batch No: 092114-1

Our Lab I.D.		321848	321849	321850	321851	321852
Client Sample I.D.		SB13-0.5'	SB14-0.5'	SB15-0.5'	SB16-0.5'	SB17-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	3.84	2.73	ND	0.345	21.0

QUALITY CONTROL REPORT

QC Batch No: 092114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	91	90	1.1	80-120	<20				



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Telephone: (858)571-5500

Attn: Luke Montague

Page: 3

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

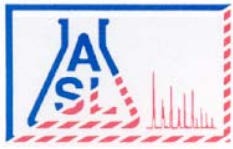
QC Batch No: 092114-1

Our Lab I.D.		321853	321854	321855	321856	321857
Client Sample I.D.		SB18-0.5'	SB19-0.5'	SB19-1.5'	SB20-0.5'	SB21-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	8.69	0.569	0.475	7.96	0.572

QUALITY CONTROL REPORT

QC Batch No: 092114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	91	90	1.1	80-120	<20				



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Page: **4**

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

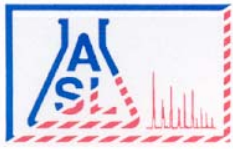
QC Batch No: 092114-1

Our Lab I.D.		321858	321859	321860	321861	321862
Client Sample I.D.		SB22-0.5'	SB23-0.5'	SB24-0.5'	SB25-0.5'	SB26-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	0.806	0.294	1.99	0.987	0.960

QUALITY CONTROL REPORT

QC Batch No: 092114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	91	90	1.1	80-120	<20				



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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

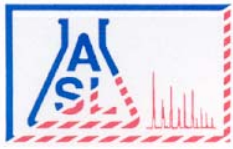
QC Batch No: 092114-2

Our Lab I.D.		321863	321864	321865	321866	321867
Client Sample I.D.		SB26-3.0'	SB27-0.5'	SB27-1.5'	SB28-0.5'	SB28-1.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	1.78	ND	ND	6.23	11.1

QUALITY CONTROL REPORT

QC Batch No: 092114-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	90	91	1.1	80-120	<20				



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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

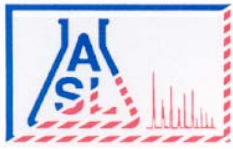
QC Batch No: 092114-2

Our Lab I.D.		321868	321869	321870	321871	321872
Client Sample I.D.		SB29-0.5'	SB30-0.5'	SB31-0.5'	SB32-0.5'	SB33-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	09/21/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	0.618	0.458	ND	1.50	ND

QUALITY CONTROL REPORT

QC Batch No: 092114-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	90	91	1.1	80-120	<20				



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Page: 7

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

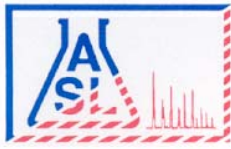
QC Batch No: 092114-2

Our Lab I.D.		321873	321874	321875	321876	
Client Sample I.D.		SB34-0.5'	SB35-0.5'	SB36-0.5'	SB37-0.5'	
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	
Date Prepared		09/21/2014	09/21/2014	09/21/2014	09/21/2014	
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
ICP Metals						
Arsenic	0.250	0.509	0.449	0.645	2.54	

QUALITY CONTROL REPORT

QC Batch No: 092114-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	90	91	1.1	80-120	<20				



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Page: 8

Project ID: 01214245.00 T3

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Project Name: Riverwalk Golf Club

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-092214

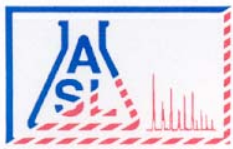
Our Lab I.D.		321846	321847			
Client Sample I.D.		B5-3.0'	B5-8.0'			
Date Sampled		09/19/2014	09/19/2014			
Date Prepared		09/22/2014	09/22/2014			
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH DROs (C10 to C28)	10.0	ND	ND			
TPH OROs (C28+)	50.0	ND	ND			

Our Lab I.D.		321846	321847			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Chlorobenzene	70-120	114	111			

QUALITY CONTROL REPORT

QC Batch No: S1D-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	92	93	1.1	75-120	<20					



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ANALYTICAL RESULTS

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Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-092214

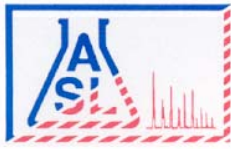
Our Lab I.D.		321846	321847			
Client Sample I.D.		B5-3.0'	B5-8.0'			
Date Sampled		09/19/2014	09/19/2014			
Date Prepared		09/22/2014	09/22/2014			
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH GROs (C6 to C10)	500	ND	ND			

Our Lab I.D.		321846	321847			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	96	88			

QUALITY CONTROL REPORT

QC Batch No: S1G-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	93	102	9.2	75-120	<20					
Toluene	90	94	4.3	75-120	<20					



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ANALYTICAL RESULTS

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Telephone: (858)571-5500

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Page: 10

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

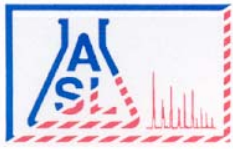
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321848	321849	321850	321851	321852
Client Sample I.D.		SB13-0.5'	SB14-0.5'	SB15-0.5'	SB16-0.5'	SB17-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321848	321849	321850	321851	321852
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	87	77	91	74	91



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

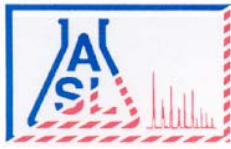
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	109	8.8	42-122	<30					
4,4'-DDT (DDT)	129	116	10.6	25-160	<30					
Dieldrin	124	126	1.6	36-146	<30					
Endrin	117	133	12.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	100	110	9.5	32-127	<30					
Heptachlor	101	107	5.8	34-111	<30					



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
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 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

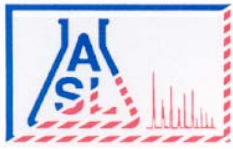
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321853	321854	321855	321856	321857
Client Sample I.D.		SB18-0.5'	SB19-0.5'	SB19-1.5'	SB20-0.5'	SB21-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	3.03
alpha-Chlordane	2.00	ND	ND	ND	ND	4.49
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321853	321854	321855	321856	321857
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	74	98	88	70	101



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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

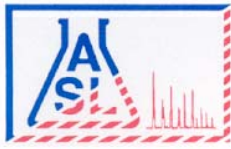
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	109	8.8	42-122	<30					
4,4'-DDT (DDT)	129	116	10.6	25-160	<30					
Dieldrin	124	126	1.6	36-146	<30					
Endrin	117	133	12.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	100	110	9.5	32-127	<30					
Heptachlor	101	107	5.8	34-111	<30					



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Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

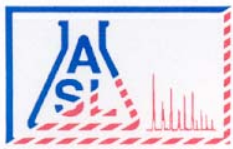
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321858	321859	321860	321861	321862
Client Sample I.D.		SB22-0.5'	SB23-0.5'	SB24-0.5'	SB25-0.5'	SB26-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	3.07	2.67
alpha-Chlordane	2.00	2.26	ND	ND	4.54	4.46
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321858	321859	321860	321861	321862
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	84	82	117	88	93



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

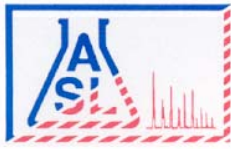
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	109	8.8	42-122	<30					
4,4'-DDT (DDT)	129	116	10.6	25-160	<30					
Dieldrin	124	126	1.6	36-146	<30					
Endrin	117	133	12.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	100	110	9.5	32-127	<30					
Heptachlor	101	107	5.8	34-111	<30					



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ANALYTICAL RESULTS

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 8799 Balboa Avenue, Suite 290
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 San Diego, CA

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Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

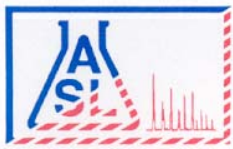
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321863	321864	321865	321866	321867
Client Sample I.D.		SB26-3.0'	SB27-0.5'	SB27-1.5'	SB28-0.5'	SB28-1.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321863	321864	321865	321866	321867
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	95	93	89	91	96



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

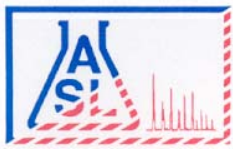
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	109	8.8	42-122	<30					
4,4'-DDT (DDT)	129	116	10.6	25-160	<30					
Dieldrin	124	126	1.6	36-146	<30					
Endrin	117	133	12.8	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	100	110	9.5	32-127	<30					
Heptachlor	101	107	5.8	34-111	<30					



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ANALYTICAL RESULTS

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 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

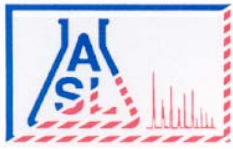
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-2

Our Lab I.D.		321868	321869	321870	321871	321872
Client Sample I.D.		SB29-0.5'	SB30-0.5'	SB31-0.5'	SB32-0.5'	SB33-0.5'
Date Sampled		09/19/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		321868	321869	321870	321871	321872
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	108	89	99	88	96



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

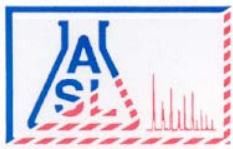
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	114	4.5	42-122	<30					
4,4'-DDT (DDT)	105	112	6.5	25-160	<30					
Dieldrin	109	124	12.9	36-146	<30					
Endrin	120	127	5.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	108	119	9.7	32-127	<30					
Heptachlor	102	108	5.7	34-111	<30					



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ANALYTICAL RESULTS

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Attn: Luke Montague

Page: 20

Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

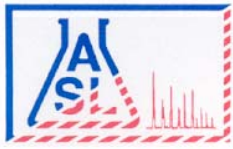
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-2

Our Lab I.D.		321873	321874	321875		
Client Sample I.D.		SB34-0.5'	SB35-0.5'	SB36-0.5'		
Date Sampled		09/19/2014	09/19/2014	09/19/2014		
Date Prepared		09/22/2014	09/22/2014	09/22/2014		
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014	09/22/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Aldrin	2.00	ND	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND		
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND		
Gamma-Chlordane	2.00	ND	ND	ND		
alpha-Chlordane	2.00	ND	ND	ND		
4,4'-DDD (DDD)	4.00	ND	ND	9.79		
4,4'-DDE (DDE)	4.00	ND	ND	ND		
4,4'-DDT (DDT)	4.00	ND	ND	11.6		
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND		
Dieldrin	4.00	ND	ND	ND		
Endosulfan 1	2.00	ND	ND	ND		
Endosulfan 11	4.00	ND	ND	ND		
Endosulfan sulfate	4.00	ND	ND	ND		
Endrin	4.00	ND	ND	ND		
Endrin aldehyde	4.00	ND	ND	ND		
Endrin ketone	4.00	ND	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND		
Heptachlor	2.00	ND	ND	ND		
Heptachlor epoxide	2.00	ND	ND	ND		
Methoxychlor	4.00	ND	ND	ND		
Toxaphene	170	ND	ND	ND		
Chlordane, Total	170	ND	ND	ND		

Our Lab I.D.		321873	321874	321875		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	97	88	97		



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

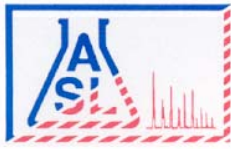
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	114	4.5	42-122	<30					
4,4'-DDT (DDT)	105	112	6.5	25-160	<30					
Dieldrin	109	124	12.9	36-146	<30					
Endrin	120	127	5.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	108	119	9.7	32-127	<30					
Heptachlor	102	108	5.7	34-111	<30					



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ANALYTICAL RESULTS

Ordered By

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 San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

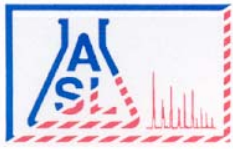
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-2A

Our Lab I.D.		321876			
Client Sample I.D.		SB37-0.5'			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Aldrin	2.00	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND			
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND			
Gamma-Chlordane	10.0	334			
alpha-Chlordane	10.0	565			
4,4'-DDD (DDD)	4.00	22.1			
4,4'-DDE (DDE)	20.0	261			
4,4'-DDT (DDT)	4.00	11.7			
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND			
Dieldrin	4.00	49.6			
Endosulfan 1	2.00	ND			
Endosulfan 11	4.00	ND			
Endosulfan sulfate	4.00	ND			
Endrin	4.00	ND			
Endrin aldehyde	4.00	ND			
Endrin ketone	4.00	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND			
Heptachlor	2.00	ND			
Heptachlor epoxide	2.00	20.7			
Methoxychlor	4.00	ND			
Toxaphene	170	ND			
Chlordane, Total	850	1430			

Our Lab I.D.		321876			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Decachlorobiphenyl	43-169	92			



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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

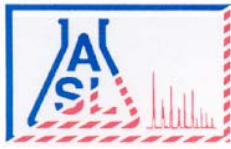
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-2A

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	109	114	4.5	42-122	<30					
4,4'-DDT (DDT)	105	112	6.5	25-160	<30					
Dieldrin	109	124	12.9	36-146	<30					
Endrin	120	127	5.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	108	119	9.7	32-127	<30					
Heptachlor	102	108	5.7	34-111	<30					



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Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8151A, Chlorinated Herbicides by Gas Chromatography

QC Batch No: 092414-1

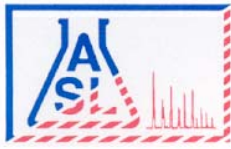
Our Lab I.D.		321854	321863		
Client Sample I.D.		SB19-0.5'	SB26-3.0'		
Date Sampled		09/19/2014	09/19/2014		
Date Prepared		09/22/2014	09/22/2014		
Preparation Method					
Date Analyzed		09/24/2014	09/24/2014		
Matrix		Soil	Soil		
Units		ug/kg	ug/kg		
Dilution Factor		1	1		
Analytes	PQL	Results	Results		
2,4-D	100	ND	ND		
2,4-DB	100	ND	ND		
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10.0	ND	ND		
2,4,5,-TP (Silvex)	10.0	ND	ND		
Dalapon	250	ND	ND		
Dicamba	10.0	ND	ND		
Dichloroprop	100	ND	ND		
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	50.0	ND	ND		
MCPA	10000	ND	ND		
MCPD	10000	ND	ND		

Our Lab I.D.		321854	321863		
Surrogates	% Rec.Limit	% Rec.	% Rec.		
Surrogate Percent Recovery					
2,4-Dichlorophenoxyacetic acid	30-130	111	161		

QUALITY CONTROL REPORT

QC Batch No: 092414-1

Analytes	LCS % REC	LCS/LCSD % Limit							
2,4-D	128	30-130							
2,4-DB	130	30-130							
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	118	30-130							



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Project ID: 01214245.00 T3

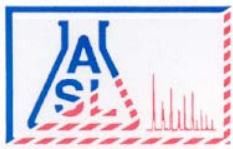
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092214

Our Lab I.D.		321846	321847			
Client Sample I.D.		B5-3.0'	B5-8.0'			
Date Sampled		09/19/2014	09/19/2014			
Date Prepared		09/22/2014	09/22/2014			
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
Acetone	50.0	ND	ND			
Benzene	2.00	ND	ND			
Bromobenzene (Phenyl bromide)	10.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND			
Bromoform (Tribromomethane)	50.0	ND	ND			
Bromomethane (Methyl bromide)	30.0	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND			
n-Butylbenzene	10.0	ND	ND			
sec-Butylbenzene	10.0	ND	ND			
tert-Butylbenzene	10.0	ND	ND			
Carbon disulfide	10.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND			
Chlorobenzene	10.0	ND	ND			
Chloroethane	30.0	ND	ND			
2-Chloroethyl vinyl ether	50.0	ND	ND			
Chloroform (Trichloromethane)	10.0	ND	ND			
Chloromethane (Methyl chloride)	30.0	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND			
Dibromochloromethane	10.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND			
Dibromomethane	10.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND			
Dichlorodifluoromethane	30.0	ND	ND			
1,1-Dichloroethane	10.0	ND	ND			



ANALYTICAL RESULTS

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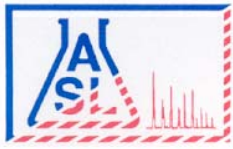
Project ID: 01214245.00 T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092214

Our Lab I.D.		321846	321847		
Client Sample I.D.		B5-3.0'	B5-8.0'		
Date Sampled		09/19/2014	09/19/2014		
Date Prepared		09/22/2014	09/22/2014		
Preparation Method					
Date Analyzed		09/22/2014	09/22/2014		
Matrix		Soil	Soil		
Units		ug/kg	ug/kg		
Dilution Factor		1	1		
Analytes	PQL	Results	Results		
1,2-Dichloroethane	10.0	ND	ND		
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND		
cis-1,2-Dichloroethene	10.0	ND	ND		
trans-1,2-Dichloroethene	10.0	ND	ND		
1,2-Dichloropropane	10.0	ND	ND		
1,3-Dichloropropane	10.0	ND	ND		
2,2-Dichloropropane	10.0	ND	ND		
1,1-Dichloropropene	10.0	ND	ND		
cis-1,3-Dichloropropene	10.0	ND	ND		
trans-1,3-Dichloropropene	10.0	ND	ND		
Ethylbenzene	2.00	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND		
2-Hexanone	50.0	ND	ND		
Isopropylbenzene	10.0	ND	ND		
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND		
MTBE	5.00	ND	ND		
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND		
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND		
Naphthalene	10.0	ND	ND		
n-Propylbenzene	10.0	ND	ND		
Styrene	10.0	ND	ND		
1,1,1,2-Tetrachloroethane	10.0	ND	ND		
1,1,2,2-Tetrachloroethane	10.0	ND	ND		
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND		
Toluene (Methyl benzene)	2.00	ND	ND		
1,2,3-Trichlorobenzene	10.0	ND	ND		
1,2,4-Trichlorobenzene	10.0	ND	ND		
1,1,1-Trichloroethane	10.0	ND	ND		
1,1,2-Trichloroethane	10.0	ND	ND		
Trichloroethene (TCE)	10.0	ND	ND		
Trichlorofluoromethane	10.0	ND	ND		
1,2,3-Trichloropropane	10.0	ND	ND		
1,2,4-Trimethylbenzene	10.0	ND	ND		
1,3,5-Trimethylbenzene	10.0	ND	ND		
Vinyl acetate	50.0	ND	ND		



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092214

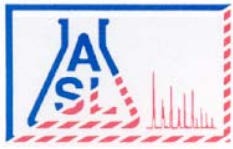
Our Lab I.D.		321846	321847			
Client Sample I.D.		B5-3.0'	B5-8.0'			
Date Sampled		09/19/2014	09/19/2014			
Date Prepared		09/22/2014	09/22/2014			
Preparation Method						
Date Analyzed		09/22/2014	09/22/2014			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
Vinyl chloride (Chloroethene)	30.0	ND	ND			
o-Xylene	2.00	ND	ND			
m- & p-Xylenes	4.00	ND	ND			

Our Lab I.D.		321846	321847			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	108	106			
Dibromofluoromethane	70-120	100	100			
Toluene-d8	70-120	101	101			

QUALITY CONTROL REPORT

QC Batch No: S1B-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	103	107	3.8	75-120	15					
Chlorobenzene	110	114	3.6	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	81	92	12.7	75-120	15					
MTBE	95	95	<1	75-120	15					
Toluene (Methyl benzene)	107	113	5.5	75-120	15					
Trichloroethene (TCE)	103	106	2.9	75-120	15					



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ANALYTICAL RESULTS

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Attn: Luke Montague

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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: W1D-092214

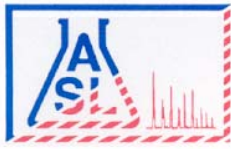
Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		mg/L			
Dilution Factor		1			
Analytes	PQL	Results			
TPH DROs (C10 to C28)	0.500	ND			
TPH OROs (C28+)	0.500	ND			

Our Lab I.D.		321877			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Chlorobenzene	70-120	88			

QUALITY CONTROL REPORT

QC Batch No: W1D-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Diesel	98	102	4.0	75-120	<20				



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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: W1G-092214

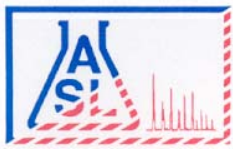
Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
TPH GROs (C6 to C10)	50.0	ND			

Our Lab I.D.		321877			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	90			

QUALITY CONTROL REPORT

QC Batch No: W1G-092214

Analytes	MS % REC	MS DUP % REC	RPD %						
Benzene	87	95	8.8						
Toluene	87	92	5.6						



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Project ID: 01214245.00 T3

Project Name: Riverwalk Golf Club

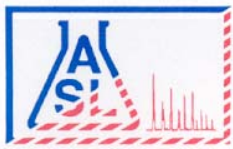
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092214-1

Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
Aldrin	0.0400	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	0.120	ND			
Beta-Hexachlorocyclohexane (Beta-BHC)	0.110	ND			
Gamma-Chlordane	0.400	ND			
alpha-Chlordane	0.400	ND			
4,4'-DDD (DDD)	0.100	ND			
4,4'-DDE (DDE)	0.0900	ND			
4,4'-DDT (DDT)	0.0400	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	0.110	ND			
dieldrin	0.0500	ND			
Endosulfan 1	0.0600	ND			
Endosulfan 11	0.0900	ND			
Endosulfan sulfate	0.0700	ND			
Endrin	0.0800	ND			
Endrin aldehyde	0.0900	ND			
Endrin ketone	0.0700	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.0600	ND			
Heptachlor	0.0300	ND			
Heptachlor epoxide	0.0700	ND			
Methoxychlor	0.100	ND			
Toxaphene	10.0	ND			
Chlordane, Total	10.0	ND			

Our Lab I.D.		321877			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Decachlorobiphenyl	43-169	72			



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ANALYTICAL RESULTS

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Project ID: 01214245.00 T3
Project Name: Riverwalk Golf Club

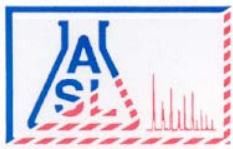
ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	120	119	<1	42-122	<30					
4,4'-DDT (DDT)	116	110	5.3	25-160	<30					
dieldrin	119	99	18.3	36-146	<30					
Endrin	109	139	24.2	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	109	102	6.6	32-127	<30					
Heptachlor	110	103	6.6	34-111	<30					



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

1150 Fashion Valley Road
San Diego, CA

Telephone: (858)571-5500

Attn: Luke Montague

Page: 32

Project ID: 01214245.00 T3

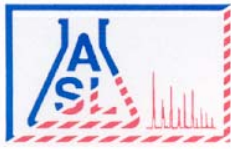
Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-092214

Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
Acetone	5.00	ND			
Benzene	1.00	ND			
Bromobenzene (Phenyl bromide)	1.00	ND			
Bromochloromethane (Chlorobromomethane)	1.00	ND			
Bromodichloromethane (Dichlorobromomethane)	1.00	ND			
Bromoform (Tribromomethane)	5.00	ND			
Bromomethane (Methyl bromide)	3.00	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.00	ND			
n-Butylbenzene	1.00	ND			
sec-Butylbenzene	1.00	ND			
tert-Butylbenzene	1.00	ND			
Carbon disulfide	1.00	ND			
Carbon tetrachloride (Tetrachloromethane)	1.00	ND			
Chlorobenzene	1.00	ND			
Chloroethane	3.00	ND			
2-Chloroethyl vinyl ether	5.00	ND			
Chloroform (Trichloromethane)	1.00	ND			
Chloromethane (Methyl chloride)	3.00	ND			
4-Chlorotoluene (p-Chlorotoluene)	1.00	ND			
2-Chlorotoluene (o-Chlorotoluene)	1.00	ND			
1,2-Dibromo-3-chloropropane (DBCP)	5.00	ND			
Dibromochloromethane	1.00	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	1.00	ND			
Dibromomethane	1.00	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.00	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.00	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	1.00	ND			
Dichlorodifluoromethane	3.00	ND			
1,1-Dichloroethane	1.00	ND			



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ANALYTICAL RESULTS

Page: **33**

Project ID: 01214245.00 T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-092214

Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
1,2-Dichloroethane	1.00	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	1.00	ND			
cis-1,2-Dichloroethene	1.00	1.22			
trans-1,2-Dichloroethene	1.00	ND			
1,2-Dichloropropane	1.00	ND			
1,3-Dichloropropane	1.00	ND			
2,2-Dichloropropane	1.00	ND			
1,1-Dichloropropene	1.00	ND			
cis-1,3-Dichloropropene	1.00	ND			
trans-1,3-Dichloropropene	1.00	ND			
Ethylbenzene	1.00	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3.00	ND			
2-Hexanone	5.00	ND			
Isopropylbenzene	1.00	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	1.00	ND			
MTBE	2.00	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	5.00	ND			
Methylene chloride (Dichloromethane, DCM)	5.00	ND			
Naphthalene	1.00	ND			
n-Propylbenzene	1.00	ND			
Styrene	1.00	ND			
1,1,1,2-Tetrachloroethane	1.00	ND			
1,1,1,2,2-Tetrachloroethane	1.00	ND			
Tetrachloroethene (Tetrachloroethylene)	1.00	ND			
Toluene (Methyl benzene)	1.00	ND			
1,2,3-Trichlorobenzene	1.00	ND			
1,2,4-Trichlorobenzene	1.00	ND			
1,1,1-Trichloroethane	1.00	ND			
1,1,2-Trichloroethane	1.00	ND			
Trichloroethene (TCE)	1.00	ND			
Trichlorofluoromethane	1.00	ND			
1,2,3-Trichloropropane	1.00	ND			
1,2,4-Trimethylbenzene	1.00	ND			
1,3,5-Trimethylbenzene	1.00	ND			
Vinyl acetate	5.00	ND			



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ANALYTICAL RESULTS

Page: **34**

Project ID: 01214245.00 T3
 Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62131	09/22/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-092214

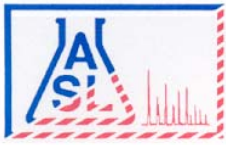
Our Lab I.D.		321877			
Client Sample I.D.		GW1			
Date Sampled		09/19/2014			
Date Prepared		09/22/2014			
Preparation Method					
Date Analyzed		09/22/2014			
Matrix		Water			
Units		ug/L			
Dilution Factor		1			
Analytes	PQL	Results			
Vinyl chloride (Chloroethene)	3.00	ND			
o-Xylene	1.00	ND			
m- & p-Xylenes	2.00	ND			

Our Lab I.D.		321877			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	106			
Dibromofluoromethane	70-120	92			
Toluene-d8	70-120	100			

QUALITY CONTROL REPORT

QC Batch No: W1B-092214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	109	111	1.8	75-120	15				
Chlorobenzene	112	115	2.6	75-120	15				
1,1-Dichloroethene (1,1-Dichloroethylene)	92	94	2.2	75-120	15				
MTBE	108	100	7.7	75-120	15				
Toluene (Methyl benzene)	113	116	2.6	75-120	15				
Trichloroethene (TCE)	109	106	2.8	75-120	15				



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Environmental Testing Services

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Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Number of Pages 6
Date Received 09/22/2014
Date Reported 10/02/2014

Telephone (858) 571-5500
Attn Christobal Ramirez

Job Number	Ordered	Client
62190	09/25/2014	SCS

Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club
Site: 1150 Fashion Valley Road
San Diego, CA

Enclosed are the results of analyses on 10 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

From: Ramirez, Cristobal [mailto:CRamirez@scsengineers.com]

Sent: Thursday, September 25, 2014 7:56 AM

To: Alen Hosepian

Please analyze the following samples under normal TAT for organochlorine pesticides (Method 8081A):

Additional Test request

ASL JOB # 62190

Requested Date : 9/25/14

Normal TAT

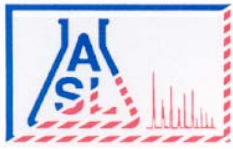
Report Due Date : 10/2/14

	Sample ID	Sample Date	Matrix	Analysis	Analysis	NEW ID
1	SB1-1.5	9/18/2014	Soil	8081A	Pesticides	322150
2	SB21-1.5	9/19/2014	Soil	8081A	Pesticides	322151
3	SB25-1.5	9/19/2014	Soil	8081A	Pesticides	322152
4	SB26-1.5	9/19/2014	Soil	8081A	Pesticides	322153
5	SB36-1.5	9/19/2014	Soil	8081A	Pesticides	322154
6	SB37-1.5	9/19/2014	Soil	8081A	Pesticides	322155

And Arsenic (Method 6010B):

7	SB8-1.5	9/18/2014	Soil	6010B	Arsenic	322156
8	SB9-3.0	9/18/2014	Soil	6010B	Arsenic	322157
9	SB17-1.5	9/19/2014	Soil	6010B	Arsenic	322158
10	SB28-3.0	9/19/2014	Soil	6010B	Arsenic	322159

Cristobal A. Ramirez, CAC
Senior Project Professional
SCS Engineers



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Christobal Ramirez

Page: **2**

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 6010B, Arsenic (ICP)

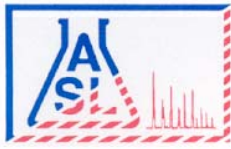
QC Batch No: 100214-1

Our Lab I.D.		322156	322157	322158	322159	
Client Sample I.D.		SB8-1.5	SB9-3.0	SB17-1.5	SB28-3.0	
Date Sampled		09/18/2014	09/18/2014	09/19/2014	09/19/2014	
Date Prepared		10/02/2014	10/02/2014	10/02/2014	10/02/2014	
Preparation Method						
Date Analyzed		10/02/2014	10/02/2014	10/02/2014	10/02/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
ICP Metals						
Arsenic	0.250	4.35	5.58	34.9	0.922	

QUALITY CONTROL REPORT

QC Batch No: 100214-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	93	95	2.9	80-120	<20				



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Christobal Ramirez

Page: 3

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

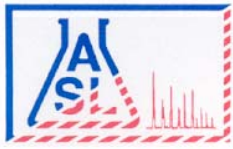
ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 100114-1

Our Lab I.D.		322150	322151	322152	322153	322154
Client Sample I.D.		SB1-1.5	SB21-1.5	SB25-1.5	SB26-1.5	SB36-1.5
Date Sampled		09/18/2014	09/19/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		10/01/2014	10/01/2014	10/01/2014	10/01/2014	10/01/2014
Preparation Method						
Date Analyzed		10/01/2014	10/01/2014	10/01/2014	10/01/2014	10/01/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	4.00	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	4.00	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		322150	322151	322152	322153	322154
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	83	85	108	94	101



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Environmental Testing Services

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ANALYTICAL RESULTS

Page: **4**

Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

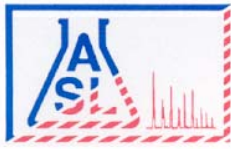
ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 100114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	82	88	7.1	42-122	<30					
4,4'-DDT (DDT)	88	100	12.8	25-160	<30					
Dieldrin	84	92	9.1	36-146	<30					
Endrin	86	92	6.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	86	89	3.4	32-127	<30					
Heptachlor	84	87	3.5	34-111	<30					



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Site

1150 Fashion Valley Road
 San Diego, CA

Telephone: (858)571-5500

Attn: Christobal Ramirez

Page: 5

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

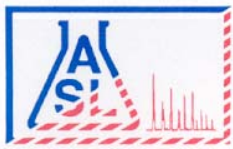
ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QC Batch No: 100114-1

Our Lab I.D.		322155			
Client Sample I.D.		SB37-1.5			
Date Sampled		09/19/2014			
Date Prepared		10/01/2014			
Preparation Method					
Date Analyzed		10/01/2014			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	PQL	Results			
Aldrin	2.00	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND			
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND			
Gamma-Chlordane	2.00	ND			
alpha-Chlordane	2.00	ND			
4,4'-DDD (DDD)	4.00	ND			
4,4'-DDE (DDE)	4.00	ND			
4,4'-DDT (DDT)	4.00	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND			
Dieldrin	4.00	ND			
Endosulfan 1	2.00	ND			
Endosulfan 11	4.00	ND			
Endosulfan sulfate	4.00	ND			
Endrin	4.00	ND			
Endrin aldehyde	4.00	ND			
Endrin ketone	4.00	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND			
Heptachlor	2.00	ND			
Heptachlor epoxide	2.00	ND			
Methoxychlor	4.00	ND			
Toxaphene	170	ND			
Chlordane, Total	170	ND			

Our Lab I.D.		322155			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Decachlorobiphenyl	43-169	97			



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ANALYTICAL RESULTS

Page: **6**

Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

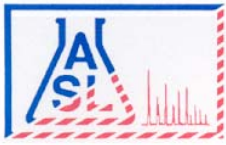
ASL Job Number	Submitted	Client
62190	09/22/2014	SCS

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 100114-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	82	88	7.1	42-122	<30					
4,4'-DDT (DDT)	88	100	12.8	25-160	<30					
Dieldrin	84	92	9.1	36-146	<30					
Endrin	86	92	6.7	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	86	89	3.4	32-127	<30					
Heptachlor	84	87	3.5	34-111	<30					



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Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Number of Pages 2
Date Received 09/19/2014
Date Reported 10/16/2014

Telephone (858) 571-5500
Attn Christobal Ramirez

Job Number	Ordered	Client
62353	10/13/2014	SCS

Project ID: 01214245.00T3
Project Name: Riverwalk Golf Club

Enclosed are the results of analyses on 1 sample analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

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- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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Additional Request (10/13/14)

1 d 2

3 Days Rush, Report Due: 10/16/14 Page 5 of 8

NEW JOB# 62353

COC# N° 50689 GLOBAL ID

E REPORT: PDF EDF EDD ASL JOB# 62115

Company SCS Engineers	Report To SCS	ANALYSIS REQUESTED		
Address	Address: Same	Arsenic 6010B OP 8081A CH 8151		
Telephone	Invoice To SCS			
Fax	Address: Same			
Special Instructions 24 HRS TAT	Project ID 01214245.00 T3	P.O.#		
E-mail	Project Manager			New I.D.

ITEM	LAB USE ONLY		SAMPLE DESCRIPTION			Container(s)		Matrix	Preservation	ANALYSIS REQUESTED			Remarks
	Lab ID	Sample ID	Date	Time	#	Type							
		SB8-3.0'	9/18/14			Acetate sleeve	Soil	4°C	-	-	-		
24	321778	SB9-0.5'							✓	✓	✓		
25	321779	SB9-1.5'							✓	✓	-		
		SB9-3.0'							⊗	-	-		320976
26	321780	SB10-0.5'							✓	✓	-		
27	321781	SB11-0.5'							✓	✓	-		
		SB11-1.5'							-	-	-		
28	321782	SB11-3.0'							✓	✓	-		
29	321783	SB12-0.5'							✓	✓	-		
		SB12 1.5'							-	-	-		

Collected By Cristobal Ramirez	Date 9/18/14	Time	Relinquished By	Date	Time	TAT
Relinquished By	Date	Time	Received For Laboratory Janet Chun	Date 9/19/14	Time 11:20	<input type="checkbox"/> Normal
Received By	Date	Time	Condition of Sample			<input checked="" type="checkbox"/> Rush

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AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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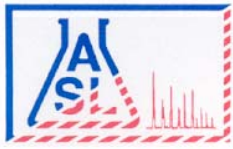
NEW JOB # 62353

COC# N^o 65082 GLOBAL ID _____ E REPORT: PDF EDF EDD ASL JOB# 62131

Company: SCS Engineers		Report To: SCS Engineers		ANALYSIS REQUESTED			
Address: 8799 Balboa Ave. #290		Project Name: Riverwalk Golf Club		Address: Same		Arsenic 6010B OP 8081A	
San Diego, CA 92123		Site Address: 1150 Fashion Valley Rd		Invoice To: SCS Engineers			
Telephone: (858) 571-5500		San Diego, CA		Address: Same			
Fax: _____		Project ID: 01214245.00 T3		PO#: _____			
Special Instruction: 24 HRS TAT		Project Manager: Luke Montague		New I.D.			
Email: lmontague@scsengineers.com							
Email: cramirez@scsengineers.com							

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation									Remarks
	Lab ID	Sample ID	Date	Time	#	Type												
		SB15-3.0'	9/19/14			Acetate Sleeve	Soil	4°C	-	-								
6	321851	SB16-0.5'							✓	✓								
		SB16-1.5'							-	-								
		SB16-3.0'							-	-								
7	321852	SB17-0.5'							✓	✓								
		SB17-1.5'							-	-								
		SB17-3.0'							⊗	-								322977
8	321853	SB18-0.5'							✓	✓								
		SB18-0.5'							-	-								
		SB18-3.0							-	-								

Collected By: Cristobal Ramirez	Date: 9/19/14	Time: _____	Relinquished By: _____	Date: _____	Time: _____	TAT <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush
Relinquished By: _____	Date: _____	Time: _____	Received For Laboratory: Janet Chin	Date: 9/22/14	Time: 9:20	
Received By: _____	Date: _____	Time: _____	Condition of Sample: _____			



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
 8799 Balboa Avenue, Suite 290
 San Diego, CA 92123-

Telephone: (858)571-5500

Attn: Christobal Ramirez

Page: **2**

Project ID: 01214245.00T3

Project Name: Riverwalk Golf Club

ASL Job Number	Submitted	Client
62353	09/19/2014	SCS

Method: 6010B, Arsenic (ICP)

QC Batch No: 101414-1

Our Lab I.D.		322977			
Client Sample I.D.		SB17-3.0'			
Date Sampled		09/19/2014			
Date Prepared		10/14/2014			
Preparation Method					
Date Analyzed		10/15/2014			
Matrix		Soil			
Units		mg/Kg			
Dilution Factor		1			
Analytes	PQL	Results			
ICP Metals					
Arsenic	0.250	6.66			

QUALITY CONTROL REPORT

QC Batch No: 101414-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
ICP Metals									
Arsenic	96	105	8.6	80-120	<20				