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Report of 2012 Activities

Site:
Former Rincon Mushroom Farm
APN 133-180-020
33777 Valley Center Road
Valley Center, San Diego County, California

Prepared for:
Rincon Band of San Luiseño Indians
P.O. Box 68
Valley Center, California 92082

MARCH 6, 2013

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Former Rincon Mushroom Farm
33777 Valley Center Road
Valley Center, San Diego County, California

Summary – Report of 2012 Activities, dated March 6, 2013

AEG installed additional monitoring wells and collected onsite samples during February and March 2012 to determine the extent of the contamination plumes that have already migrated offsite and the extent of contamination present in onsite soil and groundwater. Following the well installation, AEG performed monitoring of the well network and made repairs to damaged wells.

- **Offsite Well Installation and Well Water Sampling**
  The offsite wells were installed between February 27 and March 1, 2012 (see **Section 4.0**) and sampled during March 2012 (see **Section 6.0**). With the installation of the new wells, the monitoring well network associated with the Site appears to encompass the contaminant plumes at the Site, with the possible exception of the TPHd plume in the vicinity of MW-6. MW-6 was the only monitoring well that was reported to contain any of the constituents analyzed for during March 2012. The groundwater elevation data collected during March 2012, which corroborates the data collected during November 2011, indicates the general direction of shallow groundwater flow in the vicinity of the Site is to the northwest.

- **Onsite Soil and Groundwater Sampling**
  The onsite soil and groundwater samples were collected between March 26 and 29, 2012 (see **Sections 5.0** and **6.0**). The onsite sampling indicates that there is minor soil contamination onsite and widespread low level groundwater contamination onsite. The primary source of the contamination appears to be the former onsite diesel aboveground storage tank. The onsite domestic well does not appear to be impacted by the contaminant plumes. The Walker Woods Property does not appear to be a source of the contamination observed onsite; however, there does appear to be a small TPHd plume on the Walker Woods Property that is independent of the onsite contamination.

- **September 2012 Well Water Sampling**
  During September 2012, AEG found monitoring wells MW-2, MW-3, and MW-10 to be inaccessible and extraction wells EW-1 and EW-2 to be damaged (see **Section 7.0**). Temporary repairs were made to the damaged wells and groundwater samples were collected from the accessible wells. Only the sample collected from EW-2 was analyzed for hydrocarbons and no positive hydrocarbon results were reported.

- **October 2012 Well Repairs and Water Sampling**
  During October 2012, AEG performed field activities to locate, uncover, and/or repair the wells found to be damaged or inaccessible during September 2012 (see **Section 8.0**). MW-2 and EW-2 were able to be repaired; however, MW-3 and EW-1 were sufficiently damaged that they were removed and replaced. Following the repairs to the wells, groundwater samples were collected from the well network. The only positive analytical results were minor concentrations of TPHd in MW-3 and MW-6.

- **Summary of Conclusions and Recommendations**
  Based on data and field observations AEG has concluded onsite soil and groundwater is contaminated with TPHd and TPHmo; however, the contamination no longer appears to be offsite, and the main source of the TPHd contaminations appears to be the former diesel aboveground storage tank. AEG recommends the Site's existing monitoring wells continue to be monitored and monitoring wells be installed onsite. A full list of AEG's conclusions and recommendations are shown in **Section 10.0**.

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LIST OF ABRIEVIATIONS

1,2-DCA	1,2-dichloroethane
7 Oxys	Seven Oxygenates (MTBE, DIPE, ETBE, TAME, TBA, methanol, and ethanol)
AEG	Applied Engineering and Geology, Inc.
APN	Assessors Parcel Number
bgs	Below Ground Surface
Band	Rincon Band of San Luiseño Indians
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
CDMG	California Division of Mines and Geology
DIPE	Diisopropyl Ether
DO	Dissolved Oxygen
DOT	Department of Transportation
EDB	1,2-dibromoethane
EPA	Environmental Protection Agency
ESL	Environmental Screening Level
ETBE	Ethyl Tert Butyl Ether
GPS	Global Positioning System
GSE	Groundwater Surface Elevation
HSA	Hollow Stem Auger
MCL	Maximum Contaminant Level
MRL	Method Reporting Limit
MTBE	Methyl Tert Butyl Ether
ORP	Oxygen Reduction Potential
Phase I	AEG's *Phase I Environmental Site Assessment*, dated August 4, 2011
PID	Photo Ionization Detector
ppb	Parts per Billion
ppm	Parts per Million
RV	Recreational Vehicle
SM	Standard Method
SRE	Supervising Rig Engineer
SVOCs	Semi-volatile Organic Compounds
TAME	Tert Amyl Methyl Ether
TBA	Tert Butanol
TDS	Total Dissolved Solids
TPHd	Total Petroleum Hydrocarbons as Diesel
TPHg	Total Petroleum Hydrocarbons as Gasoline
TPHmo	Total Petroleum Hydrocarbons as Motor Oil
USCS	United Soil Classification System
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

Applied Engineering and Geology, Inc. (AEG) was contracted by the Rincon Band of San Luiseño Indians (Band) to perform an additional investigation, as recommended in AEG's *Report of Soil and Groundwater Sampling, Monitoring Well Installation, and Aquifer Testing*, dated December 19, 2011, for the Rincon Mushroom Farm (Site) identified as APN 133-180-020, a 5+/- acre parcel located at 33777 Valley Center Road, Valley Center, San Diego County, California 92082 (see **Figure 1**). During the initial Site investigation, AEG concluded that groundwater in the vicinity of the Site was impacted with petroleum range hydrocarbons, and the Site was potentially the source of the contamination. Therefore, AEG recommended defining the extent of soil and groundwater plumes both onsite and offsite.

AEG submitted a *Workplan for Offsite Well Installation and Onsite Soil and Groundwater Sampling* (Workplan), dated February 3, 2012, to perform the additional investigation. The Workplan was approved by the Band on February 15, 2012.

The fieldwork portion of this investigation was performed between February 27 and March 1, 2012 (offsite well installation) and March 26 and March 31, 2012 (onsite borehole sampling and well development and sampling).

Additionally, AEG was contracted to perform Site monitoring during September 2012. Upon arriving at the Site, AEG found monitoring wells MW-2, MW-3, and MW-10 to be inaccessible and extraction wells EW-1 and EW-2 to be damaged. It was later determined that MW-2 and MW-3 were also damaged. AEG temporarily secured the damaged wells and sampled the accessible wells during this monitoring event.

AEG returned to the Site in October 2012 to locate and repair the inaccessible wells and collected groundwater samples.

2.0 SITE DESCRIPTION

2.1 Physical Description

The Site consists of approximately 5 acres located at 33777 Valley Center Road, Valley Center, San Diego County, California 92082. The Site is privately held fee land that lies within the Rincon Band of San Luiseño Indians Reservation (Reservation). The Site is rectangular in shape with dimensions of approximately 370 feet (east-west) by 595 feet (north-south) (see **Figures 1** and **2**). The Site and immediate surrounding property is relatively flat. Beyond the relatively flat region, the terrain becomes more mountainous. Additionally, precipitation surface drains to the west and northwest. Surface water on the Site appears to drain in different directions on different parts of the Site; however, there are storm gutters along the south and southeast sides of the Site that appear to channel the surface water to the southeast corner of the Site.

No utilities were observed on the Site; however, overhead electrical lines run along the west and north sides of the Site and communication lines appear to run under Valley Center Road to the west of the Site. Based on discussions with area residents, the Site does have a septic system located near the western edge of the southern half of the Site; however, the exact location could not be determined.

The surface of the Site is comprised of soil on the north half and asphalt and concrete on the south half.

At the time of a Site inspection, on July 6, 2011, the Site was fenced on all sides. Two vehicle access points were observed on the west side of the Site opening onto Valley Center Road. There are two structures on the Site, that appear to be completed modular structures; as well as, 11 pieces of modular structures that have not been assembled, approximately six RVs, up to four cargo containers of various lengths, approximately 10 automobile and semi-tractor pulled trailers, up to three semi-tractor cabs, and at least four cars. There are also miscellaneous debris and storage areas throughout the Site. The current use of the Site appears to be a residence and industrial storage.

2.2 Geology / Hydrogeology

The Site is located in the southernmost portion of the Pauma Valley, located in the Santa Ana Mountains. The Pauma Valley is underlain by surficial sediments consisting of alluvium and colluvium materials which are underlain by bedrock.

The bedrock that underlies the alluvium and colluvium; as well as, what is exposed in the Santa Anna Mountain ranges, to the east and west of the Site, is mainly composed of sedimentary and igneous bedrock of Cretaceous to Jurassic geologic age, although some metasedimentary bedrock is also present. The bedrock within the Santa Ana Mountains formed northwest-southeast trending ranges and alluvium-filled valleys as part of global tectonic events.

Bedrock of the Cretaceous geologic age is identified as granitic rocks and basic intrusive rocks by the CDMG (1965). The granitic rocks are characterized as tonalite and diorite. The basic intrusive rocks are characterized as gabbro.

Bedrock of the Jurassic geological age is identified as marine sedimentary and metasedimentary rocks; as well as, metasedimentary rocks by the CDMG (1965). The marine sedimentary and metasedimentary rocks are characterized as interbedded metashale, slate, quartzite, graywacke, local conglomerate, and limestone. Metasedimentary rocks are characterized as interbedded schist, local amphibolite, and gneiss.

The subsurface geology encountered during the placement of boreholes and wells for this investigation was predominantly coarse grained sedimentary soils. Based on the borehole logs, the subsurface geology is predominantly interbedded layers of fine, medium, and coarse grained alluvium deposited sands originating from the erosion of the surrounding hills during what appears to be high energy deposits. Minor lenses of fine grained material were also encountered. These minor lenses were encountered infrequently, are minimal in thickness, and do not appear to be continuous.

The primary aquifers are found in the alluvium. Groundwater within bedrock generally occurs in secondary porosity associated with near surface fracturing. Groundwater has been encountered between 10.8 and 16.9 feet bgs in the offsite groundwater monitoring wells. These monitoring wells are installed in the alluvium. The direction of groundwater flow has been observed from North 39° West to North 44° West with a calculated gradient of 0.005 feet per foot.

Surface water features that occur on or adjacent to the Reservation include the San Luis Rey River which traverses through the center of the Reservation. The confluences of Yuima Creek and Potrero Creek with the San Luis Rey River are located to the north of the Reservation. The confluence of Hell Creek and Paradise Creek is located to the south of the Reservation and Paradise Creek flows into San Luis Rey River within the Reservation.

Stormwater runoff flows towards the San Luis Rey River. Yuima Creek and Potrero Creek flow west toward the San Luis Rey River. The San Luis Rey River flows to the north through the Reservation. North of the Reservation, the San Luis Rey River bends sharply to the west on its outlet path towards the Pacific Ocean.

2.3 Site Use and History

Based on information obtained to prepare AEG's *Phase I Environmental Site Assessment*, dated August 4, 2011, the Site was undeveloped through 1975, and the first development occurred between 1975 and 1989. During this time span, two buildings were built on the southern half of the Site. No additional construction is apparent from 1989 through 2005. Between 1995 and 2005, the Site appears to have been used for industrial storage and other commercial uses. During 2007, a wildfire destroyed both of the structures and most of the other property on the Site.

Historically, the Site has been used as a mushroom farm, citrus fruit packing facility, and also contained apartments.

2.4 Adjoining Site Use and History

The property immediately south of the Site is an empty parcel, and residences are located to the east and north of the Site. Although the parcel to the east currently supports several single family residences, it appears to have been used for commercial/industrial uses in the past, including raising poultry and building cabinets. To the west of the Site is Harrah's Rincon Casino. The Casino was built between 1996 and 2002, and includes a large hotel and wastewater treatment facility.

Based on information obtained to prepare the Phase I, there have been limited agricultural activities in the vicinity of the Site since the 1950's. There may have been a chicken farm on the property to the east of the Site during the 1970's and a wood products company in 1988. Significant development of the area did not begin until the 1980's.

3.0 PREVIOUSE INVESTIGATION

During October 2007, a wildfire burned the Site, creating a significant amount of debris and waste onsite. In addition, a diesel aboveground storage tank burst during the fire, and it is believed that approximately 1,000 gallons of diesel fuel was released when the tank burst. The condition of the Site after the fire was documented in an Indian Health Services, Escondido District Office, Letter, dated January 18, 2008.

During 2008, United States EPA performed an investigation and surface cleanup of the Site. The cleanup included removal of debris, ash, and soil identified to be contaminated from the Site. This cleanup was reported in the EPA's *Letter Report, Mushroom Express Assessment*, dated September 4, 2008.

During the Third Quarter 2011, AEG performed a Phase I Environmental Site Assessment of the Site, at the request of the Band, to evaluate the impact to groundwater from wastes at the Site. As documented in AEG's Phase I, the investigation identified numerous existing and potential hazardous wastes on the Site and AEG recommended an additional investigation be performed at the Site.

AEG submitted a *Workplan for Soil and Groundwater Sampling, Monitoring Well Installation, and Aquifer Testing*, dated August 9, 2011, to the Band to perform the investigations recommended in the Phase I. The Band approved the Workplan and the field work portion of the investigation was conducted during October and November 2011. As reported in AEG's *Report of Soil and Groundwater Sampling, Monitoring Well Installation, and Aquifer Testing*, dated December 19, 2011, the investigation identified a large plume of fuel range petroleum hydrocarbon impacted groundwater at the perimeter of the Site. No onsite investigation was performed at this time and the extent of the plume was not defined. AEG recommended an onsite investigation be performed and additional monitoring wells be installed around the perimeter of the Site.

4.0 OFFSITE MONITORING AND EXTRACTION WELL INSTALLATION

AEG performed field activities between February 27 and March 1, 2012 to install seven monitoring wells and two extraction wells around the perimeter of the Site. The wells (MW-4 through MW-10, EW-1, and EW-2) were installed in areas that were suspected to contain elevated levels of contamination, and along the projected extent (zero line) of the known contaminant plumes.

Two extraction wells (EW-1 and EW-2) were installed (in place of monitoring wells) to allow for higher extraction rates in those wells if groundwater remediation is employed in the future.

4.1 Well Locations

The monitoring and extraction well locations are shown on **Figure 3**. A description of the locations of the wells installed as part of this investigation is as follows:

- MW-4 – East of Harrah's Rincon Casino, west of Valley Center Road;
- MW-5 – North of the Site, along Morales Road;
- MW-6 – East of the Site, in center of Walker Woods Property;
- MW-7 – Near southeast corner of Site, in southwest corner of Walker Woods Property;
- MW-8 – East of the Site, in southeast corner of Walker Woods Property;
- MW-9 – South of the Site, east of Valley Center Road;
- MW-10 – Southwest of Site, in southeast corner of Harrah's Rincon Casino south parking lot;
- EW-1 – Near southwest corner of Site, immediately south of Site; and,
- EW-2 – Near southeast corner of Site, immediately south of Site.

4.2 Drilling Procedures

A rotary drill rig, employing 8-inch diameter HSAs, was used to advance nine boreholes to total depths ranging from 26 to 29 feet bgs. The monitoring and extraction well as-built diagram is shown in **Figure 4** and **Appendix B** and the well construction details are shown in **Table 1**.

While advancing the boreholes, the SRE observed the work and compiling a record of events as they occurred. The SRE monitored the air using a PID to detect the presence of volatile hydrocarbons and recorded approximate depths of observations.

All parts of the equipment that went into the ground were pressure washed with clean water prior to the rig starting drilling activities and washed again before starting each new well. All water used for decontamination was temporarily stored in 55-gallon DOT approved drums, until it was disposed of at the Harrah's Rincon Waste Water Treatment Facility. Drill cuttings were also placed in 55-gallon DOT approved drums and remains the property of the Client.

Due to soil conditions at the Site (flowing/heaving sands), it was necessary to inject water into the wells while they were being drilled and constructed. Between 18 and 56 gallons of potable water was injected into each well during drilling.

Table 1: Monitoring and Extraction Well Construction Details

Well Name	Borehole Total Depth (ft)	Casing Total Depth (ft)	Casing Diameter (in)	Slot Size	Screen Interval (ft)	Filter Pack Interval (ft)
MW-4	27	25.0	2	0.020	5.0-25.0	4-25.0
MW-5	27	25.0	2	0.020	5.0-25.0	4-25.0
MW-6	27	25.0	2	0.020	5.0-25.0	4-25.0
MW-7	27	25.0	2	0.020	5.0-25.0	4-25.0
MW-8	27	25.0	2	0.020	5.0-25.0	4-25.0
MW-9	29	25.0	2	0.020	5.0-25.5	3.5-25.0
MW-10	27	25.0	2	0.020	5.0-25.0	4-25.0
EW-1*	26	25.0	2	0.020	5.0-25.0	4-25.0
EW-2	27	25.0	2	0.020	5.0-25.5	3.5-25.0

* EW-1 was removed and replaced in October 2012 due to the well having been damaged.

4.3 Soil Sampling

Soil samples were collected from the drill cuttings for geologic classification purposes only and no soil samples were retained for laboratory analysis. A description of the soil cuttings observed is included in the borehole logs (see **Appendix B**).

4.4 Monitoring Well Installation

Once each borehole had been advanced to its total depth, it was completed as a 2-inch diameter groundwater monitoring or extraction well. Seven of the boreholes were completed as monitoring wells with 20 feet of 2-inch diameter schedule 40 PVC factory slotted well screen, with 0.020 inch slots. Two of the boreholes were completed as extraction wells with 20 feet of 2-inch diameter schedule 40 PVC wire wound well screen, with 0.020 inch slots. The screen was flush threaded to schedule 40 blank PVC casing extending to the surface for both the monitoring and extraction wells.

After the screen was positioned at the proper depth, the materials that fill the annular space surrounding the casing were added through the augers. A filter pack of #3 sand was placed around the screen to approximately one foot above the top of the screen slots. Following placement of this sand, the well was surged to assure the sand had settled and no voids were in the sand column. Following surging, the depth to top of sand was measured and enough sand was added to again have approximately one foot above the top of the slotted screen.

A bridge of granular bentonite was placed on top of the filter pack and hydrated. The bridge has a thickness of approximately one foot. One to one and a half feet of bentonite grout was then placed on top of the granular bentonite. The remaining annular space of the borehole was sealed with concrete to prevent surface infiltration into the well. This concrete was placed from the top of grout to the ground surface.

The surface completion of the monitoring and extraction wells consists of a flush mounted traffic rated road box set in concrete. An as-built schematic of the wells is presented in **Figure 4**.

4.5 Well Development

AEG performed field activities from March 26 through 28, 2012 to development the newly installed monitoring and extraction wells. The wells were surged to draw fine materials into the well so they could be removed by pumping. The purge volume of each well varied depending on how much water had been added during its drilling and construction. The well purge volumes are as follows:

- MW-4, MW-5, MW-6, MW-7, and MW-10: 250 gallons;
- MW-8 and MW-9: 180 gallons;
- EW-1 – 560 gallons; and,
- EW-2 – 300 gallons.

The water purged from all nine wells had become clear by the end of the development. The water produced by development was discharged to the Harrah's Rincon Waste Water Treatment Facility. Copies of the purge data sheets are included in **Appendix C**.

4.6 Survey of Wells

On March 29, 2012, the entire monitoring and extraction well network associated with the Site was surveyed by Sampo Engineering, Inc. for latitude, longitude, and elevation. A copy of the survey data is included in **Appendix F**. The wells were surveyed relative to the NAVD88 vertical datum. The elevations surveyed by Sampo Engineering, Inc. have been used to replace the elevations of MW-1, MW-2, and MW-3 surveyed by AEG, which were relative to an assumed datum. Prior to surveying the wells, the top of each well casing was notched on the north side. This notch was the point on the casing which was surveyed.

5.0 ONSITE BOREHOLE DRILLING AND SOIL SAMPLING

AEG performed field activities between March 26 through 29, 2012, which included soil and groundwater sampling of boreholes placed on the Former Rincon Mushroom Farm property (Site). On the morning of March 26, 2012, AEG was informed by Steve (Site tenant) that AEG did not have permission to enter the Site. The Band supplied a Court Order (see **Appendix F**) ordering that the Band and AEG be granted access to the Site and Steve (Site tenant) allowed AEG to access the Site.

A total of 15 boreholes were advanced, to depths ranging from 15 to 24 feet, for the collection of soil and groundwater samples. The analysis performed at each sample location is shown in **Table 2** and **3**.

Table 2: Onsite Borehole Soil Sampling Analysis		
Analysis	Method	Hold Time
Boreholes: B-22, B-24, B-28, and B-30		
TPHg, BTEX, 7 Oxys, Full List VOCs	EPA 8260B	14 days
TPHd and TPHmo	EPA 8015M	14 days
SVOCs	EPA 8270C	14 days
CAM 17 Metals	EPA 6010B	28 days
Chlorinated Herbicides	EPA 8151A	14 days
Organochlorine Pesticides	EPA 8081A	14 days
Organophosphorus Pesticides	EPA 8141A	14 days
Coliform: Total, Fecal, E.coli	SM 9221	24 hours
Boreholes: B-19, B-20, B-21, B-23, B-25, B-26, B-27, B-29, B-31, B-32, and B-33		
TPHg, BTEX, 7 Oxys, Lead Scavengers	EPA 8260B	14 days
TPHd and TPHmo	EPA 8015M	14 days

TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel
TPHmo = Total petroleum hydrocarbons as motor oil
BTEX = Benzene, toluene, ethylbenzene, and xylenes
7 Oxys = Methyl tert butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tert butyl ether (ETBE), tert amyl methyl ether (TAME), tert butanol (TBA), methanol, and ethanol.
VOCs = Volatile organic compounds
SVOCs = Semi-volatile organic compounds
CAM 17 Metals = Silver, arsenic, barium, beryllium, cadmium, cobalt, chromium, copper, mercury, molybdenum, nickel, lead, antimony, selenium, thallium, vanadium, and zinc.
Lead Scavengers = 1,2-Dichloroethane (1,2-DCA) and 1,2-Dibromomethane (EDB)

Table 3: Onsite Borehole Groundwater Sampling Analysis		
Analysis	Method	Hold Time
Boreholes: B-22, B-24, B-28, and B-30		
TPHg, BTEX, 7 Oxys, Full List VOCs	EPA 8260B	14 days
TPHd and TPHmo	EPA 8015M	14 days
SVOCs	EPA 8270C	7 days
CAM 17 Metals	EPA 6010B	24 hours
General Minerals	Various	24 hours
Chlorinated Herbicides	EPA 8151A	7 days
Organochlorine Pesticides	EPA 8081A	7 days
Organophosphorus Pesticides	EPA 8141A	7 days
Coliform: Total, Fecal, E.coli	SM 9221	24 hours
Boreholes: B-19, B-20, B-21, B-23, B-25, B-26, B-27, B-29, B-31, B-32, and B-33		
TPHg, BTEX, 7 Oxys, Lead Scavengers	EPA 8260B	14 days
TPHd and TPHmo	EPA 8015M	14 days

TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel
TPHmo = Total petroleum hydrocarbons as motor oil
BTEX = Benzene, toluene, ethylbenzene, and xylenes
7 Oxys = Methyl tert butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tert butyl ether (ETBE), tert amyl methyl ether (TAME), tert butanol (TBA), methanol, and ethanol.
VOCs = Volatile organic compounds
SVOCs = Semi-volatile organic compounds
CAM 17 Metals = Silver, arsenic, barium, beryllium, cadmium, cobalt, chromium, copper, mercury, molybdenum, nickel, lead, antimony, selenium, thallium, vanadium, and zinc.
Lead Scavengers = 1,2-Dichloroethane (1,2-DCA) and 1,2-Dibromomethane (EDB)

5.1 Borehole Locations

All boreholes were placed within 10 feet of the proposed locations submitted to the Band by AEG, in an Email dated March 5, 2012 (see **Appendix F**), following the onsite meeting held on February 27, 2012. The borehole locations are shown on **Figure 5** and are described below.

- B-19 - Southwest corner of Site;
- B-20 - South center of Site;
- B-21 - Southeast corner of Site;
- B-22 - West side of Site;
- B-23 - Center of Site;
- B-24 - East side of Site;
- B-25 - West side of Site;
- B-26 - Center of Site;
- B-27 - East side of Site;
- B-28 - West side of Site;
- B-29 - Center of Site;
- B-30 - East side of Site;
- B-31 - Northwest corner of Site;
- B-32 - North center of Site; and,
- B-33 - Northeast corner of the Site.

5.2 Drilling Procedures

Field activities were performed from March 26 through 29, 2012 to oversee the drilling of boreholes at the Site. All 15 boreholes were advanced using a rotary drill rig employing 6-inch diameter HSAs. While advancing the boreholes, the SRE was onsite observing the work and compiling a record of events as they occurred. The SRE monitored the air using a PID to detect the presence of volatile hydrocarbons and recorded approximate depths of observations. Copies of the borehole logs are included in **Appendix B.**

All parts of the equipment that went into the ground were pressure washed with clean water prior to the rig coming onsite and washed again before starting each new borehole. All water used for decontamination was temporarily stored in 55-gallon DOT approved drums, until disposed of at the Harrah's Rincon Waste Water Treatment Facility. Drill cuttings were also placed in 55-gallon DOT approved drums and remains the property of the Client.

Following the collection of soil and groundwater samples, each borehole was grouted to within one and one half feet of the surface using bentonite grout with the augers acting as a tremie. The remaining space in the borehole was filled with either native soil or concrete, to match the surrounding surface.

5.3 Soil Sampling

Soil samples were collected from each borehole for laboratory analysis. Additionally, soil samples were collected from the drill cuttings for geologic classification purposes only. The SRE recorded sample depths and other information acquired during the drilling, including a description of the soil and its USCS symbol. Each sample was examined visually and with a PID to determine the presence of volatile hydrocarbons or other obvious types of contamination.

One soil sample was collected and retained from each borehole for laboratory analysis. All of these samples were collected within the vicinity of the top of the groundwater table. In several of the boreholes, the soil sample depth was raised or lowered one to two feet from the intended sampling depth due to the presence of cobles at that depth.

Soil samples were collected through the HSAs by driving a split spoon sampler using a 140 pound drop hammer in five of the boreholes. After the fifth borehole, the drop hammer on the drill rig malfunctioned and could not be repaired onsite. Therefore, the remaining soil samples were collected by driving a split spoon sampler using hydraulics and the weight of the drill rig. All sampling equipment was properly cleaned and rinsed prior to use. The soil samples were collected in 6-inch long by 2-inch diameter stainless steel tubes.

All soil samples retained for analysis remained in their stainless steel tube, had their ends trimmed, were covered with Teflon® sheets, plastic caps, and wrapped with tape. The samples were then labeled, stored in a chilled ice chest, and transported under strict chain-of-custody for analysis by Kiff Analytical, LLC, 2795 Second Street, Suite 300, Davis, CA 95616. Samples were transferred from AEG to a Kiff courier at the Site. Soil samples retained for analysis were analyzed as shown in **Tables 2**. Select analytical results for borehole soil sample are shown in **Table 4** and on **Figure 6**. The laboratory analytical reports are included in **Appendix D**.

Due to an error on the chain of custody, the soil sample collected from B-25 was additionally analyzed for coliforms, outside the scope of work in the Workplan.

Table 4: Select Analytical Results of Soil Samples Collected from Onsite Boreholes
Only Positive Results are Shown for Hydrocabon Analyses and Only Arsenic and Vanadium Values are Shown for for Metal Analyses. All Results in Parts Per Million (ppm)

Sample	Date	TPHd	TPHmo	Ethanol	Arsenic	Vanadium
MCL		None	None	None	0.39	None
ESL		83	370	None	0.39	16
B-19@15'	03/26/12	<1.0	<10	<0.050	- - -	- - -
B-20@15'	03/26/12	<1.0	<10	<0.050	- - -	- - -
B-21@15'	03/26/12	<1.0	<10	<0.050	- - -	- - -
B-22@9'	03/27/12	<1.0	<10	<0.050	0.96	43
B-23@13'	03/26/12	1.3	<10	<0.050	- - -	- - -
B-24@9'	03/27/12	23	<10	<0.050	<0.75	21
B-25@9'	03/27/12	<1.0	<10	<0.050	- - -	- - -
B-26@9'	03/29/12	<1.0	<10	<0.050	- - -	- - -
B-27@9'	03/29/12	<1.0	<10	<0.050	- - -	- - -
B-28@9'	03/28/12	<1.0	<10	<0.050	<0.75	21
B-29@9'	03/28/12	<1.0	<10	<0.050	- - -	- - -
B-30@9'	03/28/12	<1.0	<10	0.10	<0.75	24
B-31@9'	03/28/12	13[1]	68	<0.050	- - -	- - -
B-32@10'	03/29/12	<1.0	<10	<0.050	- - -	- - -
B-33@9'	03/29/12	<1.0	<10	<0.050	- - -	- - -

MCL = Maximum Contaminant Levels, Region 9 Regional Screening Levels, Resident Soil
ESL = Environmental Screening Levels, San Francisco Regional Water Quality Control Board, Shallow Soil, Residential Land Use
TPHd = Total petroleum hydrocarbons as diesel
TPHmo = Total petroleum hydrocarbons as motor oil
- - - = Not analyzed for
[1]Laboratory Note: "Hydrocarbons are higher-boiling than typical Diesel Fuel."

Three of the borehole soil samples collected during March 2012 were reported to contain TPHd above its MRL, one sample was reported to contain TPHmo above its MRL, and one sample was reported to contain ethanol above its MRL. None of the borehole soil samples were reported to contain TPHg, any of the BTEX constituents, any of the 7 Oxys, or lead scavengers (1,2-DCA and EBD) above their MRLs.

Arsenic and vanadium were included in **Table 4** because both metals were reported at concentrations that exceed the California Regional Water Quality Control Board ESLs (Residential Land Use) of 0.39 ppm and 16 ppm, respectively. It should be noted, the soil sample collected from B-22 was also reported to contain arsenic concentrations that exceed the United States Environmental Protection Agency Region 9, Regional Screening Level (Screening Level) for arsenic in resident soil, which is 0.39 ppm. None of the other metals analyzed for were reported above either their ESLs or Screening Levels in any of the borehole soil samples analyzed for metals.

When compared to the offsite soil samples collected by AEG during October 2011 (reported in AEG's *Report of Soil and Groundwater Sampling, Monitoring Well Installation, and Aquifer Testing*, dated December 19, 2011), the onsite arsenic in soil concentrations do not appear to be elevated above what could be considered "Background" concentrations.

None of the soil samples collected from the boreholes with additional analysis (B-22, B-24, B-28, and B-30) were reported to contain any of the VOCs, SVOCs, herbicides, pesticides, and coliform analytes analyzed for at concentration above their MRLs, with the exception of ethanol (B-30@9' - 0.10 ppm).

5.4 Survey of Boreholes

Following the drilling of the boreholes their latitude (x) and longitude (y) locations were surveyed by AEG using a handheld GPS unit. The elevations (z) of the boreholes were not surveyed.

6.0 MARCH 2012 WELL AND BOREHOLD WATER SAMPLING

AEG performed field activities from March 26 through 29, 2012 to collect groundwater samples from the monitoring and extraction wells and the onsite boreholes. One groundwater sample was collected from each of the 12 wells and 15 boreholes. The samples collected from the newly installed wells were collected following their development and the samples collected from the three existing monitoring wells were collected following a traditional three well volume purge of each well. The samples collected from the boreholes were direct samples without any purging of the boreholes. Additionally, a water sample was collected from the onsite domestic well.

6.1 Groundwater Measurements

Depth to water measurements were collected from all twelve wells before they were purged. The elevation of the groundwater was calculated by subtracting the depth to groundwater in the wells from the elevation of the top of the PVC casing. Groundwater elevation data is shown in **Table 5**.

While depth to water measurements were collected from the boreholes, the water table was not at equilibrium due to the drilling activities. Therefore, the borehole depth to water data was not used to generate groundwater contours. Borehole depth to water data is shown on the borehole logs included in **Appendix B**.

Table 5: Groundwater Elevation Data Collected March 26 through 29, 2012

Well	Casing Elevation (ft)	Depth to Water (ft)	Elevation of Water (ft)	Direction of Groundwater Flow	Gradient (ft/ft)
MW-1	863.91	11.21	852.70	North 39° West	0.005
MW-2	865.90	12.44	853.46		
MW-3	863.36	10.88	852.48		
MW-4	862.63	10.95	851.68		
MW-5	866.97	14.13	852.84		
MW-6	868.85	14.38	854.47		
MW-7	868.67	13.58	855.09		
MW-8	869.91	13.99	855.92		
MW-9	868.55	13.24	855.31		
MW-10	866.70	12.42	854.28		
EW-1	866.77	12.35	854.42		
EW-2	867.52	12.21	855.31		

As shown in **Figure 7**, the averaged direction of groundwater flow for the week of March 25, 2012 was **North 39° West** with a gradient of approximately **0.005 feet per foot (ft/ft)**.

6.2 Groundwater Sampling

6.2.1 Offsite Well Groundwater Sampling

Prior to the collection of monitoring and extraction well groundwater samples, each well was purged of at least three well volumes. The temperature, pH, conductivity, ORP, TDS, and DO of the purge water were measured and recorded. DO levels were collected before purging and again following the collection of groundwater samples. Well purge data sheets are included in **Appendix C**.

All monitoring and extraction well samples collected were analyzed by EPA Method 8260B for TPHg, BTEX, and MTBE and by EPA Method 8015M for TPHd and TPHmo. All samples were collected using disposable polyethylene bailers.

All groundwater samples were placed in the appropriate containers and preserved with the appropriate preservatives. Groundwater samples were stored in a chilled ice chest and transported under strict chain-of-custody to Kiff Analytical, LLC (a State of California certified analytical laboratory) for analysis. Samples were transferred from AEG to a Kiff courier at the Site. Select groundwater contaminant analytical results are shown in **Tables 6**, **7**, and **8** and on **Figure 8**. The laboratory analytical reports are included in **Appendix D**.

The only positive analytical result reported in the March 2012 offsite monitoring and extraction well samples was 57 ppb of TPHd in MW-6. It should be noted that this result was noted as being atypical[1] by the laboratory.

6.2.2 Onsite Borehole Groundwater Sampling

After each borehole had been advanced to total depth, AEG collected a groundwater sample using disposable bailers. The boreholes were not purged before sampling. The borehole groundwater samples were analyzed as shown in **Table 3**.

Due to an error on the chain of custody, the groundwater sample collected from B-25 was additionally analyzed for chloride, nitrate, sulfate, and coliforms, outside the scope of work in the Workplan.

On March 29, 2012, AEG collected a water sample from the onsite domestic well with Steve (Site tenant) in observance. The water sample was collected from a hose bib on aboveground piping in the vicinity of the wellhead while the pump was in operation. The domestic well sample was analyzed by EPA Method 8260B for TPHg, BTEX, and MTBE and by EPA Method 8015M for TPHd and TPHmo.

All groundwater samples were placed in the appropriate containers and preserved with the appropriate preservatives. Groundwater samples were stored in a chilled ice chest and transported under strict chain-of-custody to Kiff Analytical, LLC (a State of California certified analytical laboratory) for analysis. Samples were transferred from AEG to a Kiff courier at the Site. Select groundwater contaminant analytical results are shown in **Tables 6**, **7**, and **8** and on **Figure 8**. The laboratory analytical reports are included in **Appendix D**.

All of the onsite borehole groundwater samples were reported to contain TPHd above its MRL, five of the samples were reported to contain TPHmo above its MRL, and two of the samples were reported to contain benzene above its MRL. Five of the samples were reported to contain TPHd at or above its screening level, which is 100 ppb. The highest TPHd concentration was reported in sample B-24, which was collected in the vicinity of the former onsite diesel aboveground storage tank, with additional elevated concentrations on the western side of the Site. The highest TPHmo concentration was reported in sample B-25, which was collected on the western side of the Site. The two samples reported to contain benzene (B-28 and B-32) were collected from the northern half of the Site.

None of the borehole groundwater samples were reported to contain TPHg, any of the seven oxygenates, or lead scavengers above their MRLs.

[1] The laboratory will note sample results as atypical when the results are in the correct range (response times) for a compound, but do not exhibit the expected characteristics (response values) of the compound. In this specific instance, the laboratory noted discrete ("atypical") peaks in the diesel range.

All four of the groundwater samples collected from the boreholes with additional analysis (B-22, B-24, B-28, and B-30) were reported to contain several metals (shown in **Table 7** and **8**) above their Screening Levels and ESLs.

When compared to the offsite groundwater samples collected by AEG during October 2011 (reported in AEG's *Report of Soil and Groundwater Sampling, Monitoring Well Installation, and Aquifer Testing*, dated December 19, 2011), the onsite arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc in groundwater concentrations appear to be elevated.

None of the groundwater samples collected from the boreholes with additional analysis (B-22, B-24, B-28, and B-30) were reported to contain any of the VOCs (aside from benzene), SVOCs, herbicides, pesticides, and coliform analytes analyzed for at concentration above their MRLs.

The general mineral analytical results for the borehole groundwater samples were reviewed by AEG in an effort to determine is if there were any mineral contamination plumes (such as those caused by fertilizers) present in groundwater beneath the Site. None of the results appear to be elevated when compared to the other general mineral results for the Site. Therefore, AEG concluded that the general mineral analytical results did not indicate any additional obvious areas of concern (such as fertilizer contamination).

The onsite domestic well sample was not reported to contain any of the constituents analyzed for above their MRLs.

Table 6: Select Analytical Laboratory Results of Water Samples Collected March 2012
Only Positive Results are Shown for Hydrocarbon Analysis
All Results in Parts Per Billion (ppb)

Sample	Date	TPHd	TPHmo	Benzene
B-19	03/26/12	52[1]	<100	<0.50
B-20	03/26/12	73[1]	<100	<0.50
B-21	03/26/12	92	<100	<0.50
B-22	03/27/12	56	<100	<0.50
B-23	03/26/12	84[1]	<100	<0.50
B-24	03/27/12	1,100	120	<0.50
B-25	03/27/12	330[1]	360	<0.50
B-26	03/29/12	84[1]	<100	<0.50
B-27	03/29/12	100	<100	<0.50
B-28	03/28/12	220[1]	140	0.61
B-29	03/28/12	97[1]	<100	<0.50
B-30	03/28/12	92[1]	<100	<0.50
B-31	03/28/12	94[1]	100	<0.50
B-32	03/29/12	100[1]	130	0.62
B-33	03/29/12	85[1]	<100	<0.50
Mushroom Domestic	03/29/12	<50	<100	<0.50
MW-1	03/29/12	<50	<100	<0.50
MW-2	03/29/12	<50	<100	<0.50
MW-3	03/29/12	<50	<100	<0.50
MW-4	03/26/12	<50	<100	<0.50
MW-5	03/27/12	<50	<100	<0.50
MW-6	03/27/12	57[2]	<100	<0.50
MW-7	03/28/12	<50	<100	<0.50
MW-8	03/27/12	<50	<100	<0.50
MW-9	03/28/12	<50	<100	<0.50
MW-10	03/26/12	<50	<100	<0.50
EW-1	03/27/12	<50	<100	<0.50
EW-1	03/28/12	<50	<100	<0.50

TPHd = Total petroleum hydrocarbons as diesel
TPHmo = Total petroleum hydrocarbons as motor oil
[1] Laboratory Note: "Hydrocarbons are higher-boiling than typical Diesel Fuel."
[2] Laboratory Note: “Discrete peaks in Diesel range, atypical for Diesel Fuel.”

Table 7: Metals Laboratory Results of Water Samples Collected From Boreholes (Part 1)
Only Select Metals are Shown
All Results in Parts Per Million (ppm)

Sample	Date	Arsenic	Barium	Beryllium	Total Chromium	Cobalt	Copper
MCL		0.01	2	0.004	0.1	None	1.3
ESL		0.036	1	0.00053	0.05	0.003	0.0031
B-22	03/27/12	0.086	5.2	0.0078	0.93	0.30	0.71
B-24	03/27/12	0.046	7.8	0.012	1.1	0.31	0.97
B-28	03/28/12	0.12	12	0.021	1.6	0.40	2.2
B-30	03/28/12	0.033	3.2	0.0044	0.52	0.11	0.38

MCL = Maximum Contaminant Levels, Region 9 Regional Screening Levels
ESL = Environmental Screening Levels, San Francisco Regional Water Quality Control Board, Groundwater, Drinking Water Source

Table 8: Metals Laboratory Results of Water Samples Collected From Boreholes (Part 2)
Only Select Metals are Shown
All Results in Parts Per Million (ppm)

Sample	Date	Lead	Molybdenum	Nickel	Vanadium	Zinc
MCL		0.015	None	None	None	None
ESL		0.0025	0.035	0.0082	0.015	0.081
B-22	03/27/12	0.066	0.037	0.23	2.0	1.5
B-24	03/27/12	0.12	0.016	0.32	2.1	2.4
B-28	03/28/12	0.17	0.025	0.55	3.1	3.1
B-30	03/28/12	0.037	0.032	0.13	0.86	0.91

MCL = Maximum Contaminant Levels, Region 9 Regional Screening Levels
ESL = Environmental Screening Levels, San Francisco Regional Water Quality Control Board, Groundwater, Drinking Water Source

7.0 SEPTEMBER 2012 WELL WATER SAMPLING

AEG traveled to the Site on September 24, 2012 to collect groundwater samples to represent the Third Quarter 2012. Upon arriving at the Site, AEG found that several of the wells were inaccessible or damaged. Therefore, AEG spent time locating wells, securing the damaged wells, and only collected samples from those wells that were accessible.

7.1 Wells Found Inaccessible or Damaged

Monitoring wells MW-2, MW-3, and MW-10 were found to be inaccessible, and both extraction wells were found to be damaged, when AEG arrived at the Site. MW-2 and MW-3 appeared to have been paved over with asphalt during the construction of a new gas station in the vicinity of the wells. It was later determined that MW-2 and MW-3 were also damaged (see **Section 8.1**). MW-10 was found to have a temporary building placed on top of it with insufficient ground clearance to allow the well to be sampled.

A dirt road had been graded in the vicinity of EW-1 and EW-2, which AEG believes to have been the cause of the damage to the extraction wells. EW-1 was found without its surface completion and the PVC casing sheared off below the original ground level (see **Picture 1**). There was evidence of vehicles driving over the well casing, the well was filled with sand to approximately five feet bgs, and the well was open to the atmosphere. EW-2 was found without its surface completion; however, the well cap was still in place, the grout column appeared to be intact, and the well was clear of debris to its total depth (see **Picture 2**).

Picture 1: EW-1 Found Damaged

Picture 2: EW-2 Found Damaged

On September 26, 2012, AEG placed a PVC cap over the well casing of EW-1 and buried the well to prevent any additional materials from entering the well, as a temporary measure to secure the well until it could be properly repaired. The well cap on EW-2 was found to be loose, but intact and in place. The well cap was tightened and the lock checked before AEG left the Site.

After evaluating the inaccessible and damaged wells, AEG began making arrangements to repair the wells and sampled those wells that were accessible. Groundwater samples were collected from eight of the wells; however, the full analysis was only performed on the sample collected from EW-2, in an effort to confirm the well had remained sealed at the ground surface. As discussed in **Section 7.3**, the hydrocarbon analysis performed on EW-2 reported none of the constituents analyzed for above their MRLs.

7.2 Groundwater Measurements

Depth to water measurements were collected from eight of the twelve wells (all accessible wells) before they were purged. The elevation of the groundwater was calculated by subtracting the depth to groundwater in the wells from the elevation of the top of the PVC casing. Groundwater elevation data is shown in **Table 9**.

Table 9: Groundwater Elevation Data Collected September 25, 2012

Well	Casing Elevation (ft)	Depth to Water (ft)	Elevation of Water (ft)	Direction of Groundwater Flow	Gradient (ft/ft)
MW-1	863.91	12.79	851.12	Not Calculated	Not Calculated
MW-2	865.90	Not accessible	Not accessible		
MW-3	863.36	Not accessible	Not accessible		
MW-4	862.63	12.57	850.06		
MW-5	866.97	15.70	851.27		
MW-6	868.85	15.92	852.93		
MW-7	868.67	15.11	853.56		
MW-8	869.91	15.56	854.35		
MW-9	868.55	14.55	854.00		
MW-10	866.70	Not accessible	Not accessible		
EW-1	866.77	Well damaged	Well damaged		
EW-2	867.52	13.71	853.81		

7.3 Groundwater Sampling

Groundwater samples were collected from eight of the wells; however, the full analysis was only performed on the sample collected from EW-2, in an effort to confirm the well had remained sealed at the ground surface. Nitrate analysis was additionally performed on MW-4, MW-7, and MW-8. Because of the short hold time for nitrate analysis it was performed by the laboratory before AEG put the remaining analyses on hold.

Prior to the collection of groundwater samples, each well was purged of at least three borehole volumes (to comply with San Diego County's Site Assessment and Mitigation Manual purging guidelines). The temperature, pH, conductivity, ORP, TDS, and DO of the purge water were measured and recorded. DO levels were collected before purging and again following the collection of groundwater samples. Well purge data sheets are included in **Appendix C**.

After consulting with the Band, it was decided the samples would be put on hold, pending a repair schedule for the damaged wells, with the exception of EW-2, which was to be analyzed in an effort to confirm the well had remained sealed at the ground surface.

The sample collected from EW-2 was analyzed by EPA Method 8260B for TPHg, BTEX, and MTBE and by EPA Method 8015M for TPHd and TPHmo. Additionally, the samples collected from MW-4, MW-7, MW-8, and EW-2 were analyzed by EPA Method 300.0 for nitrate as nitrogen.

All samples were collected using disposable polyethylene bailers. All groundwater samples were placed in the appropriate containers and preserved with the appropriate preservatives. Groundwater samples were stored in a chilled ice chest and transported under strict chain-of-custody to Kiff Analytical, LLC (a State of California certified analytical laboratory) for analysis. Samples were transferred from AEG to a Kiff courier at the Site. Analytical laboratory results for groundwater samples are discussed below and the laboratory analytical reports are included in **Appendix D**.

No petroleum range hydrocarbons were reported to be present in the sample collected from EW-2 at concentrations greater than their MRLs. The nitrate as nitrogen analysis performed on MW-4, MW-7, MW-8, and EW-2 were reported with concentrations of 0.17, <0.10, 0.78, and <0.10 ppm, respectively. These nitrate concentrations appear to be consistent with those previously observed in the vicinity of the Site.

On September 27, 2012, AEG was informed by Kiff that the VOA sample containers from wells MW-5, MW-6, and MW-7 were not included with the initial sample shipment to the lab by their courier and the samples had since exceeded their temperature requirement. As previously discussed, no analysis was performed on these samples.

8.0 OCTOBER 2012 WELL REPAIRS AND WATER SAMPLING

AEG returned to the Site on October 8, 2012 to oversee the repairs of the inaccessible and damaged wells and to collect additional samples from the wells. Two wells (MW-3 and EW-1) were found to be damaged to the extent that they needed to be removed and replaced and two wells (MW-2 and EW-2) had only new surface completions installed.

8.1 Well Locating, Uncovering, and Repairing

The top of the road box of MW-2 was erroneously removed before the well was paved over with asphalt. When uncovered, the well was still sealed with a locked expansion cap and the casing and grout column appeared to be intact. Representatives from both AEG and Pacific Drilling concluded the grout column and well casing were intact. The damaged surface completion, and the asphalt immediately around MW-2, was removed and a new surface completion was constructed for the well.

The entire surface completion and the grout column of MW-3 was erroneously removed before the well was paved over with asphalt. The well casing was broken off approximately one and a half feet below the current asphalt surface. The well was open to the atmosphere and sand and gravel were observed within the well casing. It is also likely that asphalt was present within the well casing. The well casing, and its contents, was removed intact as part of the replacement of MW-3. Because of the severity of the damage, MW-3 was removed and replaced in the same location as discussed in **Section 8.2**.

Well MW-10 remained covered with a temporary building during the October 2012 Site visit. AEG was informed the building was scheduled to be removed from the Site at the end of October, after which the well would again be accessible.

Well EW-1 was determined to be damaged to the extent that it could not be repaired (as discussed in **Section 6.1**). Therefore, EW-1 was removed and replaced in the same location as discussed in **Section 8.2**.

Well EW-2 was inspected by representatives from both AEG and Pacific Drilling who concluded the grout column and well casing were intact. Therefore, the well was repaired by constructing a new surface completion on the well.

8.2 Damaged Well Removal and Replacement

MW-3 and EW-1 were damaged severely enough that they could not be repaired. Therefore, both wells were drilled out and replaced at the same locations. The new wells are labeled MW-3a and EW-1a.

Before each well was drilled out, a casing puller was used to remove the PVC casing from the boreholes. The entire remaining length of well casing was removed from MW-3 intact and approximately four feet of well casing was removed from EW-1 before the casing broke off. The casing remaining in EW-1 was ground up and removed by the augers when the well was drilled out.

A rotary drill rig employing 8-inch diameter HSAs was used to drill out the damaged wells. The wells were drilled out to below their total depths before construction of the replacement wells was begun. The replaced monitoring and extraction well as-built diagram is shown in **Figure 9** and the replaced well construction details are shown in **Table 10**.

While advancing the boreholes, the SRE observed the work and compiling a record of events as they occurred. The SRE monitored the air using a PID to detect the presence of volatile hydrocarbons. No soil samples were collected or logged during the drilling.

All parts of the equipment that went into the ground were pressure washed prior to the rig beginning drilling activities and washed with soapy and clean water again before starting each new well. Drill cuttings were placed in 55-gallon DOT approved drums and remains the property of the Client.

Due to soil conditions at the Site (flowing/heaving sands), it was necessary to inject water into the wells while they were being drilled and constructed. Between 30 and 35 gallons of potable water was injected into each well during drilling.

Once each damaged well had been drilled out, a replacement well was installed in the same location. Both replacement wells were completed with 20 feet of 2-inch diameter schedule 40 PVC factory slotted well screen, with 0.020 inch slots. The screen was flush threaded to schedule 40 blank PVC casing extending to the surface for both the monitoring and extraction wells.

Table 10: Replacement Monitoring and Extraction Well Construction Details

Well Name	Borehole Total Depth (ft)	Casing Total Depth (ft)	Casing Diameter (in)	Slot Size	Screen Interval (ft)	Filter Pack Interval (ft)
MW-3a	25½	25.0	2	0.020	5.0-25.0	4.5-25.0
EW-1a	25	24.0	2	0.020	4.0-24.0	3.0-24.0

After the screen was positioned at the proper depth, the materials that fill the annular space surrounding the casing were added through the augers. A filter pack of #3 sand was placed around the screen to approximately one foot above the top of the screen slots. Following placement of this sand, the well was surged to assure the sand had settled and no voids were in the sand column. Following surging, the depth to top of sand was measured and enough sand was added to again have approximately one foot above the top of the slotted screen.

A bridge of granular bentonite was placed on top of the filter pack and hydrated. The bridge has a thickness of approximately one foot. One to one and a half feet of bentonite grout was then placed on top of the granular bentonite. The remaining annular space of the borehole was sealed with concrete to prevent surface infiltration into the well. This concrete was placed from the top of grout to the ground surface. It should be noted, no grout was used in EW-1a. Due to the shallowness of the well screen, the granular bentonite column was made thicker and concrete was placed from the top of the bentonite to the ground surface.

The surface completion of the replacement wells consists of flush mounted traffic rated road box set in concrete. An as-built schematic of the wells is presented in **Figure 9**.

AEG developed the two replacement wells on October 10, 2012. The wells were surged to draw fine materials into the well so they could be removed by pumping. The purge volume of each well was based on the volume of water added to the well during construction and was calculated to be 350 gallons for both MW-3a and EW-1a.

The water purged from both wells had become clear by the end of the development. The water produced by development was discharged to the Harrah's Rincon Waste Water Treatment Facility. Copies of the purge data sheets are included in **Appendix C**.

On November 20, 2012, the elevations of the replacement wells were surveyed by Sampo Engineering, Inc. (see **Appendix F**). The wells were surveyed relative to the NAVD88 vertical datum.

8.3 Groundwater Measurements

Depth to water measurements were collected from eleven of the twelve wells (all accessible wells) on October 10, 2012. These measurements were collected the morning after all of the previously existing wells had been purged (to allow sufficient recovery time) and before the development of the two replacement wells was started. The elevation of the groundwater was calculated by subtracting the depth to groundwater in the wells from the elevation of the top of the PVC casing. Groundwater elevation data is shown in **Table 11**.

Table 11: Groundwater Elevation Data Collected October 10, 2012

Well	Casing Elevation (ft)	Depth to Water (ft)	Elevation of Water (ft)	Direction of Groundwater Flow	Gradient (ft/ft)
MW-1	863.91	13.46	850.45	North 43° West	0.005
MW-2	865.90	15.60	850.30		
MW-3a	863.37	13.08	850.29		
MW-4	862.63	13.22	849.41		
MW-5	866.97	16.32	850.65		
MW-6	868.85	16.58	852.27		
MW-7	868.67	16.81	851.86		
MW-8	869.91	16.30	853.61		
MW-9	868.55	15.36	853.19		
MW-10	866.70	Not accessible	Not accessible		
EW-1a	866.38	14.13	852.25		
EW-2	867.52	14.43	853.09		

As shown in **Figure 10**, the averaged direction of groundwater flow for October 10, 2012 was **North 43° West** with a gradient of approximately **0.005 feet per foot (ft/ft)**.

8.4 Groundwater Sampling

Prior to the collection of groundwater samples, each well was purged of at least three borehole volumes (to comply with San Diego County's Site Assessment and Mitigation Manual purging guidelines). The temperature, pH, conductivity, ORP, TDS, and DO of the purge water were measured and recorded. DO levels were collected before purging and again following the collection of groundwater samples. Well purge data sheets are included in **Appendix C**.

Groundwater samples were collected from all 11 accessible monitoring and extraction wells at the Site. The samples were analyzed by EPA Method 8260B TPHg, BTEX, and MTBE and by EPA Method 8015M for TPHd and TPHmo.

All samples were collected using disposable polyethylene bailers. All groundwater samples were placed in the appropriate containers and preserved with the appropriate preservatives. Groundwater samples were stored in a chilled ice chest and transported under strict chain-of-custody to Kiff Analytical, LLC (a State of California certified analytical laboratory) for analysis. Samples were transferred from AEG to a Kiff courier at the Site. Analytical laboratory results for groundwater samples are discussed below and the laboratory analytical reports are included in **Appendix D**.

The only positive result reported for the October 2012 samples are TPHd at 65 ppb in MW-3a and TPHd at 52 ppb in MW-6. It should be noted that both of these results were reported to be atypical[2] for diesel fuel. Due to the damage to MW-3, it is possible the atypical diesel reported in MW-3a could be from small pieces of asphalt that were in the damaged well casing before the well was replaced.

9.0 DISCUSSION

9.1 General Discussion

As a result of a wildfire in October 2007, approximately 1,000 gallons of diesel fuel was released from an aboveground storage tank located on the eastern side of the southern half of the Site. It is also likely there were numerous other releases that occurred on the Site over the years. The United States EPA performed a soil only cleanup of the Site during August 2008.

As authorized by the Band, AEG performed a Phase I Environmental Site Assessment in Third Quarter 2011 of the Site. Based on the research performed to prepare the Phase I, AEG concluded there was probable cause to suspect that soil and groundwater in the immediate vicinity of the Site could be impacted from past activities at the Site.

AEG then performed an investigation during October and November 2011 by placing 24 boreholes around the perimeter of the Site and three wells in the Travel Plaza parking lot. Soil and groundwater samples were collected and analyzed for an extensive suite of analytes. The results showed what appeared to be an extensive plume of diesel and motor oil range petroleum hydrocarbons surrounding the Site that appeared to be originating from the southern half on the Site. Concentrations of TPHd and TPHmo were as high as 1,700 ppb and 760 ppb, respectively.

During February and March 2012, AEG placed 15 Geoprobe® (direct push) boreholes on the Site and nine wells around the perimeter of the Site. Based on analytical results from the new Geoprobes® and wells, groundwater was still impacted with TPHd and TPHmo. However, the extent of the plume was now smaller and almost entirely contained on the Site. In addition, the source of the contamination appeared to have originated in the vicinity of the former diesel aboveground storage tank.

Based on a groundwater monitoring event of the offsite wells performed during October 2012, no significant TPHd and TPHmo impacted groundwater appears to extend off the Site. Because there are no permanent sampling points (e.g. monitoring wells) on the Site, the current distribution and extent of onsite impact is not known.

9.2 Analysis of Contamination Plume Source

As reported in AEG's *Report of Soil and Groundwater Sampling, Monitoring Well Installation, and Aquifer Testing*, dated December 19, 2011, the offsite borehole investigation indicated that the center, as well as the source, of the hydrocarbon plume associated with the Site was likely somewhere onsite. The onsite borehole investigation confirmed these conclusions; showing that the plume encompassed the entire Site and indicating the primary source of the plume was the former diesel aboveground storage tank located in the vicinity of B-24 (which was the location of the highest TPHd in groundwater concentration reported onsite).

[2] The laboratory will note sample results as atypical when the results are in the correct range (response times) for a compound, but do not exhibit the expected characteristics (response values) of the compound. In these specific instances, the laboratory noted discrete ("atypical") peaks in the diesel range.

The elevated TPHd concentrations in groundwater, and the TPHd concentrations in soil, in the immediate vicinity of the former diesel aboveground storage tank, indicates TPHd is likely still leaching into the groundwater from TPHd contamination in the soil in the vicinity of the former diesel aboveground storage tank. Based on the lower groundwater TPHd concentrations surrounding B-24, TPHd does not appear to be entering the groundwater, from the contaminated soil, in large quantities.

The groundwater analytical results also show a band of elevated TPHd concentrations to the northwest (the direction of groundwater flow) of the former diesel aboveground storage tank. This band of TPHd contamination is likely the result of a large amount of diesel suddenly flowing into the groundwater when the former diesel aboveground storage tank ruptured in 2007 and the contamination being carried and dispersed by groundwater flow, and degraded by natural attenuation, since that time. This band of TPHd contamination should continue to migrate in the direction of groundwater flow until the contaminant concentrations can no longer be detected.

The low level groundwater TPHd contamination seen across the remainder of the Site, which covers significantly more area than the elevated TPHd concentrations in the vicinity of the former aboveground diesel storage tank, could be from, or from a combination of, several sources. The three most likely sources are: diesel being sprayed over a large portion of the Site when the former diesel aboveground storage tank ruptured, numerous small diesel tanks (such as on vehicles) rupturing during the 2007 fire and spilling smaller amounts of diesel in many locations on the Site, and long term minor fuel leaks from equipment stored on the Site before the 2007 fire. While this low concentration contamination is widespread onsite, it has not been shown to extend offsite during the past three sampling events (March, September, and October 2012).

One monitoring well (MW-6) on the Walker Woods Property (located immediately east of the Site), which is upgradient of the Site, was reported to contain 57 ppb of TPHd in groundwater during the March 2012 sampling event. AEG does not believe this contamination is part of, or the source of, the plume associated with the Site due to the direction of groundwater flow in the vicinity of the Site, magnitude of the onsite contamination compared to the contamination reported in MW-6, and a comparison of the laboratory chromatograms from the MW-6 and B-24 groundwater samples (see **Appendix E**).

All of the groundwater elevation data collected by AEG indicates the direction of groundwater flow in the vicinity of the Site is to the northwest. The shape of the contamination plume observed during the offsite and onsite borehole investigations correspond with this direction of groundwater flow if the source of the contamination is located in the vicinity of B-24. If the source of the contamination was in the vicinity of MW-6, the highest levels of contamination onsite would be expected to be on the north half of the Site, which isn't the case, and monitoring well MW-5, which was reported not to contain any of the hydrocarbons analyzed for above their MRLs, would be expected to contain significant levels of contamination.

While every groundwater sample collected from the onsite boreholes was reported to contain hydrocarbons, the two monitoring wells located on the south half of the Walker Woods Property (MW-7 and MW-8) were not reported not to contain any of the hydrocarbons analyzed for above their MRLs. It is very unlikely that a contamination plume could have its source in the vicinity of MW-6 and then migrate to encompass the entire Site without impacting the monitoring wells that are located immediately north, east, and south of the Site.

When the laboratory chromatograms of the TPHd results of the groundwater samples collected from B-24 and MW-6 are compared, there is an obvious difference in the composition. It should be noted, the very high response and narrow spike shown in the vicinity of Time 13.5 on all three chromatograms is a surrogate introduced into the samples by the laboratory. The chromatogram from MW-6 has several low response spikes with very little area under the curve, while the chromatogram from B-24 has a higher response peak with much more area under the curve. Additionally, the B-24 chromatogram matches the standard TPHd chromatogram reasonably well, while the MW-6 chromatogram only matches the standard at the spike.

AEG also requested that Kiff Analytical compare chromatograms of MW-6 and B-24 (see **Appendix E**). As shown on the chromatogram overlay (which shows March 27, 2012 B-24 TPHd data in green and October 10, 2012 MW-6 TPHd data in black), and stated in Kiff's Email dated December 21, 2012, there are no similarities between the two chromatograms.

Based on these evaluations, the TPHd reported in B-24 and MW-6 are not the same compound. Additionally, the TPHd in MW-6 is reported to be atypical, while the TPHd in B-24 is not. If the TPHd at both locations was from the same source and released at the same time, it would be expected to have similar chromatograms. Or, if there was an ongoing release of diesel in the vicinity of MW-6, typical results would be expected in the vicinity of MW-6 and more degraded TPHd would be expected in the vicinity of B-24.

9.3 Analysis of Observed Plume Migration

As reported in AEG's *Report of Soil and Groundwater Sampling, Monitoring Well Installation, and Aquifer Testing*, dated December 19, 2011, the TPHd contamination plume associated with the Site was observed to extent offsite during November 2011. While the March 2012 sampling event did show substantial TPHd contamination onsite, the March, September, and October 2012 sampling events did not show the TPHd contamination plume extending offsite.

Although the duration of the process appears to be expedited, the plume could have reduced in size over the past five years though a combination of dispersion, dilution, and degradation. Based on analyses performed to date, there do not appear to be any inhibitors to hydrocarbon degrading bacteria (a.k.a. bugs) metabolizing the TPHd and TPHmo impacted groundwater.

The release occurred approximately five years ago, followed shortly by an overexcavation (a.k.a. "scoop and run") cleanup. The ground is quite permeable, with rain predominately infiltrating with little to no surface water runoff from soil surfaces. As the Site has been used for agricultural purposes in the past, one could assume that fertilizer has been used and/or spilled at the Site and this fertilizer is readily available for hydrocarbon consuming bacteria to utilize and degrade concentrations of TPHd and TPHmo in groundwater. The length of the season conducive to bacteria metabolizing hydrocarbons is significantly longer in San Diego County than other regions of the State or Country, thus enabling a significant quantity of hydrocarbons to be degraded since the release occurred. The aquifer is relatively shallow, highly permeable, and unconfined. Therefore, there should be a readily available source of oxygen for the hydrocarbon consuming bacteria to utilize to degrade concentration of TPHd and TPHmo in groundwater.

Factors that could have expedited the cleanup of the Site and facilitated the reduction of the extent of impacted groundwater include any combination of the following actions: source removal, addition of nutrients/supplements, addition of oxygen, addition of engineered hydrocarbon consuming bacteria (super bugs), and the addition of ozone or peroxide. Limited source removal activities have been performed at the Site; however, AEG is unaware if, or to what extent, any of these other factors have occurred at the Site.

9.4 Seasonal Cycle Effects on Groundwater Contamination

The seasonal cycle (winter, spring, summer, and fall) can effect groundwater contamination in several ways throughout a given year. The most noticeable effects of the seasonal cycle come from the changing groundwater surface elevation (GSE), surface water infiltration rates, and the direction of groundwater flow.

The GSE changes over the year due to the effects of infiltration and extraction. During the winter and spring seasons, the GSE is typically higher than the yearly average due to the increased amount of rain, which leads to the accumulation of water in the aquifers. During the summer and fall seasons, the GSE is typically lower than the yearly average due to the minimal, or absence of, rainfall and the increased pumping of groundwater from the aquifers. This change in GSE can effect the amount of contamination in the groundwater in several ways, including; sorbing (a combination of absorbing and adsorbing) contamination from soil when the GSE is high (only shallow soil is contaminated), showing lower/higher concentrations when the GSE is lower/higher, and a smear zone of contaminated soil (between low and high GSEs) can be created by contaminated GSE changing with the seasons. Between March and October 2012, the GSEs at the Site have shown a variance of 1.8 to 3.2 feet.

Surface water infiltration can effect groundwater contamination by sorbing contaminant from the surface and shallow soil and carrying them down into the groundwater. During the winter and spring seasons, when there is more rain, it is more likely that surface pollution will be carried into the groundwater. An example of this is when heavy rain hits a large road or parking lot and the motor oil that had accumulated on the paved surface is carried by the rain runoff (seen as a sheen on the water) into storm drains or ditches along the pavement.

The direction of groundwater flow can also change with the seasons. This is affected by numerous factors and the amount of directional change can vary greatly depending on the location. It is possible for there to be almost no directional change over a year and it is also possible for the direction of flow to completely reverse during a portion of the year. Changes in the direction of flow can cause the shape and/or area of a contamination plume to change from season to season and can have significant impacts on the speed and direction of contaminant migration. Based on the GSE data collected by AEG to date, the direction of groundwater at the Site appears to be consistently northwest.

Because of the effects the seasonal cycle can have on groundwater contamination, most regulatory agencies require at least one season cycle of groundwater monitoring at contaminated sites before remedial activities are started or the site can be considered for closure. Typically this monitoring occurs quarterly, with one sampling event per season.

10.0 CONCLUSIONS AND RECOMMENDATIONS

10.1 Conclusions

Based on data and field observations obtained to date, AEG concludes the following:

- The current monitoring well network appears to encompass the contaminant plume at the Site, with the possible exception of the TPHd plume in the vicinity of MW-6;
- Based on the three sets of groundwater elevation data collected, the general direction of shallow groundwater flow in the vicinity of the Site is to the northwest;
- Onsite soil was reported to contain TPHd and TPHmo contamination in the vicinity of the former diesel aboveground storage tank and in the northwest corner of the Site;
- Groundwater beneath the entire Site was reported to be contaminated with low concentrations of TPHd and groundwater beneath the north and west sides of the Site, along with the vicinity of the former diesel aboveground storage tank, was reported to be contaminated with TPHmo;
- The main source of the TPHd contamination at the Site appears to be the former diesel aboveground storage tank;
- The sources of the TPHmo contamination in groundwater at the Site appear to be in the vicinity of the former diesel aboveground storage tank and in the northwest corner of the Site. The specific sources of the contamination are not known; however, oil leaking from vehicles or machinery are the most likely sources;
- The onsite groundwater contamination exceeds the ESLs for TPHd and TPHmo;

- The Walker Woods Property does not appear to have been a source of the hydrocarbon contamination observed on the Site. There does appear to be a small TPHd plume on the Walker Woods Property that is independent of the hydrocarbon plume on the Site;
- Onsite and offsite soil appears to have similar concentrations of select metals with some exceeding their MCLs and ESLs;
- Onsite groundwater appears to have elevated concentrations of select metals above their MCLs and ESLs when compared to offsite groundwater, and;
- The onsite domestic well does not appear to be affected by the contaminant plume.

10.2 Recommendations

Based on these conclusions, AEG recommends:

- The Site be monitored for at least one complete seasonal cycle to determine if contaminant concentrations fluctuate seasonally and to ensure that the extents of the plume have been identified;
- The Site then be monitored semi-annually or annually, until the contaminant plume is shown to be stable, to verify the plume is not migrating offsite, and;
- Monitoring wells be placed onsite to monitor the contaminant plume and evaluate the Site for No Further Action Required (NFAR) status.

11.0 STATEMENT OF LIABILITY

This *Report of 2012 Activities* (Report) was prepared by Applied Engineering and Geology, Inc. (AEG), at the request of the Rincon San Luiseño Band of Mission Indians (Band) using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable engineers, geologists, and scientists practicing in this or similar localities in California at the time this Report was prepared.

No other warranty, expressed or implied, is made as to the information and professional advice included in this Report. Any reliance on this Report by third parties shall be at such parties' sole risk.

AEG's Report is based on factual information obtained from the Rincon San Luiseño Band of Mission Indians, and others, that has been assumed to be correct, accurate, and complete. Applied Engineering and Geology, Inc., does not guarantee the correctness, accuracy, or completeness of the data.

This Report or any part thereof may not be reproduced in any form without written permission from Applied Engineering and Geology, Inc., its Principals, or agents. All work performed by AEG will be performed under the direct supervision of the engineer, registered with the State of California, whose signature appears at the end of this document.

Should you have any questions regarding the content of this Report, please contact the undersigned at 916.645.6014.

Sincerely,

APPLIED ENGINEERING & GEOLOGY, INC.

Dane Frank

Dane Frank
Project Engineer

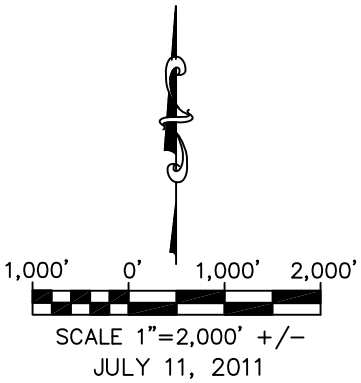
Earl R. Stephens, RCE 45335
Principal Engineer

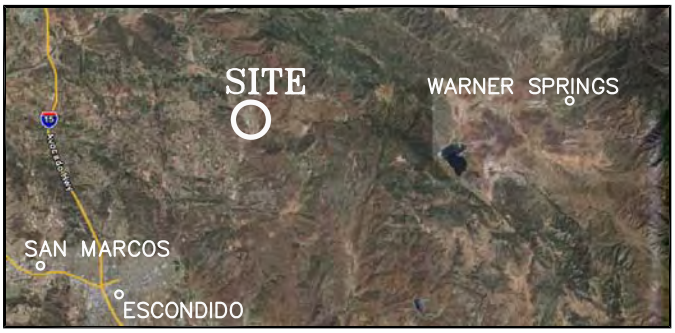
REGISTERED PROFESSIONAL ENGINEER
EARL R. STEPHENS
No. 45335
Exp. 9/30/14
CIVIL
STATE OF CALIFORNIA

N:\Everyone\AEG Documents\Rincon\Rincon Mushroom\Additional Investigation\R- Rincon Mushroom Farm 2012 #1 (Report of Offsite MW & Onsite Borehole Drilling, 3Q12 Sampling, & Oct 2012 Well Repairs & Sampling).doc

APPENDIX A

Figures





NOT TO SCALE

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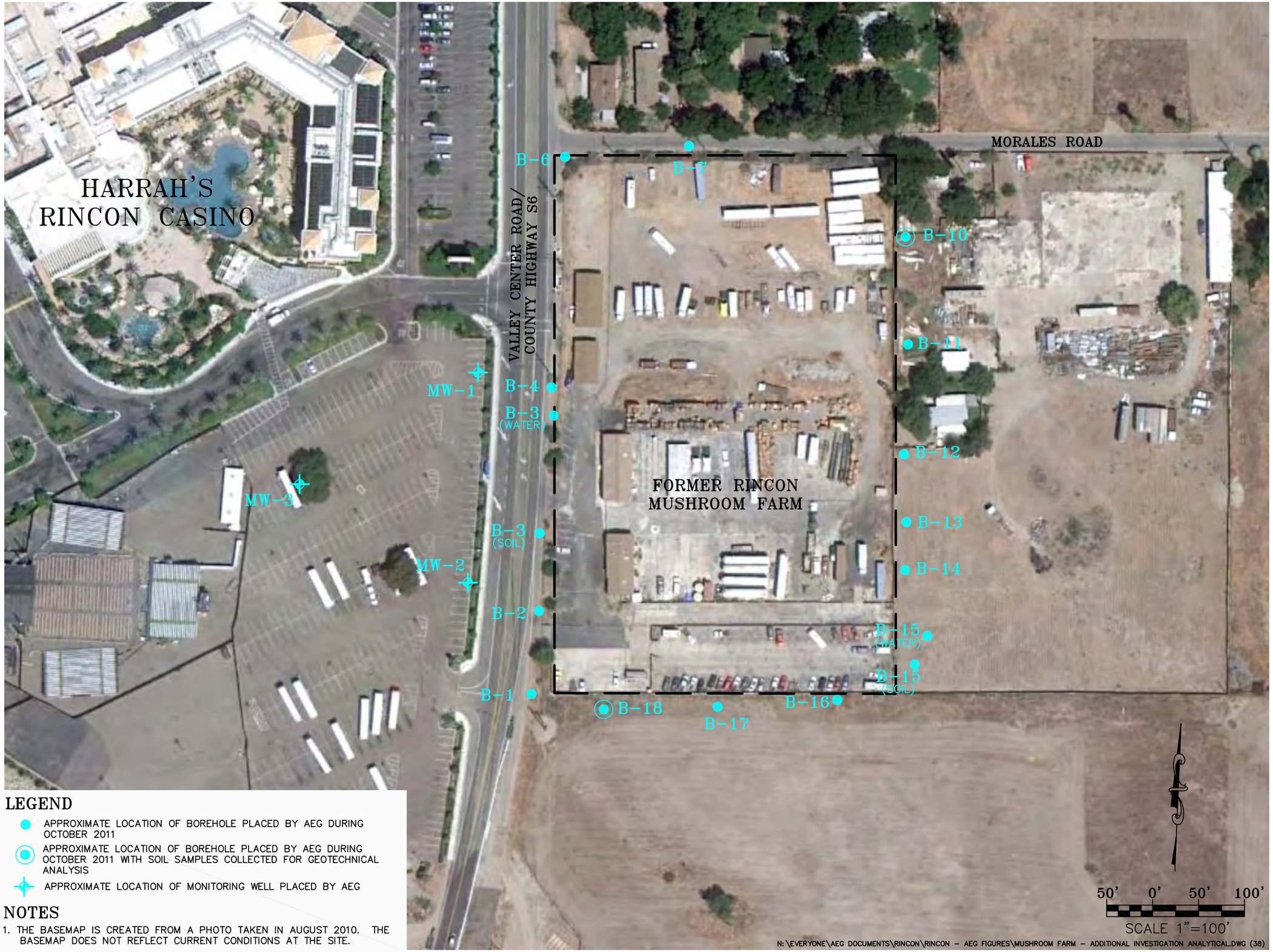
SITE VICINITY MAP
FORMER RINCON MUSHROOM FARM
33777 VALLEY CENTER ROAD
VALLEY CENTER, CALIFORNIA 92802

APPROVAL	DATE

FIGURE 1



LEGEND

- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING OCTOBER 2011
- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING OCTOBER 2011 WITH SOIL SAMPLES COLLECTED FOR GEOTECHNICAL ANALYSIS
- APPROXIMATE LOCATION OF MONITORING WELL PLACED BY AEG

NOTES

1. THE BASEMAP IS CREATED FROM A PHOTO TAKEN IN AUGUST 2010. THE BASEMAP DOES NOT REFLECT CURRENT CONDITIONS AT THE SITE.

GENERALIZED SITE MAP
FORMER RINCON MUSHROOM FARM

33777 VALLEY CENTER ROAD
VALLEY CENTER, CALIFORNIA 92802

FIGURE 2

APPROVAL	DATE

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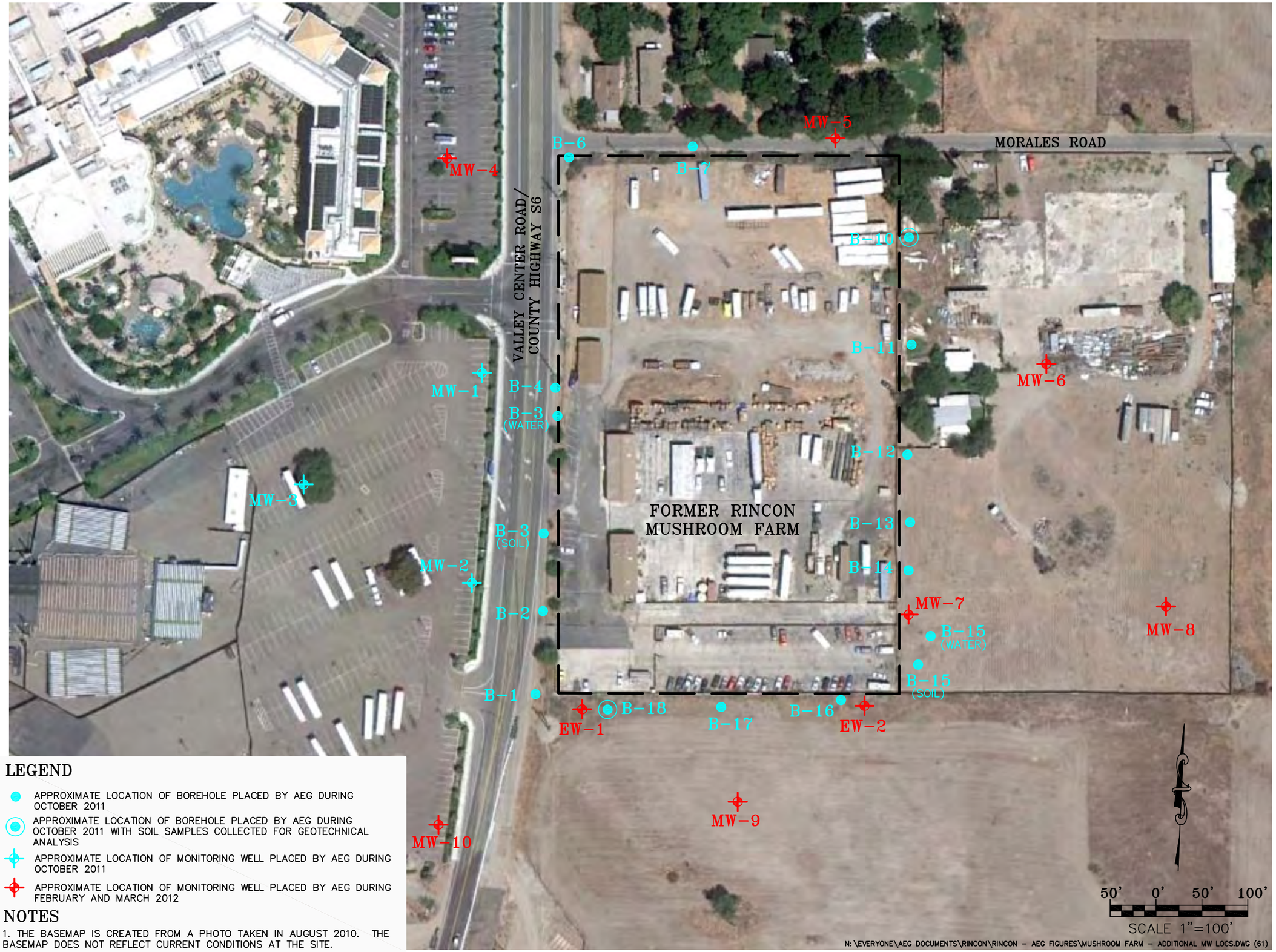

LEGEND

- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING OCTOBER 2011
- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING OCTOBER 2011 WITH SOIL SAMPLES COLLECTED FOR GEOTECHNICAL ANALYSIS
- APPROXIMATE LOCATION OF MONITORING WELL PLACED BY AEG DURING OCTOBER 2011
- APPROXIMATE LOCATION OF MONITORING WELL PLACED BY AEG DURING FEBRUARY AND MARCH 2012

NOTES

1. THE BASEMAP IS CREATED FROM A PHOTO TAKEN IN AUGUST 2010. THE BASEMAP DOES NOT REFLECT CURRENT CONDITIONS AT THE SITE.

ADDITIONAL OFFSITE WELL LOCATIONS
FORMER RINCON MUSHROOM FARM

33777 VALLEY CENTER ROAD
VALLEY CENTER, CALIFORNIA 92802

FIGURE 3

APPROVAL	DATE

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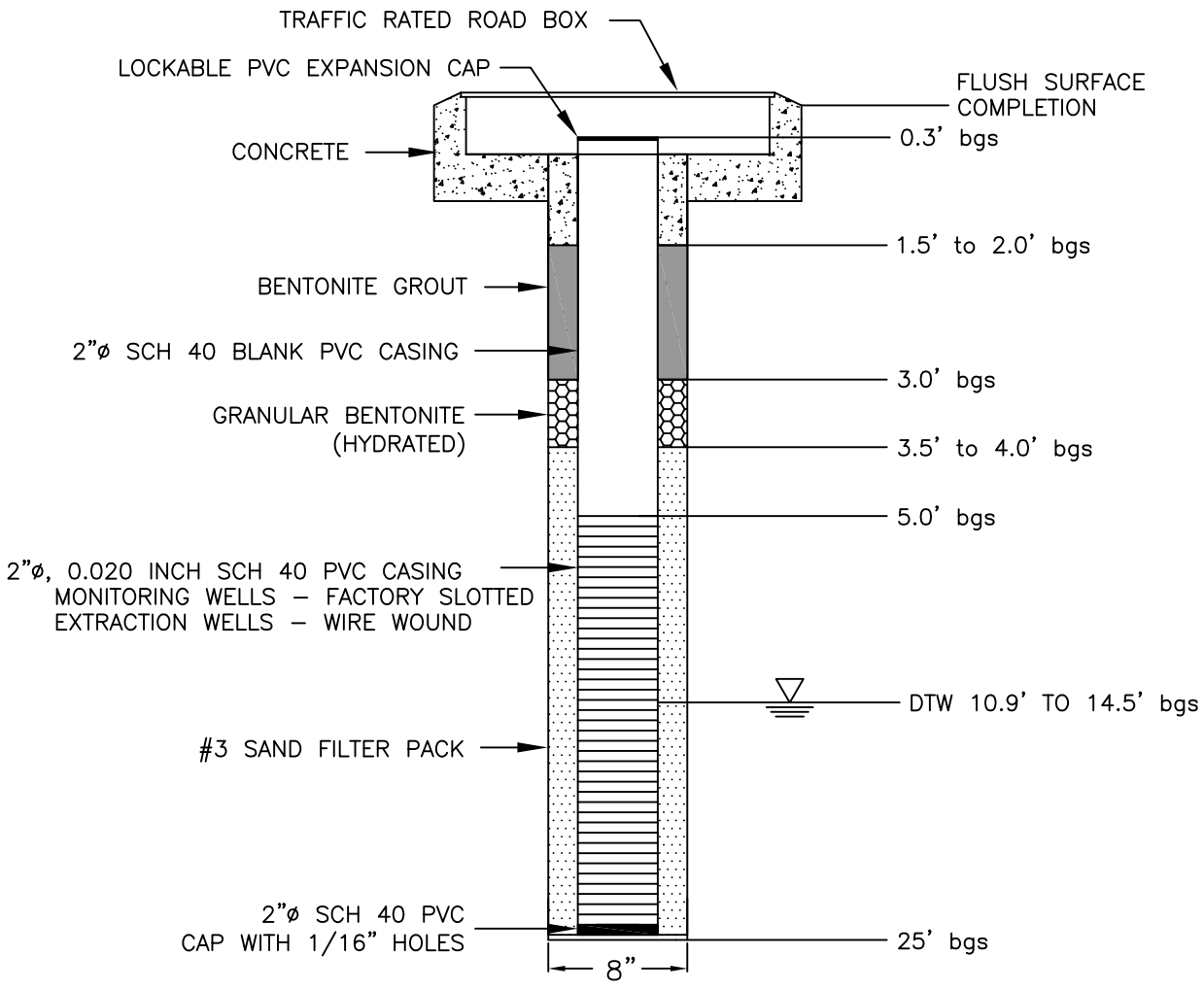

AS-BUILT WELL SCHEMATIC

MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, EW-1, AND EW-2

(NOT TO SCALE)

LEGEND

bgs	BELOW GROUND SURFACE
DTW	DEPTH TO WATER

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AS-BUILT WELL SCHEMATIC

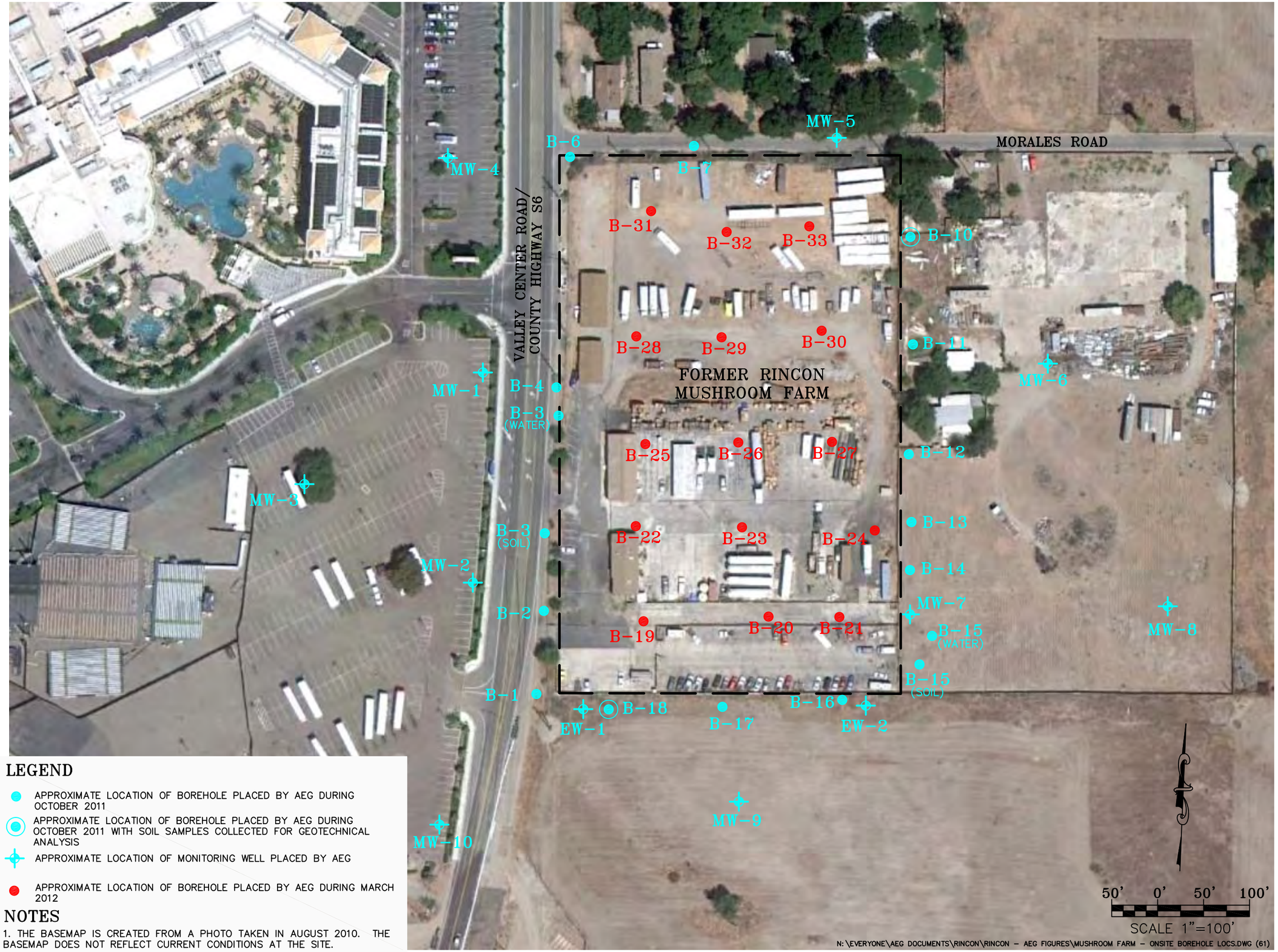
FORMER RINCON MUSHROOM FARM

33777 VALLEY CENTER ROAD

VALLEY CENTER, SAN DIEGO COUNTY, CALIFORNIA

APPROVAL	DATE

FIGURE 4



LEGEND

- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING OCTOBER 2011
- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING OCTOBER 2011 WITH SOIL SAMPLES COLLECTED FOR GEOTECHNICAL ANALYSIS
- APPROXIMATE LOCATION OF MONITORING WELL PLACED BY AEG
- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING MARCH 2012

NOTES

1. THE BASEMAP IS CREATED FROM A PHOTO TAKEN IN AUGUST 2010. THE BASEMAP DOES NOT REFLECT CURRENT CONDITIONS AT THE SITE.

ONSITE BOREHOLE LOCATIONS
FORMER RINCON MUSHROOM FARM

33777 VALLEY CENTER ROAD
VALLEY CENTER, CALIFORNIA 92802

FIGURE 5

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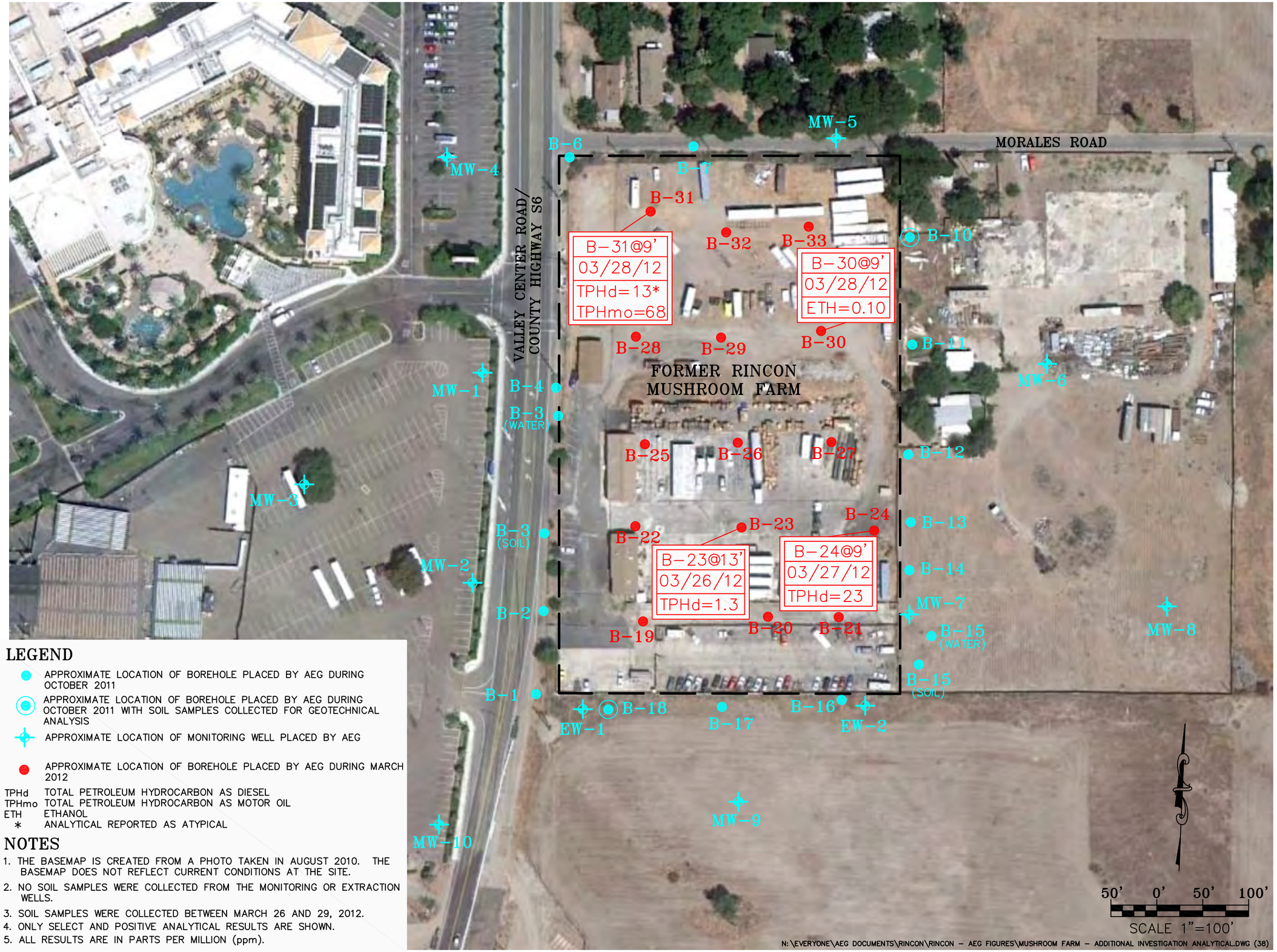

LEGEND

- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING OCTOBER 2011
- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING OCTOBER 2011 WITH SOIL SAMPLES COLLECTED FOR GEOTECHNICAL ANALYSIS
- APPROXIMATE LOCATION OF MONITORING WELL PLACED BY AEG
- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING MARCH 2012

TPHd TOTAL PETROLEUM HYDROCARBON AS DIESEL
TPHmo TOTAL PETROLEUM HYDROCARBON AS MOTOR OIL
ETH ETHANOL
* ANALYTICAL REPORTED AS ATYPICAL

NOTES

1. THE BASEMAP IS CREATED FROM A PHOTO TAKEN IN AUGUST 2010. THE BASEMAP DOES NOT REFLECT CURRENT CONDITIONS AT THE SITE.
2. NO SOIL SAMPLES WERE COLLECTED FROM THE MONITORING OR EXTRACTION WELLS.
3. SOIL SAMPLES WERE COLLECTED BETWEEN MARCH 26 AND 29, 2012.
4. ONLY SELECT AND POSITIVE ANALYTICAL RESULTS ARE SHOWN.
5. ALL RESULTS ARE IN PARTS PER MILLION (ppm).

SOIL ANALYTICAL RESULTS MARCH 2012
FORMER RINCON MUSHROOM FARM

33777 VALLEY CENTER ROAD
VALLEY CENTER, CALIFORNIA 92802

FIGURE 6

APPROVAL	DATE

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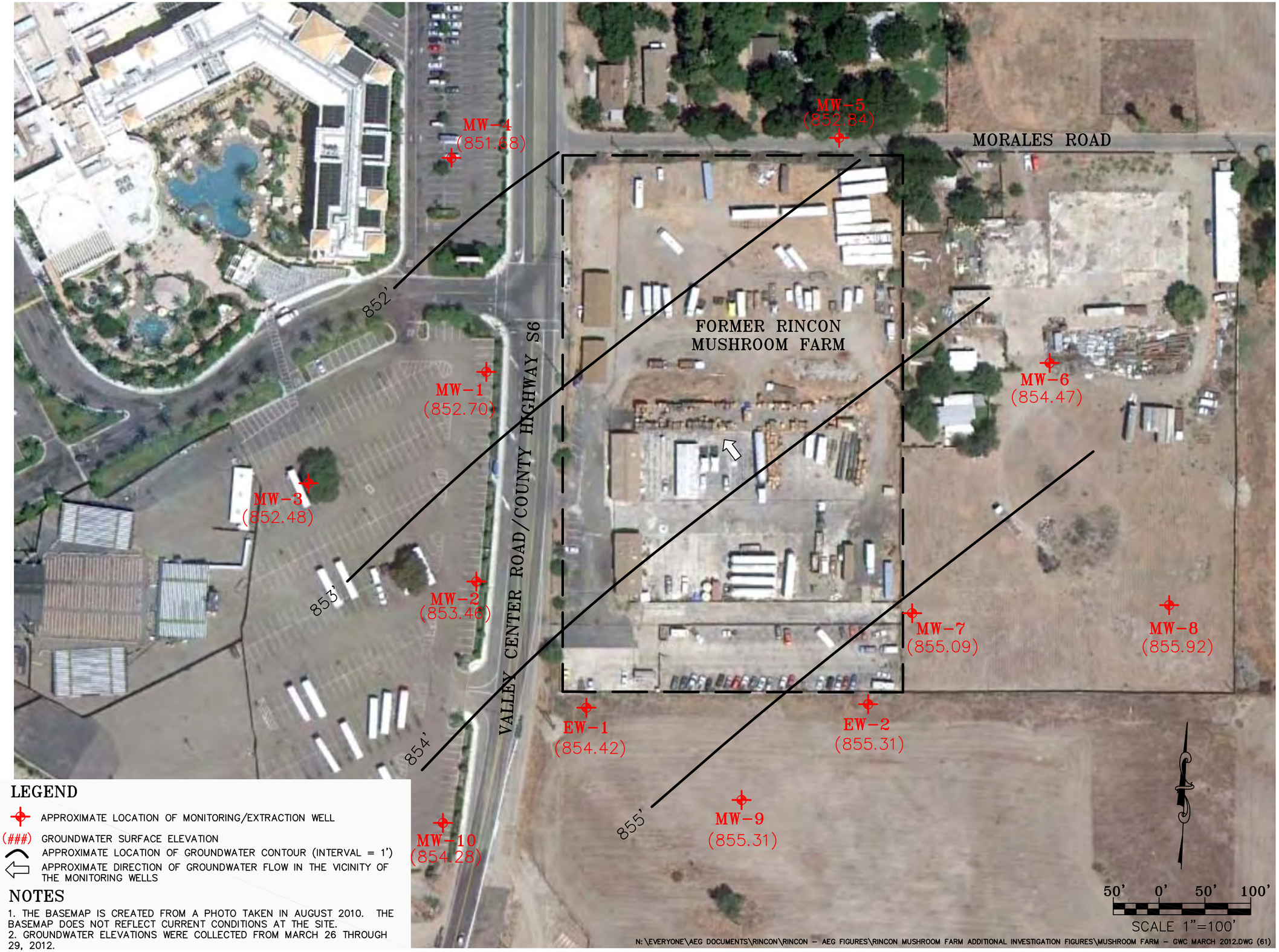

LEGEND

- APPROXIMATE LOCATION OF MONITORING/EXTRACTION WELL
- (###) GROUNDWATER SURFACE ELEVATION
- APPROXIMATE LOCATION OF GROUNDWATER CONTOUR (INTERVAL = 1')
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW IN THE VICINITY OF THE MONITORING WELLS

NOTES

1. THE BASEMAP IS CREATED FROM A PHOTO TAKEN IN AUGUST 2010. THE BASEMAP DOES NOT REFLECT CURRENT CONDITIONS AT THE SITE.
2. GROUNDWATER ELEVATIONS WERE COLLECTED FROM MARCH 26 THROUGH 29, 2012.

N:\EVERYONE\AEG DOCUMENTS\RINCON\RINCON – AEG FIGURES\RINCON MUSHROOM FARM ADDITIONAL INVESTIGATION FIGURES\MUSHROOM FARM – GWC MARCH 2012.DWG (61)

GROUNDWATER ELEVATION CONTOURS MARCH 2012

FORMER RINCON MUSHROOM FARM

33777 VALLEY CENTER ROAD
VALLEY CENTER, CALIFORNIA 92802

APPROVAL	DATE

FIGURE 7

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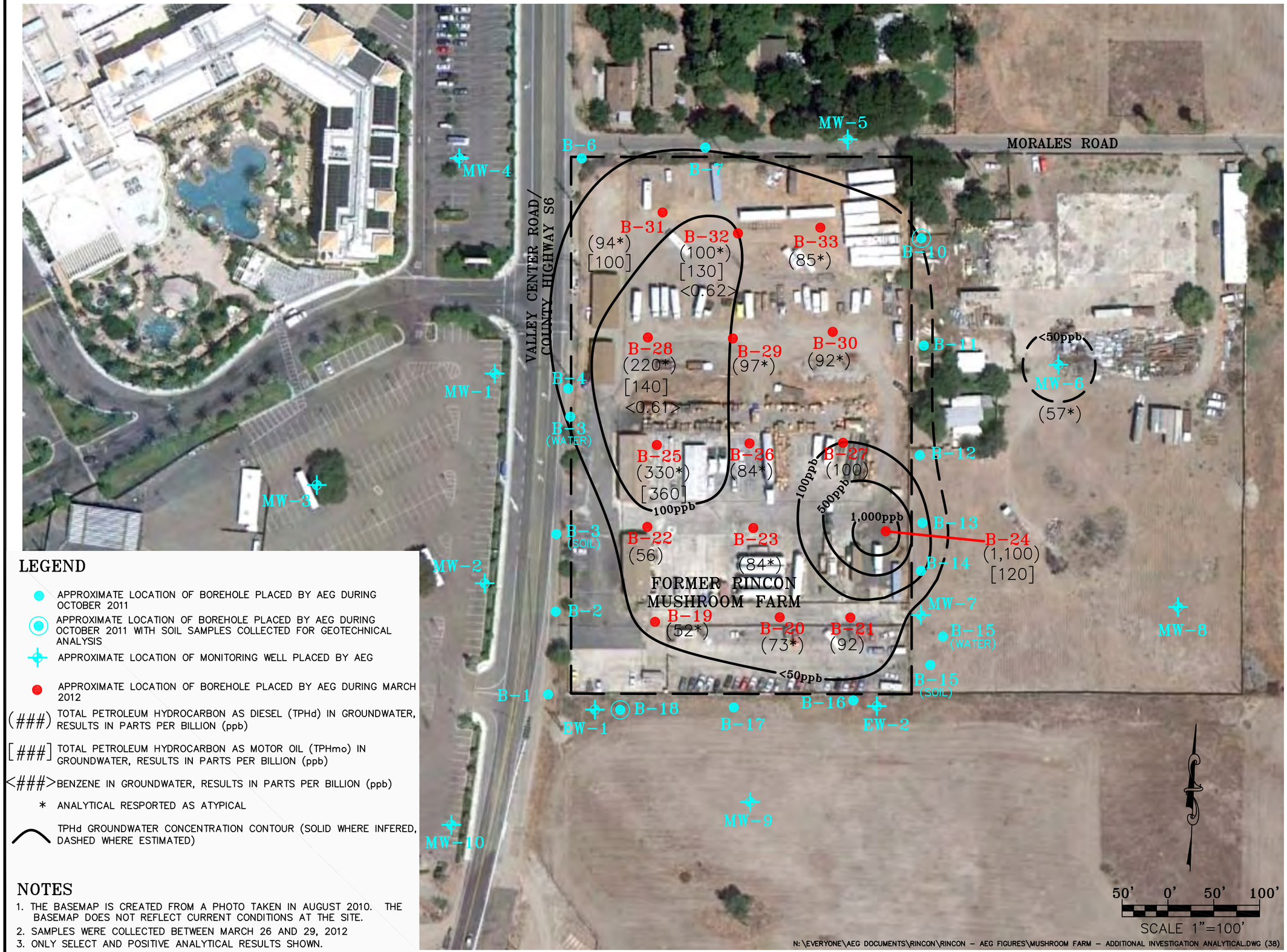

LEGEND

- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING OCTOBER 2011
- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING OCTOBER 2011 WITH SOIL SAMPLES COLLECTED FOR GEOTECHNICAL ANALYSIS
- APPROXIMATE LOCATION OF MONITORING WELL PLACED BY AEG
- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING MARCH 2012
- (###) TOTAL PETROLEUM HYDROCARBON AS DIESEL (TPHd) IN GROUNDWATER, RESULTS IN PARTS PER BILLION (ppb)
- [###] TOTAL PETROLEUM HYDROCARBON AS MOTOR OIL (TPHmo) IN GROUNDWATER, RESULTS IN PARTS PER BILLION (ppb)
- <###> BENZENE IN GROUNDWATER, RESULTS IN PARTS PER BILLION (ppb)
- * ANALYTICAL RESPORTED AS ATYPICAL
- TPHd GROUNDWATER CONCENTRATION CONTOUR (SOLID WHERE INFERED, DASHED WHERE ESTIMATED)

NOTES

1. THE BASEMAP IS CREATED FROM A PHOTO TAKEN IN AUGUST 2010. THE BASEMAP DOES NOT REFLECT CURRENT CONDITIONS AT THE SITE.
2. SAMPLES WERE COLLECTED BETWEEN MARCH 26 AND 29, 2012
3. ONLY SELECT AND POSITIVE ANALYTICAL RESULTS SHOWN.

GROUNDWATER ANALYTICAL RESULTS MARCH 2012

FORMER RINCON MUSHROOM FARM

33777 VALLEY CENTER ROAD
VALLEY CENTER, CALIFORNIA 92802

FIGURE 8

APPROVAL	DATE

APPLIED ENGINEERING AND GEOLOGY, INC.
Engineers • Environmental Assessors • Geologists
P.O. BOX 247 LINCOLN, CA 95648
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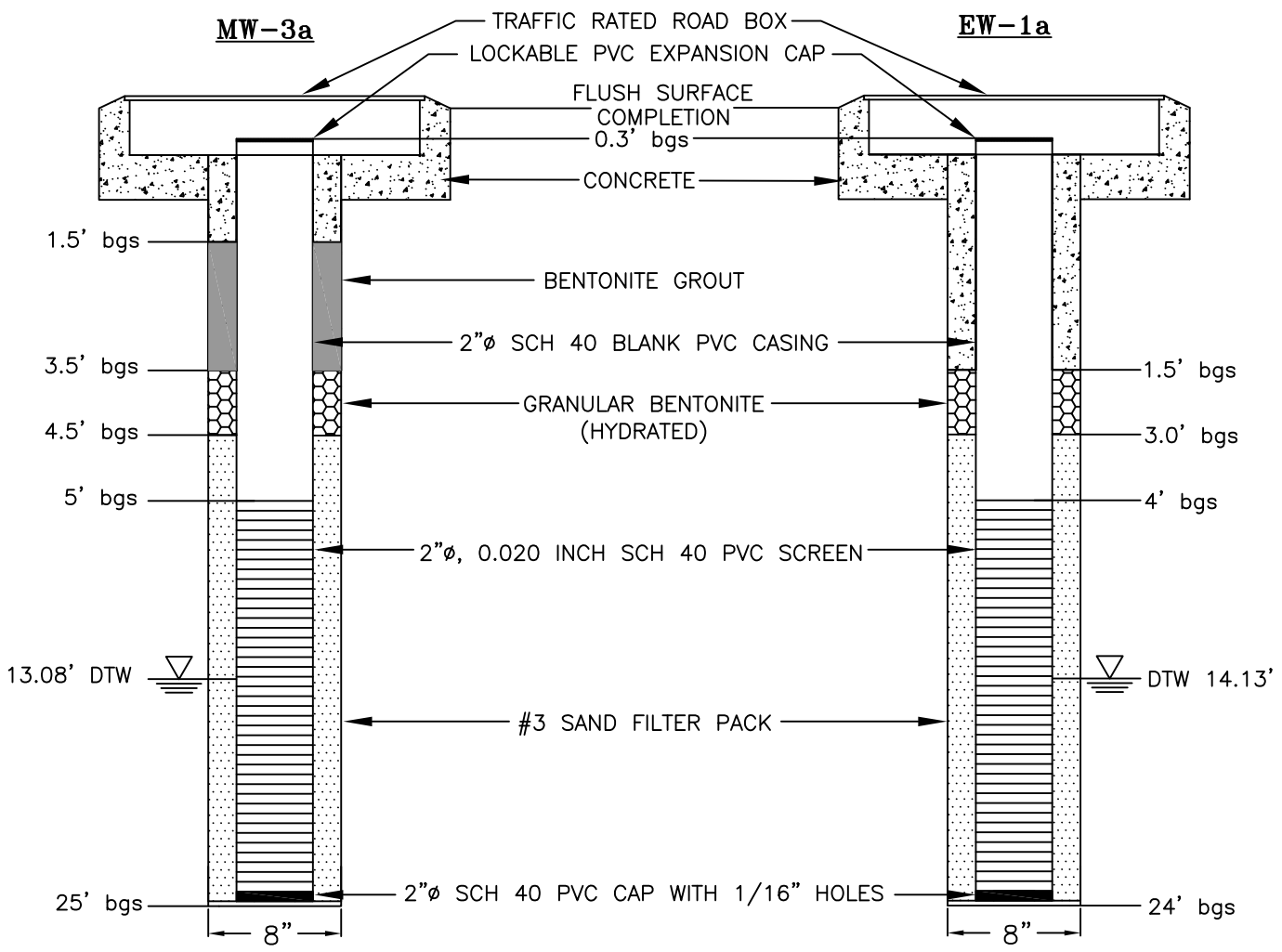

AS-BUILT WELL SCHEMATIC

MW-3a AND EW-1a

(NOT TO SCALE)

LEGEND

bgs BELOW GROUND SURFACE
DTW DEPTH TO WATER

N:\AEG DOCUMENTS\RINCON\RINCON – AEG FIGURES\RINCON MUSHROOM FARM ADDITIONAL INVESTIGATION FIGURES\RINCON AS BUILT REPLACED WELLS SCHEMATIC.DWG (61)

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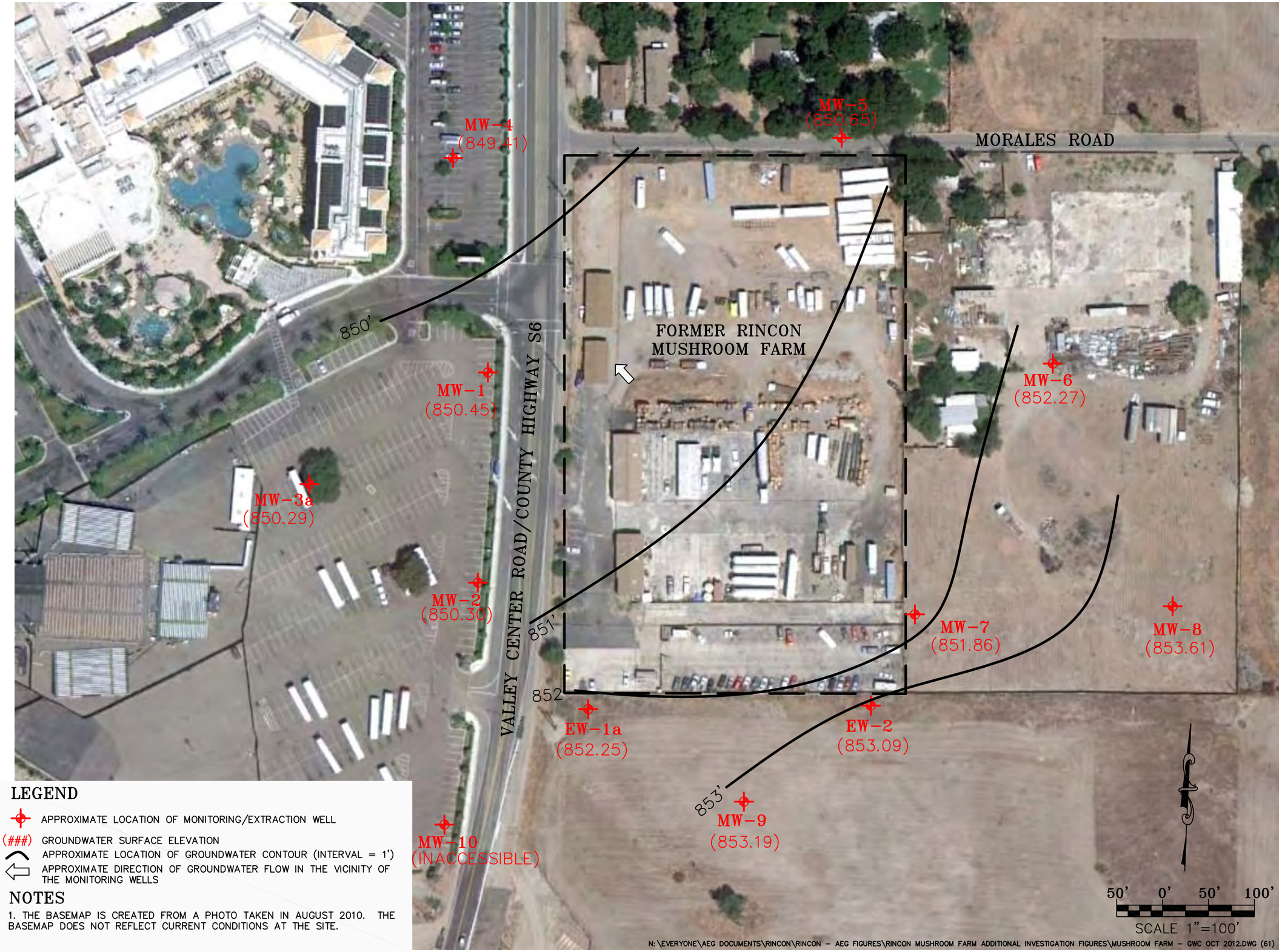
AS-BUILT WELL SCHEMATIC
FORMER RINCON MUSHROOM FARM
33777 VALLEY CENTER ROAD
VALLEY CENTER, SAN DIEGO COUNTY, CALIFORNIA

APPROVAL	DATE

FIGURE 9



LEGEND

- APPROXIMATE LOCATION OF MONITORING/EXTRACTION WELL
- (###) GROUNDWATER SURFACE ELEVATION
- APPROXIMATE LOCATION OF GROUNDWATER CONTOUR (INTERVAL = 1')
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW IN THE VICINITY OF THE MONITORING WELLS

NOTES

1. THE BASEMAP IS CREATED FROM A PHOTO TAKEN IN AUGUST 2010. THE BASEMAP DOES NOT REFLECT CURRENT CONDITIONS AT THE SITE.

GROUNDWATER ELEVATION CONTOURS 10/10/12

FORMER RINCON MUSHROOM FARM

33777 VALLEY CENTER ROAD
VALLEY CENTER, CALIFORNIA 92802

FIGURE 10

APPROVAL	DATE

APPLIED ENGINEERING AND GEOLOGY, INC.
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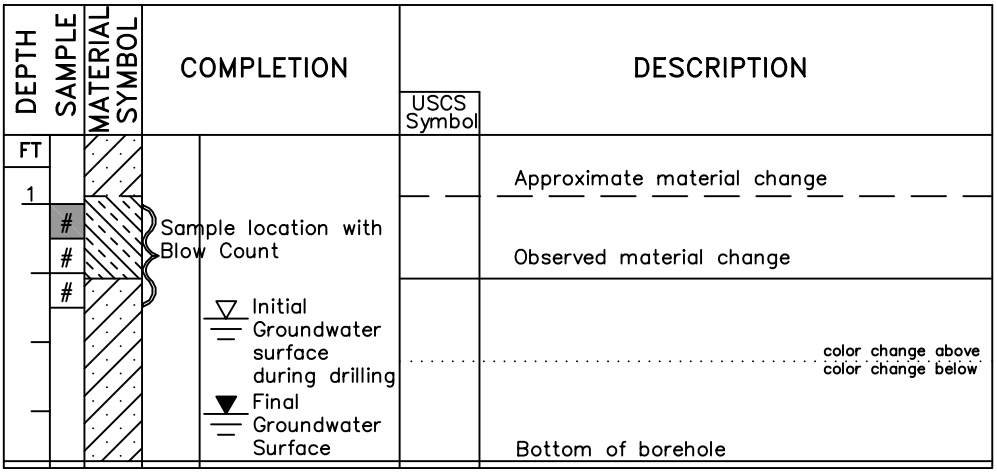
APPENDIX B

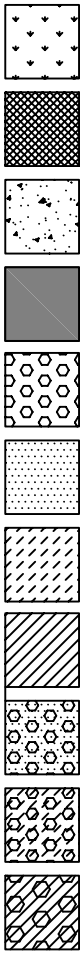
Borehole Logs

BOREHOLE LOG LEGEND
(HOLLOW STEM AUGER)



REFERENCE: MUNSELL SOIL COLOR CHARTS

MATERIAL SYMBOLS

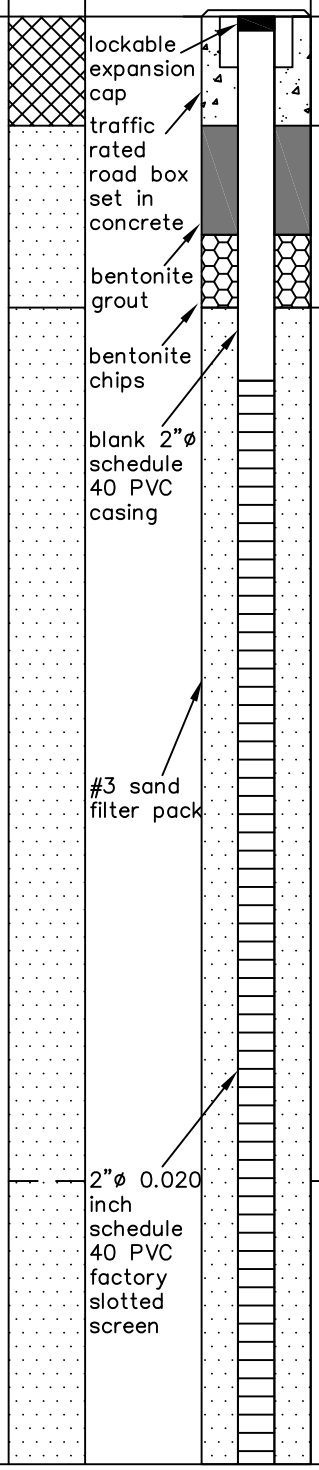


- Top Soil / Vegetation
- Asphalt
- Concrete
- Cement and/or Bentonite Grout
- GRAVEL
- SAND
- SILT
- CLAY
- SAND with Gravel or GRAVEL with Sand
- SILT with Gravel or GRAVEL with Silt
- Gravelly CLAY or Clayey GRAVEL

- Silty SAND or Sandy SILT
- Clayey SAND or Sandy CLAY
- Hardpan
- Sandstone
- Igneous Rock
- Volcanics
- Greenstone
- Granitic Rock
- Slate
- Limestone
- Phyllite

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** MW–4
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 8 IN	**TOTAL DEPTH:** 27 FT	**LOCATION:** NW OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 02/29/12	**DATE FINISHED:** 02/29/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION (Flush)	USCS	DESCRIPTION	PID (ppmV)	NOTES
1			lockable expansion cap; traffic rated road box set in concrete		2" asphalt base rock		Logged from cuttings
2–4			bentonite grout	SW	well graded SAND, dry, medium to coarse grain, clean		Material depth shown equals auger depth when the material surfaced unless specifically called out
5			bentonite chips				1325 start drilling
6–7			blank 2"ø schedule 40 PVC casing				
8						0.0	1530
9–11			#3 sand filter pack	SW	well graded SAND, light yellowish brown (10YR 6/4), dry, fine to coarse grain		▼ 10.90' @ 1337 on 03/01/12
12–15							
16			2"ø 0.020 inch schedule 40 PVC factory slotted screen			0.0	1540
17–20				SW	well graded SAND, light yellowish brown (10YR 6/4), moist, fine to coarse grain		Started getting roots (<1/8" to 1/4" diameter) in cuttings

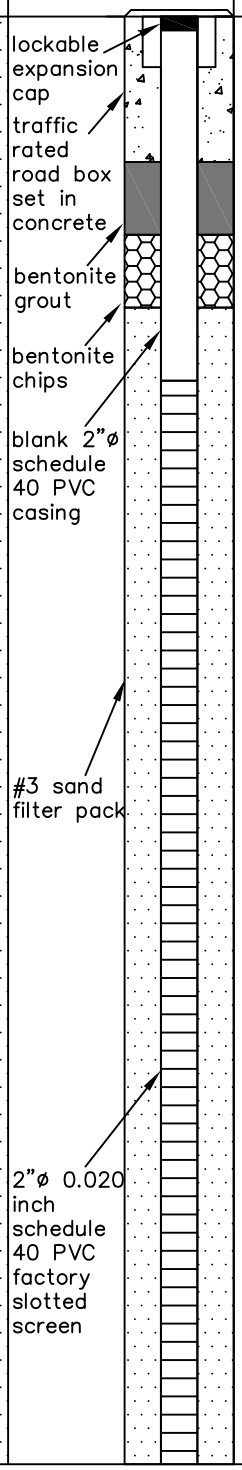
BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM | **BORING NUMBER:** MW–4

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
21			#3 sand filter pack				Augers grinding on cobbles from 20' to 27'
22			2"ø 0.020 inch schedule 40 PVC screen				
23				SW	from 16' to 27': well graded SAND, dark grayish brown (10YR 4/2), wet, fine to coarse grain		
24			2"ø schedule 40 PVC cap with $\frac{1}{16}$" holes				1540
25							
26			flowing native sand				
27						0.0	1550
28							TOTAL DEPTH: 27 feet
29							Flowing sands encountered, injected approximately 25 gallons of water into borehole while drilling/building well
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** MW–5
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 8 IN	**TOTAL DEPTH:** 27 FT	**LOCATION:** NORTH OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/01/12	**DATE FINISHED:** 03/01/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION (Flush)	USCS	DESCRIPTION	PID (ppmV)	NOTES
1			lockable expansion cap; traffic rated road box set in concrete		3" asphalt, no base rock		Logged from cuttings
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4			bentonite grout				
5			bentonite chips				
6			blank 2"ø schedule 40 PVC casing				Hand augered to 5 feet bgs
7				SW	well graded SAND, brown (10YR 5/3), dry, fine to medium grain		1010 start drilling
8						0.0	1020
9							
10							
11			#3 sand filter pack				
12							1025
13							
14				SW	well graded SAND, dark brown (10YR 3/3), dry, fine to medium grain		▼ 14.13' @ 1413 on 03/01/12
15							
16			2"ø 0.020 inch schedule 40 PVC factory slotted screen			0.0	1028
17							
18				SW	well graded SAND, brown (10YR 5/3), dry, fine to coarse grain		
19							19'–20' augers grinding on 1" to 2" diameter cobbles
20							

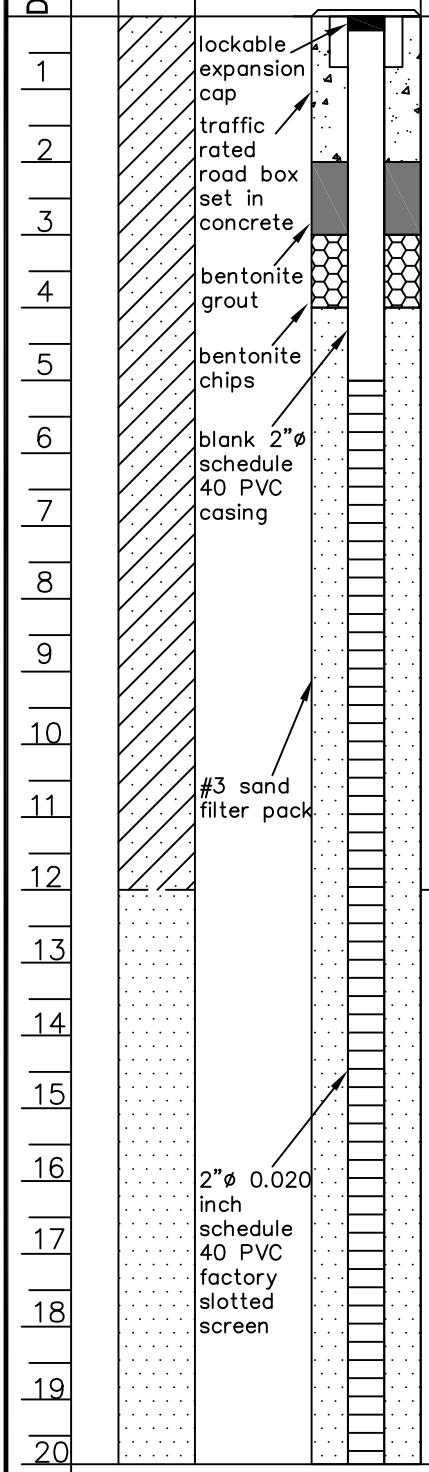
BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM | **BORING NUMBER:** MW–5

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
21			#3 sand filter pack				
22			2"ø 0.020 inch schedule 40 PVC screen	SW	well graded SAND, brown (10YR 5/3), dry, fine to coarse grain		
23							
24			2"ø schedule 40 PVC cap with $\frac{1}{16}$" holes				
25				SW	well graded SAND, brown (10YR 5/3), wet, fine to coarse grain		
26			flowing native sand				
27						0.0	1040
28							TOTAL DEPTH: 27 feet
29							Flowing sands encountered, injected approximately 25 gallons of water into borehole while drilling/building well
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** MW–6
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 8 IN	**TOTAL DEPTH:** 27 FT	**LOCATION:** EAST OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 02/28/12	**DATE FINISHED:** 02/28/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION (Flush)	USCS	DESCRIPTION	PID (ppmV)	NOTES
1			lockable expansion cap; traffic rated road box set in concrete				Logged from cuttings
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4			bentonite grout				
5			bentonite chips				1150 start drilling
6			blank 2"ø schedule 40 PVC casing	SC	clayey SAND (~15% fines), very dark grayish brown (10YR 3/2), moist, fine to medium grain, non–plastic, gold colored flakes		
7							
8							
9							
10							
11			#3 sand filter pack				
12						0.0	1158
13							13' to 14' encountered cobbles
14							
15					well graded SAND, very dark grayish brown (10YR 3/2), moist, fine to coarse grain, small amount of gravel (~1/2" diameter)		▼ 14.48' @ 1440 on 02/28/12
16			2"ø 0.020 inch schedule 40 PVC factory slotted screen	SW			
17							
18							
19							
20							1205

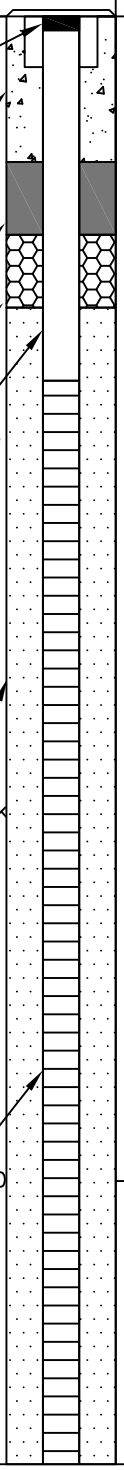
BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM | **BORING NUMBER:** MW–6

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
21			#3 sand filter pack	SW	well graded SAND, very dark grayish brown (10YR 3/2), wet, fine to coarse grain, small amount of gravel (~1/2" diameter)		
22			2"ø 0.020 inch schedule 40 PVC screen				
23							
24			2"ø schedule 40 PVC cap with $\frac{1}{16}$" holes				
25							
26			flowing native sand				
27							1210
28							TOTAL DEPTH: 27 feet
29							Flowing sands encountered, injected approximately 25 gallons of water into borehole while drilling/building well
30							
31							
32							
33							Depth to groundwater on 03/01/12 at 1417 was 14.43'
34							
35							
36							
37							
38							
39							
40							

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** MW–7
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 8 IN	**TOTAL DEPTH:** 27 FT	**LOCATION:** SE CORNER OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 02/28/12	**DATE FINISHED:** 02/28/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION (Flush)	USCS	DESCRIPTION	PID (ppmV)	NOTES
1			lockable expansion cap				Logged from cuttings
2			traffic rated road box set in concrete				Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4			bentonite grout				
5			bentonite chips				1455 start drilling
6			blank 2"ø schedule 40 PVC casing				
7							
8				SW	well graded SAND, brown (10YR 4/3), moist, fine to medium grain		
9						0.0	1505
10							Hit a hard object (possible cobble) and pushed through it
11			#3 sand filter pack				
12							1510
13							▼ 13.59' @ 0740 on 02/29/12
14							
15							
16			2"ø 0.020 inch schedule 40 PVC factory slotted screen			0.0	1515
17							
18				SW	well graded SAND, brown (10YR 4/3), moist, fine to medium grain, small amount of 2" diameter cobbles		
19							
20							

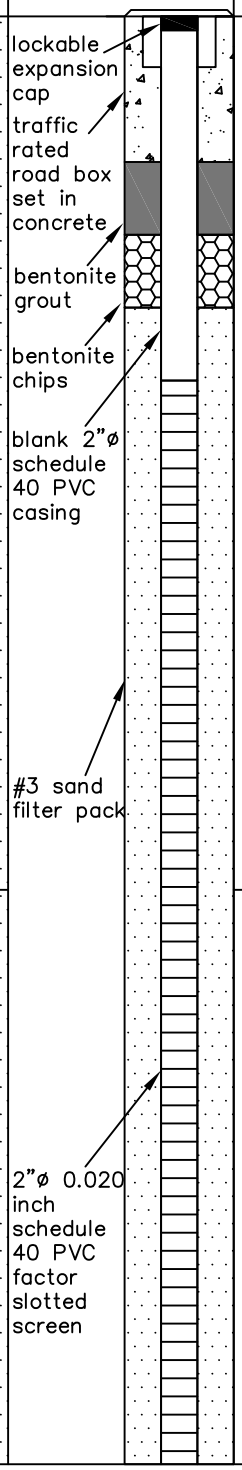
BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM | **BORING NUMBER:** MW–7

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
21, 22			#3 sand filter pack; 2"ø 0.020 inch schedule 40 PVC screen	SW	well graded SAND, brown (10YR 4/3), moist, fine to medium grain, small amount of 2" diameter cobbles		
23, 24, 25, 26, 27			2"ø schedule 40 PVC cap with $\frac{1}{16}$" holes; flowing native sand	SW	22' to 27' well graded SAND, wet, medium to coarse grain		1530 TOTAL DEPTH: 27 feet Flowing sands encountered, injected approximately 25 gallons of water into borehole while drilling/building well Depth to groundwater on 03/01/12 at 1423 was 13.54'
28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40							

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** MW–8
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 8 IN	**TOTAL DEPTH:** 27 FT	**LOCATION:** EAST OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 02/29/12	**DATE FINISHED:** 03/01/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION (Flush)	USCS	DESCRIPTION	PID (ppmV)	NOTES
1–5			lockable expansion cap; traffic rated road box set in concrete; bentonite grout; bentonite chips; blank 2"ø schedule 40 PVC casing	SW	well graded SAND, dark brown (10YR 3/3), moist, fine to medium grain		Logged from cuttings Material depth shown equals auger depth when the material surfaced unless specifically called out 0815 start drilling
6–12			#3 sand filter pack	SW	well graded SAND, brown (10YR 4/3), moist, fine to medium grain	0.0	0830
13–20			2"ø 0.020 inch schedule 40 PVC factor slotted screen	SW	12' to 27' well graded SAND, brown (10YR 4/3), wet, fine to coarse grain	0.0	▼ 14.00' @ 1429 on 03/01/12 0842

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM | **BORING NUMBER:** MW–8

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
21			#3 sand filter pack				
22			2"ø 0.020 inch schedule 40 PVC screen				
23				SW	12' to 27': well graded SAND, brown (10YR 4/3), wet, fine to coarse grain		
24			2"ø schedule 40 PVC cap with $\frac{1}{16}$" holes				
25							
26			flowing native sand				
27						0.0	0852
28							TOTAL DEPTH: 27 feet
29							Drilled borehole on 02/29/12, built well on 03/01/12
30							
31							Flowing sands encountered, injected approximately 18 gallons of water into borehole while drilling/building well
32							
33							
34							
35							
36							
37							
38							
39							
40							

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** MW–9
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 8 IN	**TOTAL DEPTH:** 29 FT	**LOCATION:** SOUTH OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 02/27/12	**DATE FINISHED:** 02/28/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION (Flush)	USCS	DESCRIPTION	PID (ppmV)	NOTES
1			lockable expansion cap				Logged from cuttings
2			traffic rated road box set in concrete				Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4			bentonite grout				
5			bentonite chips				1300 start drilling
6			blank 2"ø schedule 40 PVC casing				
7				SW	well graded SAND, pale brown (10YR 6/3), dry, fine to coarse grain		
8							
9							
10							
11			#3 sand filter pack				
12							
13							▼ 13.22' @ 0940 on 02/28/12
14							
15							
16			2"ø 0.020 inch schedule 40 PVC factory slotted screen	SW	well graded SAND, pale brown (10YR 6/3), moist, fine to coarse grain		
17							
18							
19				SW	well graded SAND, pale brown (10YR 6/3), wet, fine to coarse grain		
20						0.0	

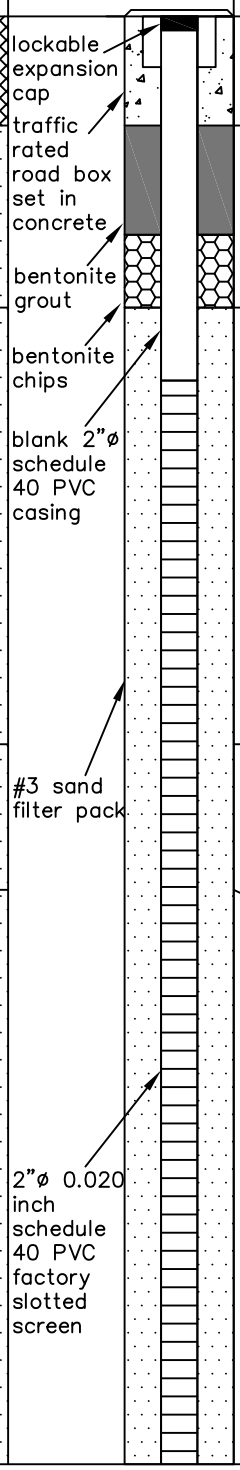
BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM | **BORING NUMBER:** MW–9

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
21			#3 sand filter pack				
22			2"ø 0.020 inch schedule 40 PVC screen				
23							
24			2"ø schedule 40 PVC cap with $\frac{1}{16}$" holes	SW	well graded SAND, pale brown (10YR 6/3), wet, fine to coarse grain	0.0	1335
25							
26			flowing native sand				
27							
28							TOTAL DEPTH: 29 feet
29							Built well up to bentonite grout on 02/27/12, built surface seal on 02/28/12
30							
31							Flowing sands encountered, injected approximately 40 gallons of water into borehole while drilling/building well
32							
33							
34							
35							Depth to groundwater on 03/01/12 at 1323 was 13.15'
36							
37							
38							
39							
40							

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** MW–10
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 8 IN	**TOTAL DEPTH:** 27 FT	**LOCATION:** SOUTHWEST OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 02/29/12	**DATE FINISHED:** 02/29/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION (Flush)	USCS	DESCRIPTION	PID (ppmV)	NOTES
1			lockable expansion cap		3" asphalt and 1' baserock		Logged from cuttings
2			traffic rated road box set in concrete				0930 Start drilling
3				SW	well graded SAND, brown (10YR 4/3), dry, fine to medium grain, small amount of gravel (angular) approximately 3/4" to 1" diameter		
4			bentonite grout				0945
5			bentonite chips				Material depth shown equals auger depth when the material surfaced unless specifically called out
6			blank 2"ø schedule 40 PVC casing				
7				SW	well graded SAND, brown (10YR 4/3), dry, fine to medium grain		
8						0.0	1000
9							
10							
11			#3 sand filter pack	SW	well graded SAND, brown (10YR 4/3), dry, fine to medium grain, small amount of gravel (angular) approximately 1/2" to 3/4" diameter		
12							
13							▼ 12.38' @ 1155 on 02/29/12
14							
15							
16			2"ø 0.020 inch schedule 40 PVC factory slotted screen	SW	well graded SAND, brown (10YR 4/3), dry, fine to medium grain	0.0	1010
17							
18							
19							
20							

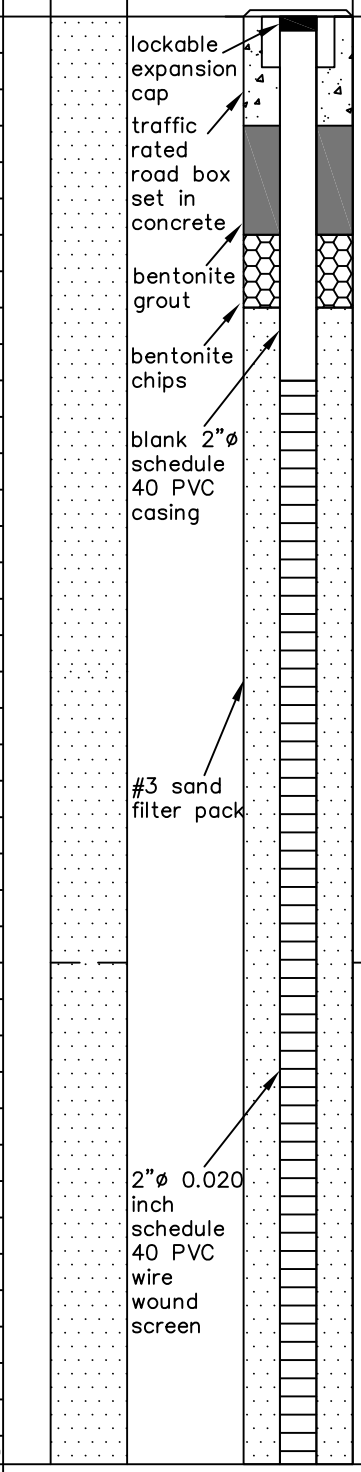
BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM | **BORING NUMBER:** MW–10

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
21			#3 sand filter pack	SW	well graded SAND, brown (10YR 4/3), wet, fine to medium grain		
22			2"ø 0.020 inch schedule 40 PVC screen				
23							
24			2"ø schedule 40 PVC cap with $\frac{1}{16}$" holes				
25							
26			flowing native sand				
27						0.0	1020
28							TOTAL DEPTH: 27 feet
29							Flowing sands encountered, injected approximately 25 gallons of water into borehole while drilling/building well
30							
31							
32							
33							Depth to groundwater on 03/01/12 at 1354 was 12.38'
34							
35							
36							
37							
38							
39							
40							

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** EW–1
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 8 IN	**TOTAL DEPTH:** 26 FT	**LOCATION:** SW CORNER OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 02/27/12	**DATE FINISHED:** 02/27/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION (Flush)	USCS	DESCRIPTION	PID (ppmV)	NOTES
1			lockable expansion cap; traffic rated road box set in concrete				Logged from cuttings
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4			bentonite grout		well graded SAND, brown (10YR 4/3), moist, fine to medium grain		
5			bentonite chips	SW			0815 Start drilling
6			blank 2"ø schedule 40 PVC casing				
7							
8						0.0	0840
9							
10							Hit hard object (cobble)
11			#3 sand filter pack	SW	well graded SAND, very dark grayish brown (10YR 3/2), moist, fine to medium grain		
12							0845
13							▼ 12.41' @ 0935 on 02/28/12
14							
15							
16			2"ø 0.020 inch schedule 40 PVC wire wound screen		well graded SAND, dark yellowish brown (10YR 4/4), moist, small amount of cobbles (>2" diameter)	0.0	0850
17				SW			
18							
19							
20							0900

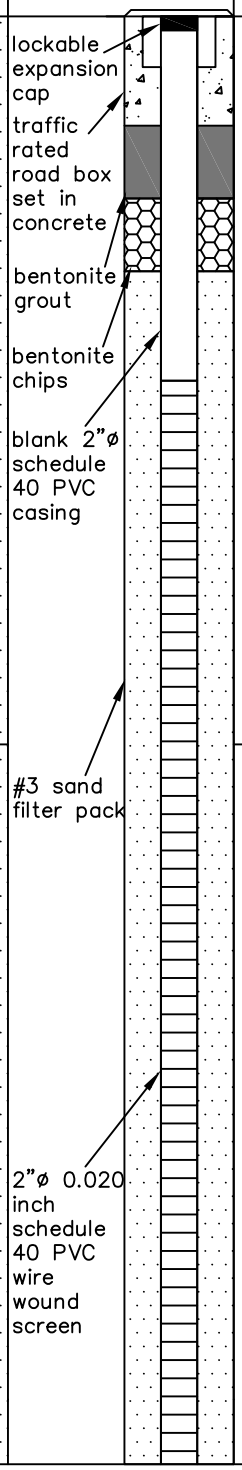
BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM | **BORING NUMBER:** EW–1

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
21			#3 sand filter pack	SW	well graded SAND, dark yellowish brown (10YR 4/4), moist, small amount of cobbles (>2" diameter)		
22			2"ø 0.020 inch schedule 40 PVC screen				
23							
24			2"ø schedule 40 PVC cap with 1/16" holes	SW	22' to 26': well graded SAND, dark yellowish brown (10YR 4/4), wet, fine to coarse grain		
25							
26			flowing native sand			0.0	0920
27							Approximately 4 feet of water in borehole
28							TOTAL DEPTH: 26 feet
29							On first attempt to set casing sand surged up 6', pulled augers and redrilled same hole
30							
31							
32							1015 augers to total depth second time
33							
34							1030 set well casing at 25 feet
35							Flowing sands encountered, injected approximately 56 gallons of water into borehole while drilling/building well
36							
37							
38							
39							Depth to groundwater on 03/01/12 at 1318 was 12.31'
40							

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** EW–2
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 8 IN	**TOTAL DEPTH:** 27 FT	**LOCATION:** SE CORNER OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 02/28/12	**DATE FINISHED:** 02/28/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION (Flush)	USCS	DESCRIPTION	PID (ppmV)	NOTES
1			lockable expansion cap				Logged from cuttings
2			traffic rated road box set in concrete				Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4			bentonite grout				
5			bentonite chips	SW	well graded SAND, brown (10YR 5/3), dry, fine to medium grain		0730 Start drilling
6			blank 2"ø schedule 40 PVC casing				
7							
8							
9						0.0	0735
10							8'–17' augers grinding on cobbles
11			#3 sand filter pack				
12							
13							▼ 12.20' @ 1050 on 02/28/12
14							
15				SW	well graded SAND, brown (10YR 5/3), moist, fine to coarse grain		
16			2"ø 0.020 inch schedule 40 PVC wire wound screen			0.0	0750
17							
18							
19				SW	well graded SAND, dark grayish brown (10YR 4/2), moist, fine to coarse grain		
20							0815

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM | **BORING NUMBER:** EW–2

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
21			#3 sand filter pack	SW	well graded SAND, dark grayish brown (10YR 4/2), moist, fine to coarse grain	0.0	0815
22			2"ø 0.020 inch schedule 40 PVC screen				
23							
24			2"ø schedule 40 PVC cap with $\frac{1}{16}$" holes				0825
25							
26			flowing native sand				
27							0905
28							TOTAL DEPTH: 27 feet
29							Flowing sands encountered, injected approximately 30 gallons of water into borehole while drilling/building well
30							
31							
32							
33							Depth to groundwater on 03/01/12 at 1328 was 14.13'
34							
35							
36							
37							
38							
39							
40							

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B–19
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 20 FT	**LOCATION:** SW CORNER OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/26/12	**DATE FINISHED:** 03/26/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
					3" concrete		Logged from cuttings
1			concrete				
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4				SW	well graded SAND, dark yellowish brown (10YR 4/4), dry to moist (feels dry but clumps), fine to medium grain		
5							1500 start drilling
6							1510
7			bentonite grout				
8							
9							
10						0.0	1513
11							
12							
13							
14				SW	well graded SAND, brown (10YR 4/3), moist, fine to medium grain		
15							
	4					0.0	1520
16	7						
	9						
17							
18							
19							TOTAL DEPTH: 20 feet
20						0.0	1530

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B-20
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 20 FT	**LOCATION:** SOUTH CENTER OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/26/12	**DATE FINISHED:** 03/26/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
					6" concrete		Logged from cuttings
1			concrete				
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4							
5							1245 start drilling
6				SW	well graded SAND, brown (10YR 4/3), dry to moist (feels dry but clumps), fine to medium grain	0.0	1250
7			bentonite grout				
8							
9							
10							1252
11							
12							
13							
14							
15	6			SW	well graded SAND, yellowish brown (10YR 5/4), dry, fine to coarse grain	0.0	1255
16	8						
	10						
17							
18				SW	17'-20' well graded SAND, dark yellowish brown (10YR 3/4), wet, fine to medium grain		▽ 17.7' @ 1325
19							TOTAL DEPTH: 20 feet
20						0.0	1315

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B-21
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 20 FT	**LOCATION:** SE CORNER OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/26/12	**DATE FINISHED:** 03/26/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
					6" concrete		Logged from cuttings
1			concrete				
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4							
5							0950 start drilling
6							
7			bentonite grout				
8				SW	well graded SAND, brown (10YR 4/3), dry, fine to medium grain		
9							8'-18' augers grinding on cobbles
10						0.0	1010
11							soil sampling: on first try rock jammed in sampler, only 3" recovered, on second try full recovery, samples retained
12							
13							
14							
15						0.0	1025
	10						
16	9						▽ 16.5' @ 1130
	15						
17					15'-20' well graded sand, dark grayish brown (10YR 4/2), wet, fine to medium grain		14': broken up rock started appearing in cuttings
18				SW			
19							TOTAL DEPTH: 20 feet
20						0.0	1110

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B–22
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 20 FT	**LOCATION:** WEST SIDE OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/27/12	**DATE FINISHED:** 03/27/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
					4" concrete		Logged from cuttings
1			concrete				
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4							
5				SW	well graded SAND, brown (10YR 4/3), dry, fine to medium grain	0.0	1000 start drilling 1005
6							5'–8' augers grinding on cobbles
7			bentonite grout				
8	8						
9	9						
	8						
10							1020
11							Large cobble
12							
13							▽ 13.2' @ 1030
14							
15				SW	well graded SAND, very dark grayish brown (10YR 3/2), moist, fine to coarse grain		
16							
17							
18							
19							TOTAL DEPTH: 20 feet
20						0.0	1025

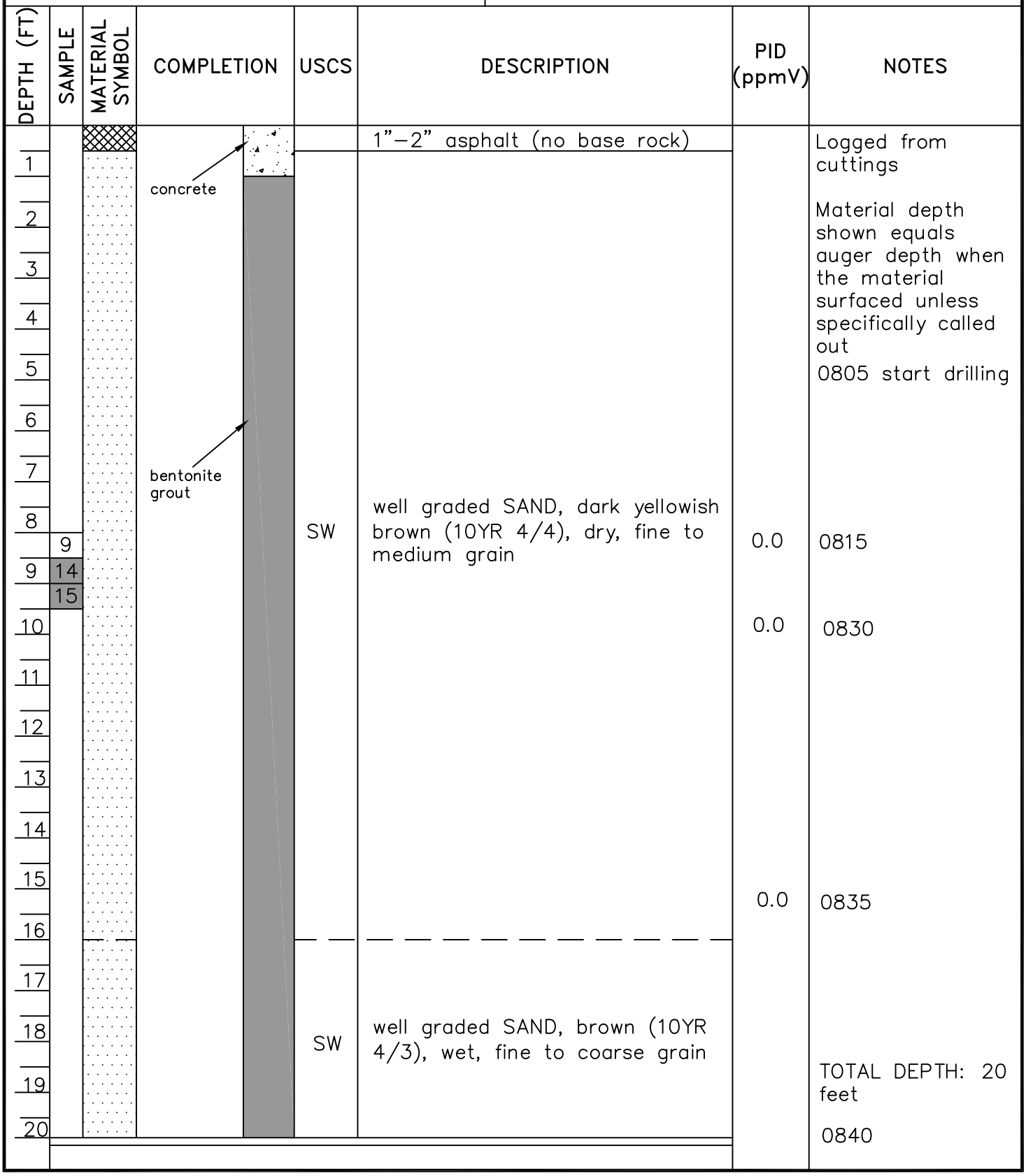
BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B-23
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 15 FT	**LOCATION:** CENTER OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/26/12	**DATE FINISHED:** 03/26/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
					3"-4" concrete		Logged from cuttings
1			concrete				
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4							
5						0.0	1640 start drilling 1642
6							
7			bentonite grout				
8				SW	well graded SAND, brown (10YR 5/3), dry, fine to medium grain		▽ 8.8' @ 1652
9							Large cobble
10							1645
11							
12							Cobble
13	4						TOTAL DEPTH: 15 feet
	4						
14	5						Cobble
15						0.0	1647
16							Soil sample: at 15' sand surged up 7' into augers, pulled up augers to collect a sample, first try no recovery, had recovered 1.5 tubes of soil after third try
17							
18							
19							
20							

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B–24
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 20 FT	**LOCATION:** EAST SIDE OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/27/12	**DATE FINISHED:** 03/27/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
					1"–2" asphalt (no base rock)		Logged from cuttings
1			concrete				Material depth shown equals auger depth when the material surfaced unless specifically called out
2							
3							
4							
5							0805 start drilling
6							
7			bentonite grout				
8				SW	well graded SAND, dark yellowish brown (10YR 4/4), dry, fine to medium grain		
	9					0.0	0815
9	14						
	15						
10						0.0	0830
11							
12							
13							
14							
15						0.0	0835
16							
17							
18				SW	well graded SAND, brown (10YR 4/3), wet, fine to coarse grain		
19							TOTAL DEPTH: 20 feet
20							0840

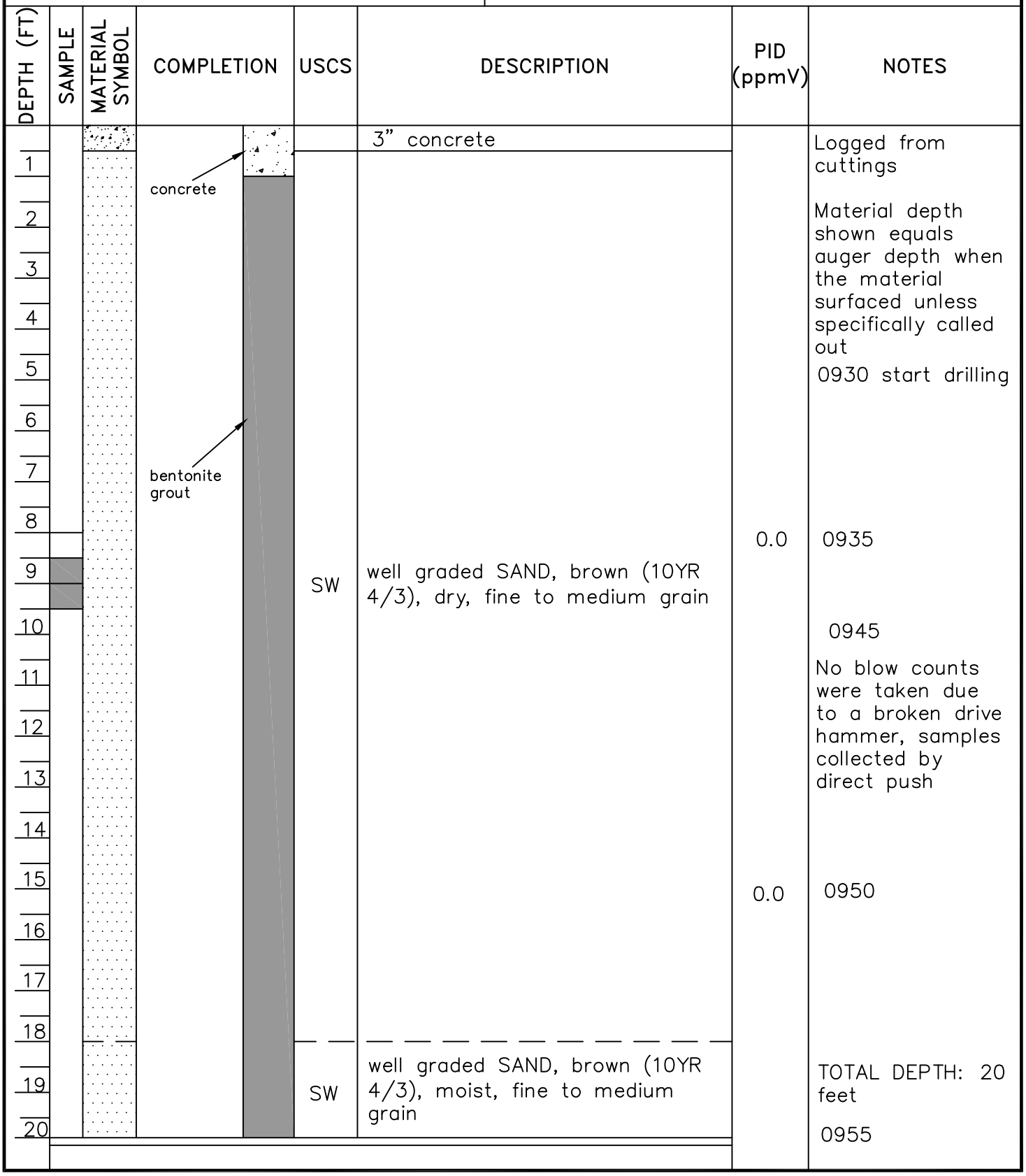
BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B–25
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 20 FT	**LOCATION:** WEST SIDE OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/27/12	**DATE FINISHED:** 03/27/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
					4" concrete		Logged from cuttings
1			concrete				
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4							
5							1140 start drilling
6							
7			bentonite grout				
8						0.0	1147
9							Cobble
10				SW	well graded SAND, brown (10YR 4/3), dry, fine to medium grain		1225
11							No blow counts were taken due to a broken drive hammer, samples collected by direct push
12							
13							
14							▽ 14.4'
15						0.0	1227
16							Hole is slow to recharge while collecting water samples
17							
18							
19							TOTAL DEPTH: 20 feet
20							1235

BOREHOLE LOG

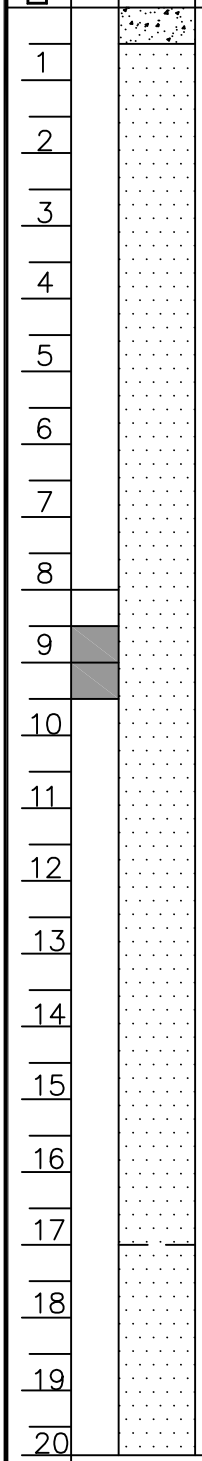
PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B–26
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 20 FT	**LOCATION:** CENTER OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/29/12	**DATE FINISHED:** 03/29/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
					3" concrete		Logged from cuttings
1			concrete				Material depth shown equals auger depth when the material surfaced unless specifically called out
2							
3							
4							
5							0930 start drilling
6							
7			bentonite grout				
8						0.0	0935
9				SW	well graded SAND, brown (10YR 4/3), dry, fine to medium grain		
10							0945
11							No blow counts were taken due to a broken drive hammer, samples collected by direct push
12							
13							
14							
15						0.0	0950
16							
17							
18							
19				SW	well graded SAND, brown (10YR 4/3), moist, fine to medium grain		TOTAL DEPTH: 20 feet
20							0955

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B-27
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 20 FT	**LOCATION:** EAST OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/29/12	**DATE FINISHED:** 03/29/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
					3" concrete		Logged from cuttings
1			concrete				
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4							
5							0755 start drilling
6						0.0	0803
7			bentonite grout				
8				SW	well graded SAND, dark yellowish brown (10YR 4/4), dry, fine to medium grain		0808
9							No blow counts were taken due to a broken drive hammer, samples collected by direct push
10							
11							
12							
13							
14							∇ 13.8' @ 0840
15						0.0	0827
16							
17							
18				SW	well graded SAND, dark yellowish brown (10YR 4/4), moist, fine to medium grain		
19							TOTAL DEPTH: 20 feet
20							0835

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B-28
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 24 FT	**LOCATION:** WEST SIDE OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/28/12	**DATE FINISHED:** 03/28/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
1			native soil		soil, minor vegetation		Logged from cuttings
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3				SW	well graded SAND, brown (10YR 4/3), dry, fine to medium grain		
4							
5							0815 start drilling
6							0818
7			bentonite grout				Large cobble
8							
9						0.0	0824
10							0845
11							Large cobble
12							No blow counts were taken due to a broken drive hammer, samples collected by direct push
13				SW	well graded SAND, brown (10YR 5/3), dry, fine to medium grain		
14							Small cobble
15						0.0	0846
16							▽ 15.6' @ 0904
17							Broken up rock started surfacing in cuttings
18							
19							
20							0852

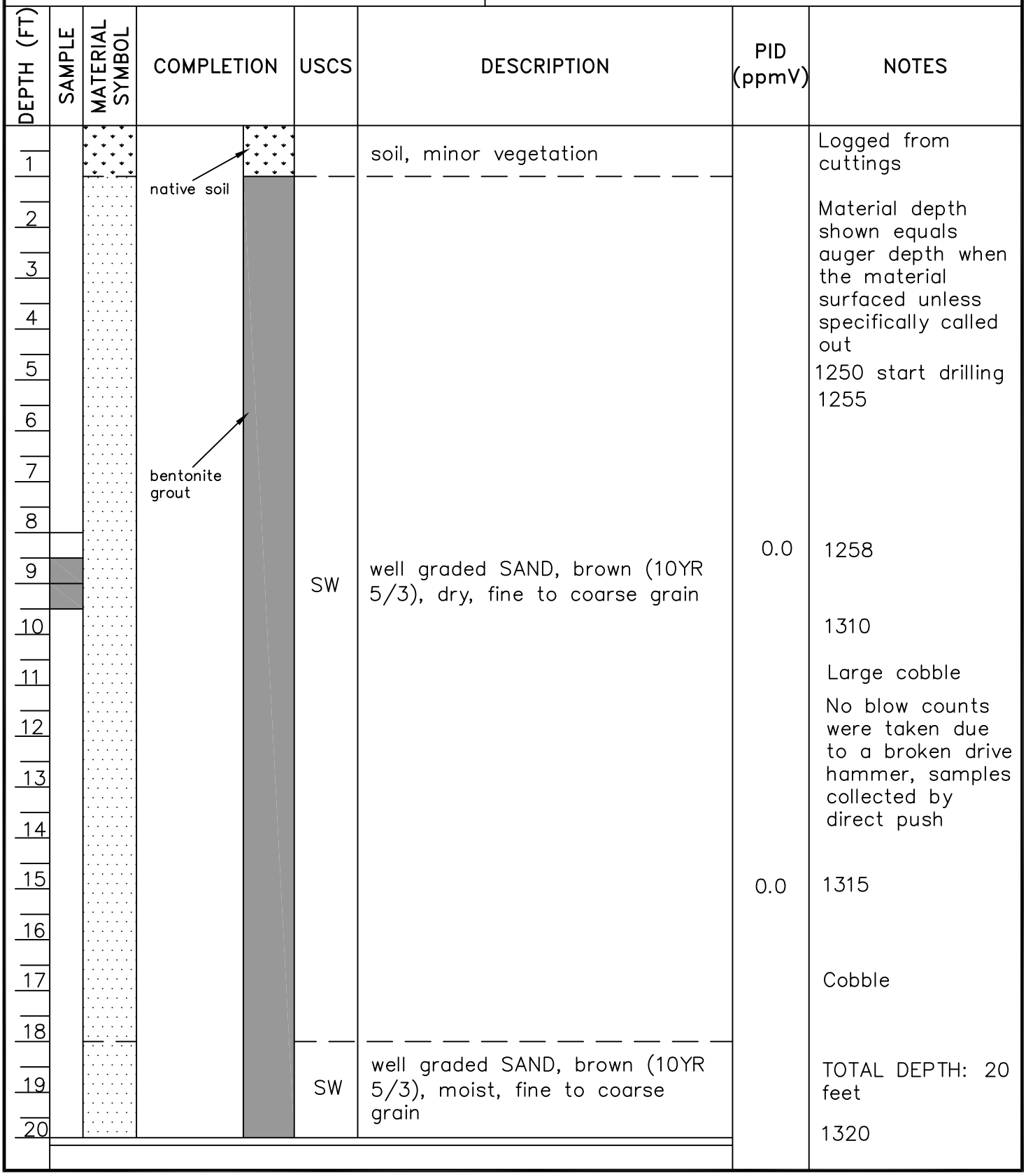
BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM | **BORING NUMBER:** B-28

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
21							
22				SW	well graded SAND, brown (10YR 5/3), dry, fine to medium grain		
23			bentonite grout				
24						0.0	0900
25							TOTAL DEPTH: 24 feet
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

BOREHOLE LOG

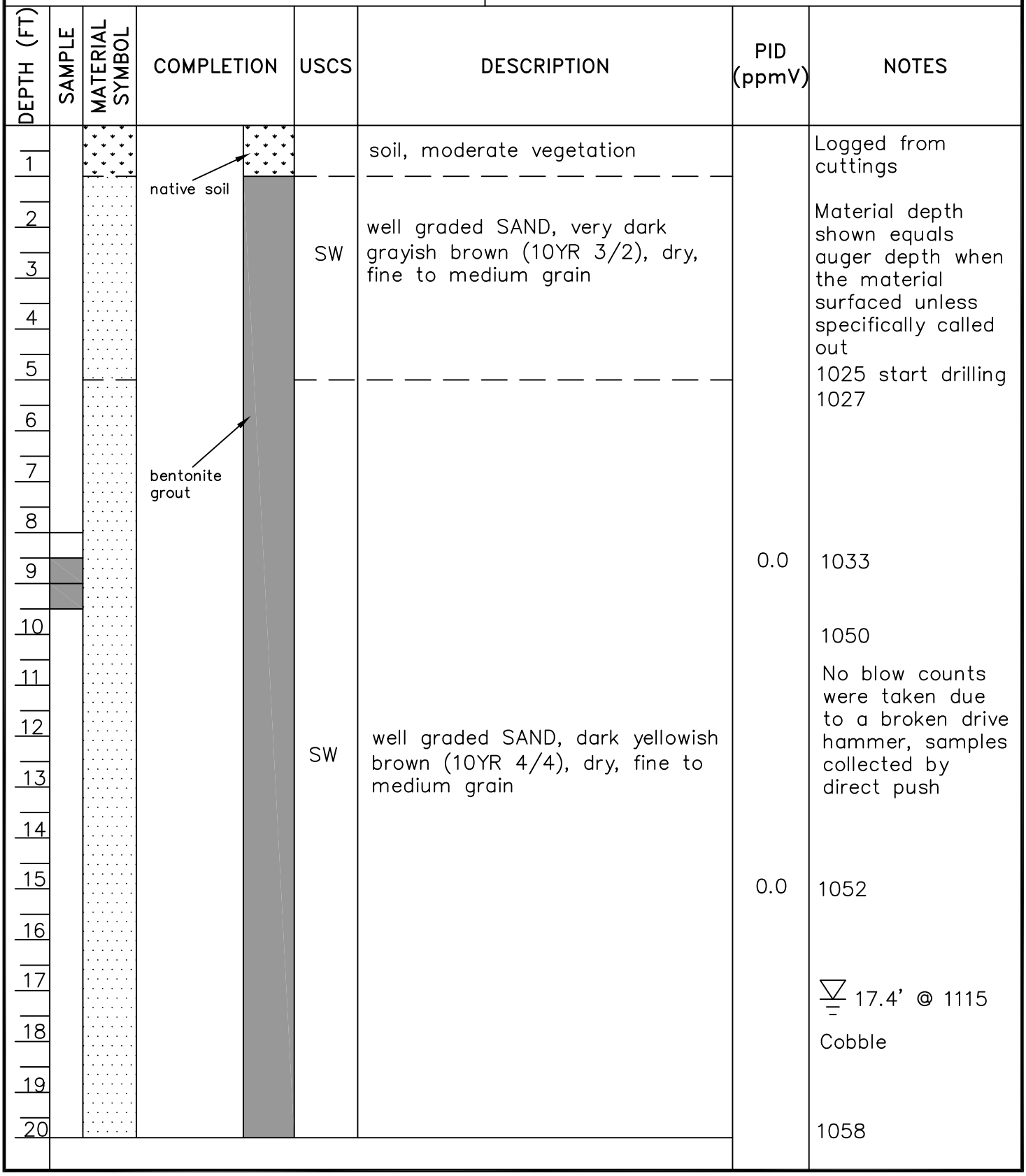
PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B–29
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 20 FT	**LOCATION:** CENTER OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/28/12	**DATE FINISHED:** 03/28/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
1					soil, minor vegetation		Logged from cuttings
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4							
5							1250 start drilling
6							1255
7							
8							
9				SW	well graded SAND, brown (10YR 5/3), dry, fine to coarse grain	0.0	1258
10							1310
11							Large cobble
12							No blow counts were taken due to a broken drive hammer, samples collected by direct push
13							
14							
15						0.0	1315
16							
17							Cobble
18							
19				SW	well graded SAND, brown (10YR 5/3), moist, fine to coarse grain		TOTAL DEPTH: 20 feet
20							1320

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B–30
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 24 FT	**LOCATION:** EAST SIDE OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/28/12	**DATE FINISHED:** 03/28/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
1					soil, moderate vegetation		Logged from cuttings
2				SW	well graded SAND, very dark grayish brown (10YR 3/2), dry, fine to medium grain		Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4							
5							1025 start drilling 1027
6							
7							
8							
9						0.0	1033
10							1050
11							No blow counts were taken due to a broken drive hammer, samples collected by direct push
12				SW	well graded SAND, dark yellowish brown (10YR 4/4), dry, fine to medium grain		
13							
14							
15						0.0	1052
16							
17							▽ 17.4' @ 1115
18							Cobble
19							
20							1058

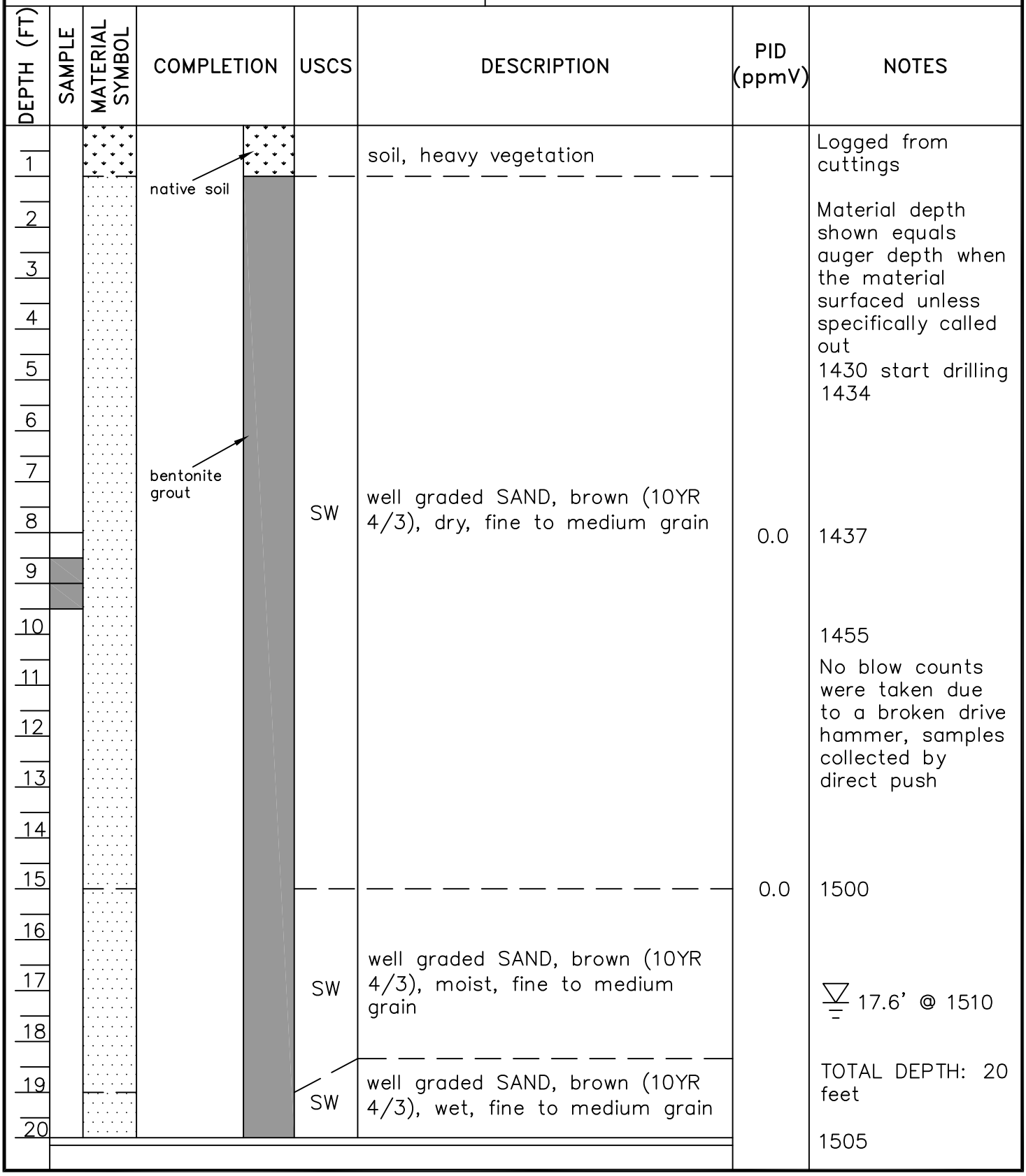
BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM | **BORING NUMBER:** B-30

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
21			bentonite grout	SW	well graded SAND, dark yellowish brown (10YR 4/4), wet, fine to medium grain		
22							
23							
24						0.0	1102
25							TOTAL DEPTH: 24 feet
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

BOREHOLE LOG

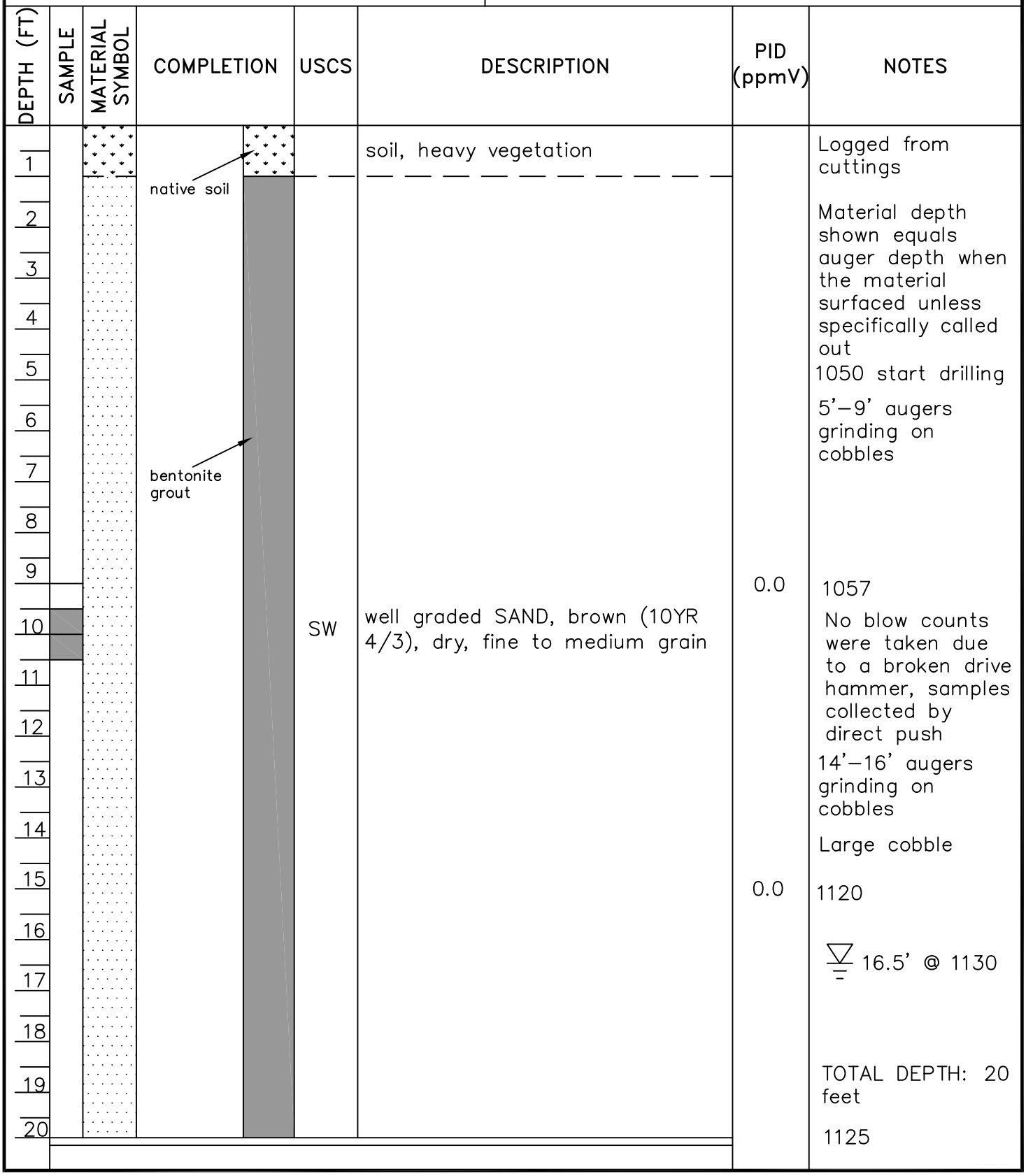
PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B-31
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 20 FT	**LOCATION:** NW CORNER OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/28/12	**DATE FINISHED:** 03/28/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
1					soil, heavy vegetation		Logged from cuttings
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4							
5							1430 start drilling 1434
6							
7							
8				SW	well graded SAND, brown (10YR 4/3), dry, fine to medium grain	0.0	1437
9							
10							1455
11							No blow counts were taken due to a broken drive hammer, samples collected by direct push
12							
13							
14							
15						0.0	1500
16							
17				SW	well graded SAND, brown (10YR 4/3), moist, fine to medium grain		▽ 17.6' @ 1510
18							
19				SW	well graded SAND, brown (10YR 4/3), wet, fine to medium grain		TOTAL DEPTH: 20 feet
20							1505

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B–32
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 20 FT	**LOCATION:** NORTH CENTER OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/29/12	**DATE FINISHED:** 03/29/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	



DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
1					soil, heavy vegetation		Logged from cuttings
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4							
5							1050 start drilling
6							5'–9' augers grinding on cobbles
7							
8							
9						0.0	1057
10				SW	well graded SAND, brown (10YR 4/3), dry, fine to medium grain		No blow counts were taken due to a broken drive hammer, samples collected by direct push
11							
12							
13							14'–16' augers grinding on cobbles
14							Large cobble
15						0.0	1120
16							
17							▽ 16.5' @ 1130
18							
19							TOTAL DEPTH: 20 feet
20							1125

BOREHOLE LOG

PROJECT NAME: RINCON MUSHROOM FARM		**BORING NUMBER:** B–33
DRILLING COMPANY: PACIFIC DRILLING CO.	**DRILLING METHOD:** HSA	**DRILLED BY:** GORDY
BOREHOLE DIAMETER: 6 IN	**TOTAL DEPTH:** 20 FT	**LOCATION:** NE CORNER OF SITE
DEPTH TO BEDROCK: UNKNOWN	**DATE STARTED:** 03/29/12	**DATE FINISHED:** 03/29/12
LOGGED BY: DANE FRANK	**CHECKED BY:** EARL STEPHENS	

DEPTH (FT)	SAMPLE	MATERIAL SYMBOL	COMPLETION	USCS	DESCRIPTION	PID (ppmV)	NOTES
1			native soil		soil, heavy vegetation		Logged from cuttings
2							Material depth shown equals auger depth when the material surfaced unless specifically called out
3							
4							
5							1205 start drilling
6							
7			bentonite grout				
8						0.0	1208
9							No blow counts were taken due to a broken drive hammer, samples collected by direct push
10				SW	well graded SAND, brown (10YR 4/3), dry, fine to medium grain		
11							
12							
13							
14							
15							▽ 15.0' @ 1230
16							
17							
18							
19							TOTAL DEPTH: 20 feet
20						0.0	1220

APPENDIX C

Purge Data Sheets

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name:	Rincon Mushroom Farm	Date:	03/29/12
Project Location:	33777 Valley Center Road Valley Center, California		
Performed By:	Stephen Lane		

Well Number:	MW-1	Well Location: Northeast corner of south casino parking lot	
Depth to Water:	11.21 @ 0815	Depth of Well:	25.50 ft
Product Thickness:	0.00 in	Water Thickness:	14.29 ft
Well Diameter:	2 in	Casing Elevation:	863.91 ft
Well Screen:	20 ft	Groundwater Elevation:	852.70 ft

Calculated Volume of Water to be Purged: 7.15 gallons

Purging Information: Purge Time: Start: 1100 Date Purged: 03/29/12

End: 1112

Actual Volume Purged: 7¼ gallons

Dissolved Oxygen Before Purge: 4.85 mg/L After Sampling: 2.60 mg/L

Depth To Water After Purge: 11.22 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	pH	Temp (deg. C)
1104	2	434.1	298.1	91	7.18	18.5
1106	4	432.3	297.1	81	7.20	18.4
1109	6	429.7	295.8	77	7.16	18.5
1112	7¼	431.3	295.5	80	7.13	18.7

Date Sampled:	03/29/12	Depth to Water Meter	# 3
Time Sampled:	1124	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name:	Rincon Mushroom Farm	Date:	03/29/12
Project Location:	33777 Valley Center Road Valley Center, California		
Performed By:	Stephen Lane		

Well Number:	MW-2	Well Location: Middle of south parking lot along Valley Center Rd	
Depth to Water:	12.44 @ 0748	Depth of Well:	25.50 ft
Product Thickness:	0.00 in	Water Thickness:	13.06 ft
Well Diameter:	2 in	Casing Elevation:	865.90 ft
Well Screen:	20 ft	Groundwater Elevation:	853.46 ft

Calculated Volume of Water to be Purged: 6.53 gallons

Purging Information: Purge Time: Start: 1023 Date Purged: 03/29/12

End: 1038

Actual Volume Purged: 6¾ gallons

Dissolved Oxygen Before Purge: 3.57 mg/L After Sampling: 0.63 mg/L

Depth To Water After Purge: 14.11 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	pH	Temp (deg. C)
1029	1½	562.2	388.9	98	7.20	17.7
1031	3	560.2	387.9	93	7.20	18.0
1033	4½	570.7	396.4	92	7.23	18.3
1038	6¾	579.8	402.7	89	7.24	18.2

Date Sampled:	03/29/12	Depth to Water Meter	# 3
Time Sampled:	1045	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name:	Rincon Mushroom Farm	Date:	03/29/12
Project Location:	33777 Valley Center Road Valley Center, California		
Performed By:	Stephen Lane		

Well Number:	MW-3	Well Location: Middle north of south parking lot, under oak tree	
Depth to Water:	10.88 @ 0738	Depth of Well:	25.40 ft
Product Thickness:	0.00 in	Water Thickness:	14.52 ft
Well Diameter:	2 in	Casing Elevation:	863.36 ft
Well Screen:	20 ft	Groundwater Elevation:	852.48 ft

Calculated Volume of Water to be Purged: 7.26 gallons

Purging Information: Purge Time: Start: 0945 Date Purged: 03/29/12

End: 0958

Actual Volume Purged: 7½ gallons

Dissolved Oxygen Before Purge: 3.52 mg/L After Sampling: 1.60 mg/L

Depth To Water After Purge: 10.88 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	pH	Temp (deg. C)
0950	1½	586.3	407.8	98	7.13	17.6
0952	3	586.2	407.1	104	7.01	18.1
0955	4½	583.9	405.7	105	7.02	18.1
0958	7½	588.3	408.7	105	7.03	17.9

Date Sampled:	03/29/12	Depth to Water Meter	# 3
Time Sampled:	1010	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 03/26/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Stephen Lane

Well Number:	MW-4	Well Location: Southeast of Casino front entrance, in parking lot	
Depth to Water:	10.95 @ 1655	Depth of Well:	24.53 ft
Product Thickness:	0.00 in	Water Thickness:	13.58 ft
Well Diameter:	2 in	Casing Elevation:	862.63 ft
Well Screen:	20 ft	Groundwater Elevation:	851.68 ft

Calculated Volume of Water to be Purged: 250 gallons

Purging Information: Purge Time: Start: 1700 Date Purged: 03/26/12

End: 1739

Actual Volume Purged: 250 gallons

Dissolved Oxygen Before Purge: 6.76 mg/L After Sampling: 4.59 mg/L

Depth To Water After Purge: 11.24 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (µS)	TDS (ppm)	ORP (mV)	pH	Temp (deg. C)
1707	50	442.0	301.8	149	7.29	20.3
1716	100	449.8	308.4	82	7.24	19.3
1723	150	437.1	299.5	55	7.21	19.4
1731	200	446.3	306.0	30	7.22	19.3
1739	250	437.1	299.7	2	7.28	19.2

Date Sampled:	03/26/12	Depth to Water Meter	# 3
Time Sampled:	1800	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Ran clear after approximately 50 gallons, DTW = 19.37 feet at 250 gallons (prior to the stop of pumping)		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 03/27/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Stephen Lane

Well Number:	MW-5	Well Location: North of Site, on Morales Road	
Depth to Water:	14.13 @ 1135	Depth of Well:	25.07 ft
Product Thickness:	0.00 in	Water Thickness:	10.94 ft
Well Diameter:	2 in	Casing Elevation:	866.97 ft
Well Screen:	20 ft	Groundwater Elevation:	852.84 ft

Calculated Volume of Water to be Purged: 250 gallons

Purging Information: Purge Time: Start: 1140 Date Purged: 03/27/12

End: 1212

Actual Volume Purged: 250 gallons

Dissolved Oxygen Before Purge: 3.82 mg/L After Sampling: 3.18 mg/L

Depth To Water After Purge: 14.64 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	pH	Temp (deg. C)
1146	50	455.5	312.6	47	7.60	19.5
1152	100	446.8	302.0	20	7.45	20.2
1158	150	448.0	310.1	-20	7.32	20.4
1204	200	440.6	303.1	-7	7.24	19.0
1212	250	441.3	302.1	5	7.21	19.1

Date Sampled:	03/27/12	Depth to Water Meter	# 3
Time Sampled:	1235	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, went clear after approximately 65 gallons, DTW = 16.44 feet at 50 gallons		

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APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 03/27/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Stephen Lane

Well Number:	MW-6	Well Location: E of Site, just S of concrete on Walker Wood property	
Depth to Water:	14.38 @ 1442	Depth of Well:	24.64 ft
Product Thickness:	0.00 in	Water Thickness:	10.26 ft
Well Diameter:	2 in	Casing Elevation:	868.85 ft
Well Screen:	20 ft	Groundwater Elevation:	854.47 ft

Calculated Volume of Water to be Purged: 250 gallons

Purging Information: Purge Time: Start: 1450 Date Purged: 03/27/12

End: 1517

Actual Volume Purged: 260 gallons

Dissolved Oxygen Before Purge: 7.09 mg/L After Sampling: 4.84 mg/L

Depth To Water After Purge: 14.43 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	pH	Temp (deg. C)
1454	50	492.6	335.2	61	7.28	21.5
1458	100	472.7	324.4	55	7.20	18.8
1510	150	484.2	330.7	24	7.25	20.8
1513	200	476.6	326.7	-5	7.33	18.9
1517	250	467.7	321.2	3	7.27	18.4

Date Sampled:	03/27/12	Depth to Water Meter	# 3
Time Sampled:	1535	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, water went clear after approximately 80 gallons, DTW = approximately 16 feet during pumping		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name:	Rincon Mushroom Farm	Date:	03/28/12
Project Location:	33777 Valley Center Road Valley Center, California		
Performed By:	Stephen Lane		

Well Number:	MW-7	Well Location: E of Site, in SW corner of Walker Wood property	
Depth to Water:	13.58 @ 1420	Depth of Well:	24.64 ft
Product Thickness:	0.00 in	Water Thickness:	11.06 ft
Well Diameter:	2 in	Casing Elevation:	868.67 ft
Well Screen:	20 ft	Groundwater Elevation:	855.09 ft

Calculated Volume of Water to be Purged: 250 gallons

Purging Information: Purge Time: Start: 1430 Date Purged: 03/28/12

End: 1623

Actual Volume Purged: 250 gallons

Dissolved Oxygen Before Purge: 4.66 mg/L After Sampling: 7.53 mg/L

Depth To Water After Purge: 14.71 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	pH	Temp (deg. C)
1440	50	469.8	319.2	47	7.25	21.9
1455	100	472.5	320.1	-12	7.33	23.3
1520	150	469.1	319.4	-18	7.31	21.9
1551	200	469.2	319.7	-16	7.26	21.8
1623	250	466.1	317.7	-1	7.26	21.6

Date Sampled:	03/28/12	Depth to Water Meter	# 3
Time Sampled:	1640	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Slightly turbid, brown, went clear after approximately 50 gallons, DTW = 17.05 feet at 25 gallons, well nearly dry at 50 gallons, decreased flow to maintain purge		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 03/27/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	MW-8	Well Location: E of Site, in SE corner of Walker Wood property	
Depth to Water:	13.99 @ 1550	Depth of Well:	25.47 ft
Product Thickness:	0.00 in	Water Thickness:	11.48 ft
Well Diameter:	2 in	Casing Elevation:	869.91 ft
Well Screen:	20 ft	Groundwater Elevation:	855.92 ft

Calculated Volume of Water to be Purged: 180 gallons

Purging Information: Purge Time: Start: 1620 Date Purged: 03/27/12

End: 1638

Actual Volume Purged: 190 gallons

Dissolved Oxygen Before Purge: 5.48 mg/L After Sampling: 5.43 mg/L

Depth To Water After Purge: 14.13 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	pH	Temp (deg. C)
1624	20	1,333	989.6	49	6.50	21.0
1626	50	730.7	509.5	20	6.51	20.4
1630	100	490.0	337.9	31	6.42	20.0
1634	150	608.9	426.4	29	6.44	19.9
1637	180	539.2	393.6	-7	6.49	19.9

Date Sampled:	03/27/12	Depth to Water Meter	# 3
Time Sampled:	1655	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, went clear after approximately 40 gallons, no odor, DTW = approximately 14.7 feet while pumping		

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APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 03/28/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Stephen Lane

Well Number:	MW-9	Well Location: South of Site, in middle of field	
Depth to Water:	13.24 @ 0713	Depth of Well:	25.35 ft
Product Thickness:	0.00 in	Water Thickness:	12.11 ft
Well Diameter:	2 in	Casing Elevation:	868.55 ft
Well Screen:	20 ft	Groundwater Elevation:	855.31 ft

Calculated Volume of Water to be Purged: 180 gallons

Purging Information: Purge Time: Start: 0718 Date Purged: 03/28/12

End: 0745

Actual Volume Purged: 180 gallons

Dissolved Oxygen Before Purge: 5.68 mg/L After Sampling: 3.21 mg/L

Depth To Water After Purge: 13.31 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	pH	Temp (deg. C)
0728	50	524.3	360.7	65	7.18	20.2
0734	100	515.9	358.7	27	7.21	19.9
0739	150	518.1	357.2	-5	7.28	19.1
0745	180	515.4	353.8	-9	7.30	20.1

Date Sampled:	03/28/12	Depth to Water Meter	# 3
Time Sampled:	0812	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Very turbid, brown, went clear after approximately 20 gallons, DTW = 14.40 feet at 30 gallons, DTW = 14.54 feet at 100 gallons and 150 gallons		

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APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 03/26/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Stephen Lane

Well Number:	MW-10	Well Location: Southwest of Site, in south Casino parking lot	
Depth to Water:	12.42 @ 1440	Depth of Well:	25.10 ft
Product Thickness:	0.00 in	Water Thickness:	12.68 ft
Well Diameter:	2 in	Casing Elevation:	866.70 ft
Well Screen:	20 ft	Groundwater Elevation:	854.28 ft

Calculated Volume of Water to be Purged: 250 gallons

Purging Information: Purge Time: Start: 1445 Date Purged: 03/26/12

End: 1525

Actual Volume Purged: 250 gallons

Dissolved Oxygen Before Purge: 4.29 mg/L After Sampling: 4.89 mg/L

Depth To Water After Purge: 12.48 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	pH	Temp (deg. C)
1457	50	1,408	1,001	263	6.70	20.9
1504	100	703.3	486.8	139	6.90	21.1
1510	150	690.5	476.6	102	6.96	21.6
1517	200	690.4	475.8	81	6.99	22.0
1525	250	679.7	465.9	71	7.02	23.6

Date Sampled:	03/26/12	Depth to Water Meter	# 3
Time Sampled:	1552	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Went clear after approximatley 40 gallons, DTW = 13.40 feet at 1520 while pumping		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 03/27/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Stephen Lane

Well Number:	EW-1	Well Location: Just south of southwest corner of Site	
Depth to Water:	12.35 @ 0755	Depth of Well:	25.07 ft
Product Thickness:	0.00 in	Water Thickness:	12.72 ft
Well Diameter:	2 in	Casing Elevation:	866.77 ft
Well Screen:	20 ft	Groundwater Elevation:	854.42 ft

Calculated Volume of Water to be Purged: 560 gallons

Purging Information: Purge Time: Start: 0800 Date Purged: 03/27/12

End: 0954

Actual Volume Purged: 560 gallons

Dissolved Oxygen Before Purge: 1.64 mg/L After Sampling: 1.32 mg/L

Depth To Water After Purge: 12.49 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	pH	Temp (deg. C)
0815	150	597.5	413.6	111	7.22	20.5
0830	300	601.0	416.4	77	7.27	19.5
0944	450	605.3	418.6	52	7.31	20.5
0954	560	602.7	415.6	5	7.27	21.4

Date Sampled:	03/27/12	Depth to Water Meter	# 3
Time Sampled:	1005	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Slightly turbid, brown, went to clear after approximately 120 gallons, unidentified odor, DTW = 14.87 feet at 90 gallons, DTW = 15.36 feet at 200 gallons, stopped purge at 0830, restarted purge at 0933		

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APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name:	Rincon Mushroom Farm	Date:	03/28/12
Project Location:	33777 Valley Center Road Valley Center, California		
Performed By:	Stephen Lane		

Well Number:	EW-2	Well Location: Just south of southeast corner of Site	
Depth to Water:	12.21 @ 0950	Depth of Well:	25.27 ft
Product Thickness:	0.00 in	Water Thickness:	13.06 ft
Well Diameter:	2 in	Casing Elevation:	867.52 ft
Well Screen:	20 ft	Groundwater Elevation:	855.31 ft

Calculated Volume of Water to be Purged: 300 gallons

Purging Information: Purge Time: Start: 1000 Date Purged: 03/28/12

End: 1030

Actual Volume Purged: 300 gallons

Dissolved Oxygen Before Purge: 5.85 mg/L After Sampling: 2.96 mg/L

Depth To Water After Purge: 12.22 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	pH	Temp (deg. C)
1005	50	464.3	217.3	75	7.41	20.9
1013	150	456.0	310.3	43	7.32	21.6
1020	250	458.5	312.1	1	7.38	21.6
1030	300	457.7	311.8	-2	7.33	21.5

Date Sampled:	03/28/12	Depth to Water Meter	# 3
Time Sampled:	1045	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, went clear after approximately 50 gallons, DTW = 12.77 feet at 200 gallons		

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APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 09/25/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	MW-1	Well Location: Northeast corner of south casino parking lot	
Depth to Water:	12.79 at 0810	Depth of Well:	25.50 ft
Product Thickness:	0.00 in	Water Thickness:	12.71 ft
Well Diameter:	2 in	Casing Elevation:	863.91 ft
Well Screen:	20 ft	Groundwater Elevation:	851.12 ft

Calculated Volume of Water to be Purged: 29.61 gallons

Purging Information: Purge Time: Start: 1133 Date Purged: 09/25/12

End: 1144

Actual Volume Purged: 34 gallons

Dissolved Oxygen Before Purge: 0.67 mg/L After Sampling: 1.49 mg/L

Depth To Water After Purge: 12.80 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
1134	1	453.6	303.2	20	0.67	6.89	27.4
1139	10	460.3	308.0	14	1.21	7.00	26.9
1141	20	454.4	306.0	11	1.03	6.92	25.2
1143	30	455.5	307.6	14	1.01	6.93	24.4

Date Sampled:	09/25/12	Depth to Water Meter	# 3
Time Sampled:	1550	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, no odor, went clear after approximately 18 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 09/25/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	MW-4	Well Location: Southeast of Casino front entrance, in parking lot	
Depth to Water:	12.57 at 0745	Depth of Well:	24.53 ft
Product Thickness:	0.00 in	Water Thickness:	11.96 ft
Well Diameter:	2 in	Casing Elevation:	862.63 ft
Well Screen:	20 ft	Groundwater Elevation:	850.06 ft

Calculated Volume of Water to be Purged: 27.87 gallons

Purging Information: Purge Time: Start: 1029 Date Purged: 09/25/12

End: 1038

Actual Volume Purged: 37 gallons

Dissolved Oxygen Before Purge: 1.69 mg/L After Sampling: 1.22 mg/L

Depth To Water After Purge: 12.60 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
1029	1	471.8	319.3	230	1.69	6.42	24.0
1031	10	463.1	314.4	133	1.41	6.56	22.7
1033	20	458.1	311.4	115	1.03	6.65	22.1
1035	30	454.8	309.1	95	1.06	6.69	22.1
1037	34	456.3	310.0	63	1.04	6.64	22.2

Date Sampled:	09/26/12	Depth to Water Meter	# 6
Time Sampled:	0705	DO Meter	# 3
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 3
Sample Containers:	6 VOAs, 1-250 ml poly		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE, nitrates		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Slightly turbid, gray, no odor		

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APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 09/25/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	MW-5	Well Location: North of Site, on Morales Road	
Depth to Water:	15.70 at 0828	Depth of Well:	25.07 ft
Product Thickness:	0.00 in	Water Thickness:	9.37 ft
Well Diameter:	2 in	Casing Elevation:	866.97 ft
Well Screen:	20 ft	Groundwater Elevation:	851.27 ft

Calculated Volume of Water to be Purged: 21.83 gallons

Purging Information: Purge Time: Start: 1205 Date Purged: 09/25/12

End: 1214

Actual Volume Purged: 28 gallons

Dissolved Oxygen Before Purge: 2.24 mg/L After Sampling: 2.93 mg/L

Depth To Water After Purge: 15.75 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
1205	1	503.4	340.7	61	2.24	6.85	24.6
1208	8	494.6	337.4	29	1.85	6.86	21.9
1210	16	497.1	339.4	19	1.79	6.86	21.7
1212	24	502.7	343.6	16	1.77	6.86	21.2
1213	26	500.4	342.1	15	1.76	6.87	21.6

Date Sampled:	09/25/12	Depth to Water Meter	# 6
Time Sampled:	1610	DO Meter	# 3
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 3
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, light brown, no odor, went clear after approximately 12 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name:	Rincon Mushroom Farm	Date:	09/25/12
Project Location:	33777 Valley Center Road Valley Center, California		
Performed By:	Dane Frank		

Well Number:	MW-6	Well Location: E of Site, just S of concrete on Walker Wood property	
Depth to Water:	15.92 at 0840	Depth of Well:	24.64 ft
Product Thickness:	0.00 in	Water Thickness:	8.72 ft
Well Diameter:	2 in	Casing Elevation:	868.85 ft
Well Screen:	20 ft	Groundwater Elevation:	852.93 ft

Calculated Volume of Water to be Purged: 20.32 gallons

Purging Information: Purge Time: Start: 1031 Date Purged: 09/26/12

End: 1038

Actual Volume Purged: 28 gallons

Dissolved Oxygen Before Purge: 1.46 mg/L After Sampling: 1.88 mg/L

Depth To Water After Purge: 15.95 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
1031	1	467.7	319.0	53	1.46	7.25	21.4
1033	8	470.6	321.5	10	1.73	7.19	20.6
1035	16	471.2	322.5	-4	1.67	7.15	20.4
1037	24	473.4	324.7	-9	1.67	7.07	20.4
1038	26	471.6	322.9	-8	1.66	7.08	20.3

Date Sampled:	09/26/12	Depth to Water Meter	# 6
Time Sampled:	1135	DO Meter	# 3
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 3
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, no odor		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 09/25/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	MW-7	Well Location: E of Site, in SW corner of Walker Wood property	
Depth to Water:	15.11 at 0847	Depth of Well:	24.64 ft
Product Thickness:	0.00 in	Water Thickness:	9.53 ft
Well Diameter:	2 in	Casing Elevation:	868.67 ft
Well Screen:	20 ft	Groundwater Elevation:	853.56 ft

Calculated Volume of Water to be Purged: 22.20 gallons

Purging Information: Purge Time: Start: 0908 Date Purged: 09/26/12

End: 0918

Actual Volume Purged: 28 gallons

Dissolved Oxygen Before Purge: 0.67 mg/L After Sampling: 1.47 mg/L

Depth To Water After Purge: 15.20 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
0908	1	577.5	400.9	31	0.67	7.25	18.3
0910	8	553.6	382.1	2	0.36	7.17	18.6
0913	16	552.4	381.3	0	0.37	7.12	18.8
0916	24	552.8	381.4	-6	0.32	7.14	18.8
0917	26	552.8	381.7	-8	0.36	7.15	18.8

Date Sampled:	09/26/12	Depth to Water Meter	# 6
Time Sampled:	1100	DO Meter	# 3
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 3
Sample Containers:	6 VOAs, 1-250 ml poly		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE, nitrates		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, no odor, went clear after approximately 16 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name:	Rincon Mushroom Farm	Date:	09/25/12
Project Location:	33777 Valley Center Road Valley Center, California		
Performed By:	Dane Frank		

Well Number:	MW-8	Well Location: E of Site, in SE corner of Walker Wood property	
Depth to Water:	15.56 at 0910	Depth of Well:	25.47 ft
Product Thickness:	0.00 in	Water Thickness:	9.91 ft
Well Diameter:	2 in	Casing Elevation:	869.91 ft
Well Screen:	20 ft	Groundwater Elevation:	854.35 ft

Calculated Volume of Water to be Purged: 23.09 gallons

Purging Information: Purge Time: Start: 0934 Date Purged: 09/26/12

End: 0942

Actual Volume Purged: 28 gallons

Dissolved Oxygen Before Purge: 2.30 mg/L After Sampling: 3.15 mg/L

Depth To Water After Purge: 15.63 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
0934	1	467.4	321.5	1	2.30	7.15	18.7
0936	8	462.7	318.0	-10	1.41	7.16	18.2
0938	16	459.9	316.7	34	1.20	7.17	18.0
0940	24	460.0	316.8	0	1.18	7.15	18.0
0941	26	460.2	316.9	-8	1.15	7.14	18.0

Date Sampled:	09/26/12	Depth to Water Meter	# 6
Time Sampled:	1115	DO Meter	# 3
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 3
Sample Containers:	6 VOAs, 1-250ml poly		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE, nitrates		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, no odor, went clear after approximately 12 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name:	Rincon Mushroom Farm	Date:	09/25/12
Project Location:	33777 Valley Center Road Valley Center, California		
Performed By:	Dane Frank		

Well Number:	MW-9	Well Location: South of Site, in middle of field	
Depth to Water:	14.55 at 0937	Depth of Well:	25.35 ft
Product Thickness:	0.00 in	Water Thickness:	10.80 ft
Well Diameter:	2 in	Casing Elevation:	868.55 ft
Well Screen:	20 ft	Groundwater Elevation:	854.00 ft

Calculated Volume of Water to be Purged: 25.16 gallons

Purging Information: Purge Time: Start: 1341 Date Purged: 09/25/12

End: 1349

Actual Volume Purged: 30 gallons

Dissolved Oxygen Before Purge: 0.61 mg/L After Sampling: 2.07 mg/L

Depth To Water After Purge: 14.70 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
1341	1	511.5	348.0	5	0.61	7.04	22.6
1343	8	504.7	344.7	5	0.21	6.98	21.0
1346	16	503.1	344.0	0	0.22	6.99	21.1
1347	24	505.3	346.0	5	0.28	6.95	20.8

Date Sampled:	09/25/12	Depth to Water Meter	# 6
Time Sampled:	1630	DO Meter	# 3
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 3
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, no odor, went clear after approximately 12 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 09/25/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	EW-2	Well Location: Just south of southeast corner of Site	
Depth to Water:	13.71 at 0922	Depth of Well:	25.27 ft
Product Thickness:	0.00 in	Water Thickness:	11.56 ft
Well Diameter:	2 in	Casing Elevation:	867.52 ft
Well Screen:	20 ft	Groundwater Elevation:	853.81 ft

Calculated Volume of Water to be Purged: 26.93 gallons

Purging Information: Purge Time: Start: 1307 Date Purged: 09/25/12

End: 1315

Actual Volume Purged: 32 gallons

Dissolved Oxygen Before Purge: 0.62 mg/L After Sampling: 1.57 mg/L

Depth To Water After Purge: 13.78 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
1307	1	500.6	338.4	59	0.62	7.16	24.6
1309	10	489.5	333.8	33	0.55	7.00	21.4
1312	20	488.1	335.0	19	0.54	6.96	19.8
1214	30	490.9	335.0	18	0.62	6.93	19.9

Date Sampled:	09/26/12	Depth to Water Meter	# 6
Time Sampled:	0740	DO Meter	# 3
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 3
Sample Containers:	6 VOAs, 1-250 ml poly		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE, nitrates		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Slightly turbid, brown, no odor, went clear after approximately 16 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 10/08/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	MW-1	Well Location: Northeast corner of south casino parking lot	
Depth to Water:	13.35 at 1300	Depth of Well:	25.50 ft
Product Thickness:	0.00 in	Water Thickness:	12.15 ft
Well Diameter:	2 in	Casing Elevation:	863.91 ft
Well Screen:	20 ft	Groundwater Elevation:	850.56 ft

Calculated Volume of Water to be Purged: 28.31 gallons

Purging Information: Purge Time: Start: 1448 Date Purged: 10/08/12

End: 1457

Actual Volume Purged: 32 gallons

Dissolved Oxygen Before Purge: 1.03 mg/L After Sampling: 2.32 mg/L

Depth To Water After Purge: 13.36 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
1448	1	468.4	317.8	64	1.03	6.82	23.0
1451	10	463.5	314.6	59	0.62	6.92	22.7
1453	20	460.7	312.8	47	0.70	6.94	22.6
1455	30	460.7	312.7	46	0.72	6.95	22.7

Date Sampled:	10/09/12	Depth to Water Meter	# 3
Time Sampled:	1125	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, light brown, no odor, went clear after approximately 10 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 10/08/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	MW-2	Well Location: Middle of south parking lot along Valley Center Rd	
Depth to Water:	14.40 at 1311	Depth of Well:	25.50 ft
Product Thickness:	0.00 in	Water Thickness:	11.10 ft
Well Diameter:	2 in	Casing Elevation:	865.90 ft
Well Screen:	20 ft	Groundwater Elevation:	851.50 ft

Calculated Volume of Water to be Purged: 25.86 gallons

Purging Information: Purge Time: Start: 0735 Date Purged: 10/09/12

End: 0758

Actual Volume Purged: 30 gallons

Dissolved Oxygen Before Purge: 1.45 mg/L After Sampling: 1.55 mg/L

Depth To Water After Purge: 18.75 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
0735	1	564.7	390.0	77	1.45	7.12	19.6
0747	10	506.8	348.1	15	1.00	7.02	20.0
0751	20	511.2	351.0	-3	0.75	7.03	20.1
0755	26	500.9	343.5	-6	0.63	7.03	20.4
0757	28	500.1	342.5	-10	0.75	7.09	20.5

Date Sampled:	10/09/12	Depth to Water Meter	# 3
Time Sampled:	1140	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, light brown, no odor, cleared up after approximately 16 gallons, well recovers slower than other wells onsite		

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APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name:	Rincon Mushroom Farm	Date:	10/10/12
Project Location:	33777 Valley Center Road Valley Center, California		
Performed By:	Dane Frank		

Well Number:	MW-3a	Well Location: Middle north of south parking lot, under oak tree	
Depth to Water:	13.08 at 0644	Depth of Well:	24.10 ft
Product Thickness:	0.00 in	Water Thickness:	11.02 ft
Well Diameter:	2 in	Casing Elevation:	863.37 ft
Well Screen:	20 ft	Groundwater Elevation:	850.29 ft

Calculated Volume of Water to be Purged: 350 gallons

Purging Information: Purge Time: Start: 0736 Date Purged: 10/10/12

End: 0925

Actual Volume Purged: 350 gallons

Dissolved Oxygen Before Purge: 1.66 mg/L After Sampling: 2.71 mg/L

Depth To Water After Purge: 16.03 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
0736	1	827.2	578.0	81	1.66	7.12	20.3
0816	200	516.9	354.7	45	1.30	7.09	20.6
0915	300	506.5	346.8	44	1.39	7.16	20.9
0920	330	504.6	345.2	8	1.31	7.05	21.2
0922	340	505.0	345.0	3	1.11	7.05	21.5
0923	345	503.8	344.1	-3	1.09	7.06	21.6

Date Sampled:	10/10/12	Depth to Water Meter	# 3
Time Sampled:	1230	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Water very turbid (brown) at start, went clear after approximately 35 gallons, no odor, after 200 gallons stopped purging to dispose of purge water		

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APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 10/08/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	MW-4	Well Location: Southeast of Casino front entrance, in parking lot	
Depth to Water:	13.12 at 1253	Depth of Well:	24.53 ft
Product Thickness:	0.00 in	Water Thickness:	11.41 ft
Well Diameter:	2 in	Casing Elevation:	862.63 ft
Well Screen:	20 ft	Groundwater Elevation:	849.51 ft

Calculated Volume of Water to be Purged: 26.59 gallons

Purging Information: Purge Time: Start: 1424 Date Purged: 10/08/12

End: 1435

Actual Volume Purged: 32 gallons

Dissolved Oxygen Before Purge: 0.54 mg/L After Sampling: 1.51 mg/L

Depth To Water After Purge: 13.15 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
1424	1	459.7	309.8	150	0.54	6.51	24.6
1428	10	471.1	319.9	100	0.63	6.60	22.7
1430	20	464.0	315.2	80	0.68	6.58	22.5
1433	28	453.0	307.8	55	0.67	6.76	22.3
1434	30	452.4	307.6	51	0.68	6.78	22.1

Date Sampled:	10/09/12	Depth to Water Meter	# 3
Time Sampled:	1105	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, no odor, cleared up after approximately 8 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 10/08/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	MW-5	Well Location: North of Site, on Morales Road	
Depth to Water:	16.21 at 1320	Depth of Well:	25.07 ft
Product Thickness:	0.00 in	Water Thickness:	8.86 ft
Well Diameter:	2 in	Casing Elevation:	866.97 ft
Well Screen:	20 ft	Groundwater Elevation:	850.76 ft

Calculated Volume of Water to be Purged: 20.64 gallons

Purging Information: Purge Time: Start: 0920 Date Purged: 10/09/12

End: 0927

Actual Volume Purged: 28 gallons

Dissolved Oxygen Before Purge: 2.01 mg/L After Sampling: 2.73 mg/L

Depth To Water After Purge: 16.29 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
0920	1	524.0	359.4	63	2.01	7.11	20.3
0923	8	498.2	341.8	37	1.97	7.14	20.2
0925	16	496.0	339.2	21	1.96	7.04	20.1
0926	22	498.1	341.7	39	1.96	7.04	20.2

Date Sampled:	10/09/12	Depth to Water Meter	# 3
Time Sampled:	1245	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, no odor, went clear after approximately 12 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 10/10/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	MW-6	Well Location: E of Site, just S of concrete on Walker Wood property	
Depth to Water:	16.58 at 1007	Depth of Well:	24.64 ft
Product Thickness:	0.00 in	Water Thickness:	8.06 ft
Well Diameter:	2 in	Casing Elevation:	868.85 ft
Well Screen:	20 ft	Groundwater Elevation:	852.27 ft

Calculated Volume of Water to be Purged: 18.78 gallons

Purging Information: Purge Time: Start: 1012 Date Purged: 10/10/12

End: 1020

Actual Volume Purged: 26 gallons

Dissolved Oxygen Before Purge: 1.10 mg/L After Sampling: 1.89 mg/L

Depth To Water After Purge: 16.58 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
1012	1	466.6	320.3	35	1.10	7.17	19.4
1014	7	467.2	320.6	9	1.26	7.13	19.5
1016	14	472.8	324.5	11	1.36	7.08	19.5
1017	21	470.0	322.5	0	1.43	7.09	19.6
1018	23	470.1	322.6	13	1.23	7.09	19.6
1019	25	469.5	322.3	6	1.31	7.08	19.6

Date Sampled:	10/10/12	Depth to Water Meter	# 3
Time Sampled:	1135	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, light brown, no odor, went clear after approximately 12 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name:	Rincon Mushroom Farm	Date:	10/10/12
Project Location:	33777 Valley Center Road Valley Center, California		
Performed By:	Dane Frank		

Well Number:	MW-7	Well Location: E of Site, in SW corner of Walker Wood property	
Depth to Water:	16.81 at 1031	Depth of Well:	24.64 ft
Product Thickness:	0.00 in	Water Thickness:	7.83 ft
Well Diameter:	2 in	Casing Elevation:	868.67 ft
Well Screen:	20 ft	Groundwater Elevation:	851.86 ft

Calculated Volume of Water to be Purged: 18.24 gallons

Purging Information: Purge Time: Start: 1038 Date Purged: 10/10/12

End: 1046

Actual Volume Purged: 28 gallons

Dissolved Oxygen Before Purge: 0.50 mg/L After Sampling: 0.80 mg/L

Depth To Water After Purge: 16.81 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
1038	1	587.0	404.9	-18	0.50	7.12	20.6
1040	7	589.9	407.8	-4	0.43	7.13	20.1
1042	14	591.2	409.2	-4	0.38	7.09	19.7
1043	21	605.6	419.1	-11	0.61	7.10	19.7
1044	24	595.1	412.0	5	0.63	7.10	19.7
1045	26	592.7	410.4	-6	0.42	7.10	19.6

Date Sampled:	10/10/12	Depth to Water Meter	# 3
Time Sampled:	1150	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, no odor, went clear after approximately 12 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name:	Rincon Mushroom Farm	Date:	10/10/12
Project Location:	33777 Valley Center Road Valley Center, California		
Performed By:	Dane Frank		

Well Number:	MW-8	Well Location: E of Site, in SE corner of Walker Wood property	
Depth to Water:	16.30 at 1057	Depth of Well:	25.47 ft
Product Thickness:	0.00 in	Water Thickness:	9.17 ft
Well Diameter:	2 in	Casing Elevation:	869.91 ft
Well Screen:	20 ft	Groundwater Elevation:	853.61 ft

Calculated Volume of Water to be Purged: 21.37 gallons

Purging Information: Purge Time: Start: 1104 Date Purged: 10/10/12

End: 1113

Actual Volume Purged: 26 gallons

Dissolved Oxygen Before Purge: 2.02 mg/L After Sampling: 3.18 mg/L

Depth To Water After Purge: 17.32 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
1104	1	509.0	350.1	-11	2.02	7.17	19.3
1106	7	464.6	319.6	-10	1.14	7.12	18.3
1108	14	468.9	323.1	-17	1.21	7.11	17.9
1110	21	465.3	320.6	-10	1.01	7.11	17.8
1111	23	466.1	321.2	56	0.93	7.08	17.7
1112	25	466.3	321.3	52	0.94	7.06	17.9

Date Sampled:	10/10/12	Depth to Water Meter	# 3
Time Sampled:	1205	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, no odor, went clear after approximately 12 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 10/08/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	MW-9	Well Location: South of Site, in middle of field	
Depth to Water:	15.26 at 1354	Depth of Well:	25.35 ft
Product Thickness:	0.00 in	Water Thickness:	10.09 ft
Well Diameter:	2 in	Casing Elevation:	868.55 ft
Well Screen:	20 ft	Groundwater Elevation:	853.29 ft

Calculated Volume of Water to be Purged: 23.51 gallons

Purging Information: Purge Time: Start: 0817 Date Purged: 10/09/12

End: 0824

Actual Volume Purged: 28 gallons

Dissolved Oxygen Before Purge: 1.34 mg/L After Sampling: 1.57 mg/L

Depth To Water After Purge: 16.35 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
0817	1	549.2	379.3	53	1.34	7.11	18.4
0818	8	553.9	382.3	38	0.43	7.12	18.7
0820	16	548.4	378.4	23	0.48	7.08	18.9
0822	24	547.8	377.8	19	0.43	7.09	18.9
0823	26	548.6	378.7	20	0.40	7.06	19.0

Date Sampled:	10/09/12	Depth to Water Meter	# 3
Time Sampled:	1210	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, light brown, no odor, went clear after approximately 12 gallons		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name:	Rincon Mushroom Farm	Date:	10/10/12
Project Location:	33777 Valley Center Road Valley Center, California		
Performed By:	Dane Frank		

Well Number:	EW-1a	Well Location: Just south of southwest corner of Site	
Depth to Water:	14.13 at 1334	Depth of Well:	23.66 ft
Product Thickness:	0.00 in	Water Thickness:	9.53 ft
Well Diameter:	2 in	Casing Elevation:	866.38 ft
Well Screen:	20 ft	Groundwater Elevation:	852.25 ft

Calculated Volume of Water to be Purged: 350 gallons

Purging Information: Purge Time: Start: 1317 Date Purged: 10/10/12

End: 1456

Actual Volume Purged: 350 gallons

Dissolved Oxygen Before Purge: 2.25 mg/L After Sampling: 1.18 mg/L

Depth To Water After Purge: 14.18 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
1317	1	590.1	405.8	80	2.25	7.07	21.5
1357	200	550.0	375.8	47	0.62	7.03	21.4
1451	300	549.7	378.0	48	0.59	6.98	20.3
1454	330	540.1	371.4	56	0.62	6.97	19.9
1455	340	539.9	371.4	40	0.65	6.99	19.8
1456	350	539.4	371.2	27	0.70	7.01	19.7

Date Sampled:	10/10/12	Depth to Water Meter	# 3
Time Sampled:	1510	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Turbid, brown, no odor, went clear after approximately 25 gallons, stopped purging after 200 gallons to dispose of purge water		

APPLIED ENGINEERING AND GEOLOGY, INC.

MONITORING WELL PURGE DATA SHEET

Project Name: Rincon Mushroom Farm Date: 10/08/12

Project Location: 33777 Valley Center Road
Valley Center, California

Performed By: Dane Frank

Well Number:	EW-2	Well Location: Just south of southeast corner of Site	
Depth to Water:	14.32 at 1350	Depth of Well:	25.27 ft
Product Thickness:	0.00 in	Water Thickness:	10.95 ft
Well Diameter:	2 in	Casing Elevation:	867.52 ft
Well Screen:	20 ft	Groundwater Elevation:	853.20 ft

Calculated Volume of Water to be Purged: 25.51 gallons

Purging Information: Purge Time: Start: 0952 Date Purged: 10/09/12

End: 1000

Actual Volume Purged: 32 gallons

Dissolved Oxygen Before Purge: 0.56 mg/L After Sampling: 0.95 mg/L

Depth To Water After Purge: 15.55 ft

Notable Sheen: None

Time	Volume (gal.)	Conductivity (μS)	TDS (ppm)	ORP (mV)	DO (mg/L)	pH	Temp (deg. C)
0952	1	506.4	349.0	37	0.56	7.14	18.5
0954	10	497.1	343.0	37	0.58	7.13	17.9
0956	20	496.8	342.9	33	0.60	7.17	17.8
0958	26	495.7	342.1	8	0.58	7.14	17.8
0959	30	496.8	342.8	2	0.54	7.10	17.9

Date Sampled:	10/09/12	Depth to Water Meter	# 3
Time Sampled:	1225	DO Meter	# 6
Sampler Type:	Disposable Polyethylene Bailer	Multi Meter	# 6
Sample Containers:	6 VOAs		
Tests Requested:	TPHg, TPHd, TPHmo, BTEX, MTBE		
Preservatives:	HCl, Ice		
Analytical Lab:	KIFF ANALYTICAL		
Comments:	Slightly turbid, light brown, no odor, went clear after approximately 8 gallons		

APPENDIX D

Laboratory Analytical Results

Report Number : 80795

Date : 04/05/2012

Laboratory Results

Steve Lane
Applied Engineering & Geology, Inc.
P. O. Box 247
Lincoln, CA 95648

Subject : 7 Soil Samples and 11 Water Samples
Project Name : Rincon Mushroom Farm
Project Number :

Dear Mr. Lane,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

Report Number : 80795

Date : 04/05/2012

Subject : 7 Soil Samples and 11 Water Samples
Project Name : Rincon Mushroom Farm
Project Number :

Case Narrative

All soil samples were reported on a total weight (wet weight) basis.

Matrix Spike/Matrix Spike Duplicate results associated with samples B-24@9' and B-22@9' for the analytes Antimony, Barium, Chromium, and Nickel were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Matrix Spike/Matrix Spike Duplicate results associated with sample B-20@15' for the analyte TPH as Diesel were affected by the analyte concentrations already present in the un-spiked sample.

The Method Reporting Limit for Cadmium has been increased due to the presence of an interfering element for samples B-22 and B-24.

Matrix Spike/Matrix Spike Duplicate results associated with samples B-20@15', B-24@9', B-22@9', B-19@15', B-21@15', and B-25@9' for the analyte TPH as Diesel were affected by the analyte concentrations already present in the un-spiked sample.

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-20@15'** Matrix : Soil Lab Number : 80795-01

Sample Date :03/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	03/30/12 15:07
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	03/30/12 15:07
Octacosane (Diesel Surrogate)	82.9		% Recovery	M EPA 8015	03/30/12 15:07

Sample : **B-23@13'** Matrix : Soil Lab Number : 80795-02

Sample Date :03/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	**1.3**	1.0	mg/Kg	M EPA 8015	04/02/12 15:01
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	04/02/12 15:01
Octacosane (Diesel Surrogate)	84.2		% Recovery	M EPA 8015	04/02/12 15:01

Sample : **B-24@9'** Matrix : Soil Lab Number : 80795-03

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	**23**	1.0	mg/Kg	M EPA 8015	03/30/12 16:36
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	03/30/12 16:36
Octacosane (Diesel Surrogate)	86.7		% Recovery	M EPA 8015	03/30/12 16:36

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-22@9'** Matrix : Soil Lab Number : 80795-04

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	03/30/12 17:34
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	03/30/12 17:34
Octacosane (Diesel Surrogate)	93.7		% Recovery	M EPA 8015	03/30/12 17:34

Sample : **B-19@15'** Matrix : Soil Lab Number : 80795-05

Sample Date :03/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	03/30/12 16:06
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	03/30/12 16:06
Octacosane (Diesel Surrogate)	84.1		% Recovery	M EPA 8015	03/30/12 16:06

Sample : **B-21@15'** Matrix : Soil Lab Number : 80795-06

Sample Date :03/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	03/30/12 18:04
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	03/30/12 18:04
Octacosane (Diesel Surrogate)	85.8		% Recovery	M EPA 8015	03/30/12 18:04

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-25@9'** Matrix : Soil Lab Number : 80795-07

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	03/30/12 17:05
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	03/30/12 17:05
Octacosane (Diesel Surrogate)	89.3		% Recovery	M EPA 8015	03/30/12 17:05

Sample : **B-25** Matrix : Water Lab Number : 80795-08

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	**330**	50	ug/L	M EPA 8015	04/03/12 20:14
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil	**360**	100	ug/L	M EPA 8015	04/03/12 20:14
Octacosane (Diesel Surrogate)	110		% Recovery	M EPA 8015	04/03/12 20:14

Sample : **B-22** Matrix : Water Lab Number : 80795-09

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	**56**	50	ug/L	M EPA 8015	04/04/12 14:37
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/04/12 14:37
Octacosane (Diesel Surrogate)	90.6		% Recovery	M EPA 8015	04/04/12 14:37

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-24** Matrix : Water Lab Number : 80795-10

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	**1100**	50	ug/L	M EPA 8015	04/03/12 21:24
TPH as Motor Oil	**120**	100	ug/L	M EPA 8015	04/03/12 21:24
Octacosane (Diesel Surrogate)	76.9		% Recovery	M EPA 8015	04/03/12 21:24

Sample : **B-21** Matrix : Water Lab Number : 80795-11

Sample Date :03/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	**92**	50	ug/L	M EPA 8015	04/04/12 15:06
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/04/12 15:06
Octacosane (Diesel Surrogate)	100		% Recovery	M EPA 8015	04/04/12 15:06

Sample : **B-23** Matrix : Water Lab Number : 80795-12

Sample Date :03/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	**84**	50	ug/L	M EPA 8015	04/03/12 22:33
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/03/12 22:33
Octacosane (Diesel Surrogate)	77.2		% Recovery	M EPA 8015	04/03/12 22:33

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-20** Matrix : Water Lab Number : 80795-13

Sample Date :03/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	**73**	50	ug/L	M EPA 8015	04/03/12 23:08
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/03/12 23:08
Octacosane (Diesel Surrogate)	78.9		% Recovery	M EPA 8015	04/03/12 23:08

Sample : **B-19** Matrix : Water Lab Number : 80795-14

Sample Date :03/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	**52**	50	ug/L	M EPA 8015	04/03/12 23:43
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/03/12 23:43
Octacosane (Diesel Surrogate)	92.1		% Recovery	M EPA 8015	04/03/12 23:43

Sample : **MW-4** Matrix : Water Lab Number : 80795-15

Sample Date :03/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/04/12 00:17
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/04/12 00:17
Octacosane (Diesel Surrogate)	94.6		% Recovery	M EPA 8015	04/04/12 00:17

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-10** Matrix : Water Lab Number : 80795-16

Sample Date :03/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/04/12 00:52
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/04/12 00:52
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	04/04/12 00:52

Sample : **EW-1** Matrix : Water Lab Number : 80795-17

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/04/12 16:04
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/04/12 16:04
Octacosane (Diesel Surrogate)	96.3		% Recovery	M EPA 8015	04/04/12 16:04

Sample : **MW-5** Matrix : Water Lab Number : 80795-18

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/04/12 02:01
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/04/12 02:01
Octacosane (Diesel Surrogate)	90.6		% Recovery	M EPA 8015	04/04/12 02:01

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-20@15'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-01

Matrix : Soil Sample Date :03/26/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	04/02/12 23:50
Toluene	< 0.0050	0.0050	mg/Kg	04/02/12 23:50
Ethylbenzene	< 0.0050	0.0050	mg/Kg	04/02/12 23:50
Total Xylenes	< 0.0050	0.0050	mg/Kg	04/02/12 23:50
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	04/02/12 23:50
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	04/02/12 23:50
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	04/02/12 23:50
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	04/02/12 23:50
Tert-Butanol	< 0.0050	0.0050	mg/Kg	04/02/12 23:50
Methanol	< 0.20	0.20	mg/Kg	04/02/12 23:50
Ethanol	< 0.050	0.050	mg/Kg	04/02/12 23:50
TPH as Gasoline	< 1.0	1.0	mg/Kg	04/02/12 23:50
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/02/12 23:50
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	04/02/12 23:50
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	04/02/12 23:50
Toluene - d8 (Surr)	99.1		% Recovery	04/02/12 23:50

Report Number : 80795

Date : 04/05/2012

Sample : **B-23@13'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-02

Matrix : Soil Sample Date :03/26/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:15
Toluene	< 0.0050	0.0050	mg/Kg	04/03/12 02:15
Ethylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:15
Total Xylenes	< 0.0050	0.0050	mg/Kg	04/03/12 02:15
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	04/03/12 02:15
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	04/03/12 02:15
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	04/03/12 02:15
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	04/03/12 02:15
Tert-Butanol	< 0.0050	0.0050	mg/Kg	04/03/12 02:15
Methanol	< 0.20	0.20	mg/Kg	04/03/12 02:15
Ethanol	< 0.050	0.050	mg/Kg	04/03/12 02:15
TPH as Gasoline	< 1.0	1.0	mg/Kg	04/03/12 02:15
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:15
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:15
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	04/03/12 02:15
Toluene - d8 (Surr)	99.1		% Recovery	04/03/12 02:15

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-24@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-03

Matrix : Soil Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Tert-Butanol	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Methanol	< 0.20	0.20	mg/Kg	04/03/12 02:55
Ethanol	< 0.050	0.050	mg/Kg	04/03/12 02:55
TPH as Gasoline	< 1.0	1.0	mg/Kg	04/03/12 02:55
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Chloromethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Bromomethane	< 0.020	0.020	mg/Kg	04/03/12 02:55
Chloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Methylene Chloride	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Chloroform	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Bromochloromethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Benzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Trichloroethene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Dibromomethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Toluene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-24@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-03

Matrix : Soil Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Chlorobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Ethylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
P,M-Xylene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
O-Xylene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Styrene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Bromoform	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Bromobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
Naphthalene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 02:55
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	04/03/12 02:55

Report Number : 80795

Date : 04/05/2012

Sample : **B-24@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-03

Matrix : Soil Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
4-Bromofluorobenzene (Surr)	97.0		% Recovery	04/03/12 02:55
Toluene - d8 (Surr)	98.7		% Recovery	04/03/12 02:55

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-22@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-04

Matrix : Soil Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Tert-Butanol	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Methanol	< 0.20	0.20	mg/Kg	04/03/12 03:33
Ethanol	< 0.050	0.050	mg/Kg	04/03/12 03:33
TPH as Gasoline	< 1.0	1.0	mg/Kg	04/03/12 03:33
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Chloromethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Bromomethane	< 0.020	0.020	mg/Kg	04/03/12 03:33
Chloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Methylene Chloride	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Chloroform	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Bromochloromethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Benzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Trichloroethene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Dibromomethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Toluene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-22@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-04

Matrix : Soil Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Chlorobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Ethylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
P,M-Xylene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
O-Xylene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Styrene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Bromoform	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Bromobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
Naphthalene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	04/03/12 03:33
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	04/03/12 03:33

Report Number : 80795

Date : 04/05/2012

Sample : **B-22@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-04

Matrix : Soil Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
4-Bromofluorobenzene (Surr)	96.5		% Recovery	04/03/12 03:33
Toluene - d8 (Surr)	98.9		% Recovery	04/03/12 03:33

Report Number : 80795

Date : 04/05/2012

Sample : **B-19@15'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-05

Matrix : Soil Sample Date :03/26/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	04/03/12 04:12
Toluene	< 0.0050	0.0050	mg/Kg	04/03/12 04:12
Ethylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 04:12
Total Xylenes	< 0.0050	0.0050	mg/Kg	04/03/12 04:12
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	04/03/12 04:12
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	04/03/12 04:12
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	04/03/12 04:12
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	04/03/12 04:12
Tert-Butanol	< 0.0050	0.0050	mg/Kg	04/03/12 04:12
Methanol	< 0.20	0.20	mg/Kg	04/03/12 04:12
Ethanol	< 0.050	0.050	mg/Kg	04/03/12 04:12
TPH as Gasoline	< 1.0	1.0	mg/Kg	04/03/12 04:12
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 04:12
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	04/03/12 04:12
1,2-Dichloroethane-d4 (Surr)	99.9		% Recovery	04/03/12 04:12
Toluene - d8 (Surr)	98.4		% Recovery	04/03/12 04:12

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-21@15'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-06

Matrix : Soil Sample Date :03/26/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	04/03/12 04:51
Toluene	< 0.0050	0.0050	mg/Kg	04/03/12 04:51
Ethylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 04:51
Total Xylenes	< 0.0050	0.0050	mg/Kg	04/03/12 04:51
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	04/03/12 04:51
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	04/03/12 04:51
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	04/03/12 04:51
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	04/03/12 04:51
Tert-Butanol	< 0.0050	0.0050	mg/Kg	04/03/12 04:51
Methanol	< 0.20	0.20	mg/Kg	04/03/12 04:51
Ethanol	< 0.050	0.050	mg/Kg	04/03/12 04:51
TPH as Gasoline	< 1.0	1.0	mg/Kg	04/03/12 04:51
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 04:51
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	04/03/12 04:51
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	04/03/12 04:51
Toluene - d8 (Surr)	99.2		% Recovery	04/03/12 04:51

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-25@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-07

Matrix : Soil Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	04/03/12 05:27
Toluene	< 0.0050	0.0050	mg/Kg	04/03/12 05:27
Ethylbenzene	< 0.0050	0.0050	mg/Kg	04/03/12 05:27
Total Xylenes	< 0.0050	0.0050	mg/Kg	04/03/12 05:27
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	04/03/12 05:27
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	04/03/12 05:27
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	04/03/12 05:27
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	04/03/12 05:27
Tert-Butanol	< 0.0050	0.0050	mg/Kg	04/03/12 05:27
Methanol	< 0.20	0.20	mg/Kg	04/03/12 05:27
Ethanol	< 0.050	0.050	mg/Kg	04/03/12 05:27
TPH as Gasoline	< 1.0	1.0	mg/Kg	04/03/12 05:27
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/03/12 05:27
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	04/03/12 05:27
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	04/03/12 05:27
Toluene - d8 (Surr)	99.1		% Recovery	04/03/12 05:27

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-25**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-08

Matrix : Water Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/03/12 04:37
Toluene	< 0.50	0.50	ug/L	04/03/12 04:37
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 04:37
Total Xylenes	< 0.50	0.50	ug/L	04/03/12 04:37
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 04:37
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	04/03/12 04:37
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	04/03/12 04:37
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	04/03/12 04:37
Tert-Butanol	< 5.0	5.0	ug/L	04/03/12 04:37
Methanol	< 50	50	ug/L	04/03/12 04:37
Ethanol	< 5.0	5.0	ug/L	04/03/12 04:37
TPH as Gasoline	< 50	50	ug/L	04/03/12 04:37
1,2-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 04:37
1,2-Dibromoethane	< 0.50	0.50	ug/L	04/03/12 04:37
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	04/03/12 04:37
Toluene - d8 (Surr)	99.2		% Recovery	04/03/12 04:37

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-22**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-09

Matrix : Water Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 05:10
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	04/03/12 05:10
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	04/03/12 05:10
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	04/03/12 05:10
Tert-Butanol	< 5.0	5.0	ug/L	04/03/12 05:10
Methanol	< 50	50	ug/L	04/03/12 05:10
Ethanol	< 5.0	5.0	ug/L	04/03/12 05:10
TPH as Gasoline	< 50	50	ug/L	04/03/12 05:10
Dichlorodifluoromethane	< 0.50	0.50	ug/L	04/03/12 05:10
Chloromethane	< 0.50	0.50	ug/L	04/03/12 05:10
Vinyl Chloride	< 0.50	0.50	ug/L	04/03/12 05:10
Bromomethane	< 20	20	ug/L	04/03/12 05:10
Chloroethane	< 0.50	0.50	ug/L	04/03/12 05:10
Trichlorofluoromethane	< 0.50	0.50	ug/L	04/03/12 05:10
1,1-Dichloroethene	< 0.50	0.50	ug/L	04/03/12 05:10
Methylene Chloride	< 5.0	5.0	ug/L	04/03/12 05:10
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	04/03/12 05:10
1,1-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 05:10
2,2-Dichloropropane	< 0.50	0.50	ug/L	04/03/12 05:10
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	04/03/12 05:10
Chloroform	< 0.50	0.50	ug/L	04/03/12 05:10
Bromochloromethane	< 0.50	0.50	ug/L	04/03/12 05:10
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	04/03/12 05:10
1,1-Dichloropropene	< 0.50	0.50	ug/L	04/03/12 05:10
1,2-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 05:10
Carbon Tetrachloride	< 0.50	0.50	ug/L	04/03/12 05:10
Benzene	< 0.50	0.50	ug/L	04/03/12 05:10
Trichloroethene	< 0.50	0.50	ug/L	04/03/12 05:10
1,2-Dichloropropane	< 0.50	0.50	ug/L	04/03/12 05:10
Bromodichloromethane	< 0.50	0.50	ug/L	04/03/12 05:10
Dibromomethane	< 0.50	0.50	ug/L	04/03/12 05:10
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	04/03/12 05:10
Toluene	< 0.50	0.50	ug/L	04/03/12 05:10

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-22**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-09

Matrix : Water Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	04/03/12 05:10
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	04/03/12 05:10
1,3-Dichloropropane	< 0.50	0.50	ug/L	04/03/12 05:10
Tetrachloroethene	< 0.50	0.50	ug/L	04/03/12 05:10
Dibromochloromethane	< 0.50	0.50	ug/L	04/03/12 05:10
1,2-Dibromoethane	< 0.50	0.50	ug/L	04/03/12 05:10
Chlorobenzene	< 0.50	0.50	ug/L	04/03/12 05:10
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	04/03/12 05:10
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 05:10
P,M-Xylene	< 1.0	1.0	ug/L	04/03/12 05:10
O-Xylene	< 0.50	0.50	ug/L	04/03/12 05:10
Styrene	< 0.50	0.50	ug/L	04/03/12 05:10
Isopropyl benzene	< 0.50	0.50	ug/L	04/03/12 05:10
Bromoform	< 0.50	0.50	ug/L	04/03/12 05:10
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	04/03/12 05:10
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	04/03/12 05:10
n-Propylbenzene	< 0.50	0.50	ug/L	04/03/12 05:10
Bromobenzene	< 0.50	0.50	ug/L	04/03/12 05:10
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	04/03/12 05:10
2+4-Chlorotoluene	< 1.0	1.0	ug/L	04/03/12 05:10
tert-Butylbenzene	< 0.50	0.50	ug/L	04/03/12 05:10
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	04/03/12 05:10
sec-Butylbenzene	< 0.50	0.50	ug/L	04/03/12 05:10
p-Isopropyltoluene	< 0.50	0.50	ug/L	04/03/12 05:10
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	04/03/12 05:10
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	04/03/12 05:10
n-Butylbenzene	< 0.50	0.50	ug/L	04/03/12 05:10
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	04/03/12 05:10
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	04/03/12 05:10
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	04/03/12 05:10
Hexachlorobutadiene	< 0.50	0.50	ug/L	04/03/12 05:10
Naphthalene	< 0.50	0.50	ug/L	04/03/12 05:10
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	04/03/12 05:10
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	04/03/12 05:10

Report Number : 80795

Date : 04/05/2012

Sample : **B-22**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-09

Matrix : Water Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
4-Bromofluorobenzene (Surr)	94.4		% Recovery	04/03/12 05:10
Toluene - d8 (Surr)	99.4		% Recovery	04/03/12 05:10

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-24**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-10

Matrix : Water Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 05:43
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	04/03/12 05:43
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	04/03/12 05:43
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	04/03/12 05:43
Tert-Butanol	< 5.0	5.0	ug/L	04/03/12 05:43
Methanol	< 50	50	ug/L	04/03/12 05:43
Ethanol	< 5.0	5.0	ug/L	04/03/12 05:43
TPH as Gasoline	< 50	50	ug/L	04/03/12 05:43
Dichlorodifluoromethane	< 0.50	0.50	ug/L	04/03/12 05:43
Chloromethane	< 0.50	0.50	ug/L	04/03/12 05:43
Vinyl Chloride	< 0.50	0.50	ug/L	04/03/12 05:43
Bromomethane	< 20	20	ug/L	04/03/12 05:43
Chloroethane	< 0.50	0.50	ug/L	04/03/12 05:43
Trichlorofluoromethane	< 0.50	0.50	ug/L	04/03/12 05:43
1,1-Dichloroethene	< 0.50	0.50	ug/L	04/03/12 05:43
Methylene Chloride	< 5.0	5.0	ug/L	04/03/12 05:43
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	04/03/12 05:43
1,1-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 05:43
2,2-Dichloropropane	< 0.50	0.50	ug/L	04/03/12 05:43
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	04/03/12 05:43
Chloroform	< 0.50	0.50	ug/L	04/03/12 05:43
Bromochloromethane	< 0.50	0.50	ug/L	04/03/12 05:43
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	04/03/12 05:43
1,1-Dichloropropene	< 0.50	0.50	ug/L	04/03/12 05:43
1,2-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 05:43
Carbon Tetrachloride	< 0.50	0.50	ug/L	04/03/12 05:43
Benzene	< 0.50	0.50	ug/L	04/03/12 05:43
Trichloroethene	< 0.50	0.50	ug/L	04/03/12 05:43
1,2-Dichloropropane	< 0.50	0.50	ug/L	04/03/12 05:43
Bromodichloromethane	< 0.50	0.50	ug/L	04/03/12 05:43
Dibromomethane	< 0.50	0.50	ug/L	04/03/12 05:43
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	04/03/12 05:43
Toluene	< 0.50	0.50	ug/L	04/03/12 05:43

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Report Number : 80795

Date : 04/05/2012

Sample : **B-24**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-10

Matrix : Water Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	04/03/12 05:43
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	04/03/12 05:43
1,3-Dichloropropane	< 0.50	0.50	ug/L	04/03/12 05:43
Tetrachloroethene	< 0.50	0.50	ug/L	04/03/12 05:43
Dibromochloromethane	< 0.50	0.50	ug/L	04/03/12 05:43
1,2-Dibromoethane	< 0.50	0.50	ug/L	04/03/12 05:43
Chlorobenzene	< 0.50	0.50	ug/L	04/03/12 05:43
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	04/03/12 05:43
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 05:43
P,M-Xylene	< 1.0	1.0	ug/L	04/03/12 05:43
O-Xylene	< 0.50	0.50	ug/L	04/03/12 05:43
Styrene	< 0.50	0.50	ug/L	04/03/12 05:43
Isopropyl benzene	< 0.50	0.50	ug/L	04/03/12 05:43
Bromoform	< 0.50	0.50	ug/L	04/03/12 05:43
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	04/03/12 05:43
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	04/03/12 05:43
n-Propylbenzene	< 0.50	0.50	ug/L	04/03/12 05:43
Bromobenzene	< 0.50	0.50	ug/L	04/03/12 05:43
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	04/03/12 05:43
2+4-Chlorotoluene	< 1.0	1.0	ug/L	04/03/12 05:43
tert-Butylbenzene	< 0.50	0.50	ug/L	04/03/12 05:43
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	04/03/12 05:43
sec-Butylbenzene	< 0.50	0.50	ug/L	04/03/12 05:43
p-Isopropyltoluene	< 0.50	0.50	ug/L	04/03/12 05:43
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	04/03/12 05:43
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	04/03/12 05:43
n-Butylbenzene	< 0.50	0.50	ug/L	04/03/12 05:43
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	04/03/12 05:43
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	04/03/12 05:43
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	04/03/12 05:43
Hexachlorobutadiene	< 0.50	0.50	ug/L	04/03/12 05:43
Naphthalene	< 0.50	0.50	ug/L	04/03/12 05:43
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	04/03/12 05:43
1,2-Dichloroethane-d4 (Surr)	99.1		% Recovery	04/03/12 05:43

Report Number : 80795

Date : 04/05/2012

Sample : **B-24**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-10

Matrix : Water Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
4-Bromofluorobenzene (Surr)	94.5		% Recovery	04/03/12 05:43
Toluene - d8 (Surr)	99.5		% Recovery	04/03/12 05:43

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-21**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-11

Matrix : Water Sample Date :03/26/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/03/12 11:41
Toluene	< 0.50	0.50	ug/L	04/03/12 11:41
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 11:41
Total Xylenes	< 0.50	0.50	ug/L	04/03/12 11:41
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 11:41
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	04/03/12 11:41
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	04/03/12 11:41
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	04/03/12 11:41
Tert-Butanol	< 5.0	5.0	ug/L	04/03/12 11:41
Methanol	< 50	50	ug/L	04/03/12 11:41
Ethanol	< 5.0	5.0	ug/L	04/03/12 11:41
TPH as Gasoline	< 50	50	ug/L	04/03/12 11:41
1,2-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 11:41
1,2-Dibromoethane	< 0.50	0.50	ug/L	04/03/12 11:41
1,2-Dichloroethane-d4 (Surr)	99.3		% Recovery	04/03/12 11:41
Toluene - d8 (Surr)	105		% Recovery	04/03/12 11:41

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-23**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-12

Matrix : Water Sample Date :03/26/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/03/12 16:06
Toluene	< 0.50	0.50	ug/L	04/03/12 12:13
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 12:13
Total Xylenes	< 0.50	0.50	ug/L	04/03/12 12:13
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 12:13
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	04/03/12 12:13
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	04/03/12 12:13
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	04/03/12 12:13
Tert-Butanol	< 5.0	5.0	ug/L	04/03/12 12:13
Methanol	< 50	50	ug/L	04/03/12 12:13
Ethanol	< 5.0	5.0	ug/L	04/03/12 12:13
TPH as Gasoline	< 50	50	ug/L	04/03/12 12:13
1,2-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 12:13
1,2-Dibromoethane	< 0.50	0.50	ug/L	04/03/12 12:13
1,2-Dichloroethane-d4 (Surr)	98.9		% Recovery	04/03/12 12:13
Toluene - d8 (Surr)	106		% Recovery	04/03/12 12:13

Report Number : 80795

Date : 04/05/2012

Sample : **B-20**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-13

Matrix : Water Sample Date :03/26/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/03/12 12:44
Toluene	< 0.50	0.50	ug/L	04/03/12 12:44
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 12:44
Total Xylenes	< 0.50	0.50	ug/L	04/03/12 12:44
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 12:44
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	04/03/12 12:44
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	04/03/12 12:44
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	04/03/12 12:44
Tert-Butanol	< 5.0	5.0	ug/L	04/03/12 12:44
Methanol	< 50	50	ug/L	04/03/12 12:44
Ethanol	< 5.0	5.0	ug/L	04/03/12 12:44
TPH as Gasoline	< 50	50	ug/L	04/03/12 12:44
1,2-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 12:44
1,2-Dibromoethane	< 0.50	0.50	ug/L	04/03/12 12:44
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	04/03/12 12:44
Toluene - d8 (Surr)	105		% Recovery	04/03/12 12:44

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **B-19**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-14

Matrix : Water Sample Date :03/26/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/03/12 13:16
Toluene	< 0.50	0.50	ug/L	04/03/12 13:16
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 13:16
Total Xylenes	< 0.50	0.50	ug/L	04/03/12 13:16
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 13:16
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	04/03/12 13:16
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	04/03/12 13:16
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	04/03/12 13:16
Tert-Butanol	< 5.0	5.0	ug/L	04/03/12 13:16
Methanol	< 50	50	ug/L	04/03/12 13:16
Ethanol	< 5.0	5.0	ug/L	04/03/12 13:16
TPH as Gasoline	< 50	50	ug/L	04/03/12 13:16
1,2-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 13:16
1,2-Dibromoethane	< 0.50	0.50	ug/L	04/03/12 13:16
1,2-Dichloroethane-d4 (Surr)	98.7		% Recovery	04/03/12 13:16
Toluene - d8 (Surr)	106		% Recovery	04/03/12 13:16

Report Number : 80795

Date : 04/05/2012

Sample : **MW-4**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-15

Matrix : Water Sample Date :03/26/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/03/12 13:47
Toluene	< 0.50	0.50	ug/L	04/03/12 13:47
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 13:47
Total Xylenes	< 0.50	0.50	ug/L	04/03/12 13:47
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 13:47
TPH as Gasoline	< 50	50	ug/L	04/03/12 13:47
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	04/03/12 13:47
Toluene - d8 (Surr)	106		% Recovery	04/03/12 13:47

Report Number : 80795

Date : 04/05/2012

Sample : **MW-10**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-16

Matrix : Water Sample Date :03/26/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/03/12 09:36
Toluene	< 0.50	0.50	ug/L	04/03/12 09:36
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 09:36
Total Xylenes	< 0.50	0.50	ug/L	04/03/12 09:36
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 09:36
TPH as Gasoline	< 50	50	ug/L	04/03/12 09:36
1,2-Dichloroethane-d4 (Surr)	98.6		% Recovery	04/03/12 09:36
Toluene - d8 (Surr)	106		% Recovery	04/03/12 09:36

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Sample : **EW-1**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-17

Matrix : Water Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/03/12 10:06
Toluene	< 0.50	0.50	ug/L	04/03/12 10:06
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 10:06
Total Xylenes	< 0.50	0.50	ug/L	04/03/12 10:06
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 10:06
TPH as Gasoline	< 50	50	ug/L	04/03/12 10:06
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	04/03/12 10:06
Toluene - d8 (Surr)	99.8		% Recovery	04/03/12 10:06

Report Number : 80795

Date : 04/05/2012

Sample : **MW-5**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80795-18

Matrix : Water Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/03/12 10:26
Toluene	< 0.50	0.50	ug/L	04/03/12 10:26
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 10:26
Total Xylenes	< 0.50	0.50	ug/L	04/03/12 10:26
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 10:26
TPH as Gasoline	< 50	50	ug/L	04/03/12 10:26
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	04/03/12 10:26
Toluene - d8 (Surr)	99.3		% Recovery	04/03/12 10:26

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-24@9'** Matrix : Soil Lab Number : 80795-03

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Antimony	< 0.75	0.75	mg/Kg	EPA 6010B	04/03/12 13:05
Arsenic	< 0.75	0.75	mg/Kg	EPA 6010B	04/03/12 13:05
Barium	**52**	0.50	mg/Kg	EPA 6010B	04/03/12 13:05
Beryllium	< 0.25	0.25	mg/Kg	EPA 6010B	04/03/12 13:05
Cadmium	< 0.50	0.50	mg/Kg	EPA 6010B	04/03/12 13:05
Chromium	**7.2**	0.25	mg/Kg	EPA 6010B	04/03/12 13:05
Cobalt	**2.8**	0.25	mg/Kg	EPA 6010B	04/03/12 13:05
Copper	**4.9**	0.50	mg/Kg	EPA 6010B	04/03/12 13:05
Lead	**0.68**	0.50	mg/Kg	EPA 6010B	04/03/12 13:05
Molybdenum	< 0.25	0.25	mg/Kg	EPA 6010B	04/03/12 13:05
Nickel	**2.6**	0.25	mg/Kg	EPA 6010B	04/03/12 13:05
Selenium	< 0.75	0.75	mg/Kg	EPA 6010B	04/03/12 13:05
Silver	< 0.25	0.25	mg/Kg	EPA 6010B	04/03/12 13:05
Thallium	< 0.75	0.75	mg/Kg	EPA 6010B	04/03/12 13:05
Vanadium	**21**	0.25	mg/Kg	EPA 6010B	04/03/12 13:05
Zinc	**16**	1.0	mg/Kg	EPA 6010B	04/03/12 13:05
Mercury	< 0.050	0.050	mg/Kg	EPA 7471A	04/02/12 11:15

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-22@9'** Matrix : Soil Lab Number : 80795-04

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Antimony	< 0.75	0.75	mg/Kg	EPA 6010B	04/03/12 13:09
Arsenic	**0.96**	0.75	mg/Kg	EPA 6010B	04/03/12 13:09
Barium	**97**	0.50	mg/Kg	EPA 6010B	04/03/12 13:09
Beryllium	< 0.25	0.25	mg/Kg	EPA 6010B	04/03/12 13:09
Cadmium	< 0.50	0.50	mg/Kg	EPA 6010B	04/03/12 13:09
Chromium	**14**	0.25	mg/Kg	EPA 6010B	04/03/12 13:09
Cobalt	**4.7**	0.25	mg/Kg	EPA 6010B	04/03/12 13:09
Copper	**12**	0.50	mg/Kg	EPA 6010B	04/03/12 13:09
Lead	**1.2**	0.50	mg/Kg	EPA 6010B	04/03/12 13:09
Molybdenum	**0.28**	0.25	mg/Kg	EPA 6010B	04/03/12 13:09
Nickel	**4.1**	0.25	mg/Kg	EPA 6010B	04/03/12 13:09
Selenium	< 0.75	0.75	mg/Kg	EPA 6010B	04/03/12 13:09
Silver	< 0.25	0.25	mg/Kg	EPA 6010B	04/03/12 13:09
Thallium	< 0.75	0.75	mg/Kg	EPA 6010B	04/03/12 13:09
Vanadium	**43**	0.25	mg/Kg	EPA 6010B	04/03/12 13:09
Zinc	**29**	1.0	mg/Kg	EPA 6010B	04/03/12 13:09
Mercury	< 0.050	0.050	mg/Kg	EPA 7471A	04/02/12 11:16

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-22** Matrix : Water Lab Number : 80795-09

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Antimony	< 0.015	0.015	mg/L	EPA 6010B	04/03/12 14:49
Arsenic	**0.086**	0.015	mg/L	EPA 6010B	04/03/12 14:49
Barium	**5.2**	0.010	mg/L	EPA 6010B	04/03/12 14:49
Beryllium	**0.0078**	0.0010	mg/L	EPA 6010B	04/03/12 14:49
Cadmium	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/12 14:49
Chromium	**0.93**	0.0050	mg/L	EPA 6010B	04/03/12 14:49
Cobalt	**0.30**	0.0050	mg/L	EPA 6010B	04/03/12 14:49
Copper	**0.71**	0.0050	mg/L	EPA 6010B	04/03/12 14:49
Lead	**0.066**	0.025	mg/L	EPA 6010B	04/03/12 17:14
Molybdenum	**0.037**	0.0050	mg/L	EPA 6010B	04/03/12 14:49
Nickel	**0.23**	0.0050	mg/L	EPA 6010B	04/03/12 14:49
Selenium	< 0.015	0.015	mg/L	EPA 6010B	04/03/12 14:49
Silver	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/12 14:49
Thallium	< 0.015	0.015	mg/L	EPA 6010B	04/03/12 14:49
Vanadium	**2.0**	0.0050	mg/L	EPA 6010B	04/03/12 14:49
Zinc	**1.5**	0.010	mg/L	EPA 6010B	04/03/12 14:49
Mercury	< 0.00050	0.00050	mg/L	EPA 7470A	04/02/12 12:30

KIFF Analytical LLC

Report Number : 80795

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-24** Matrix : Water Lab Number : 80795-10

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Antimony	< 0.015	0.015	mg/L	EPA 6010B	04/03/12 15:00
Arsenic	**0.046**	0.015	mg/L	EPA 6010B	04/03/12 15:00
Barium	**7.8**	0.010	mg/L	EPA 6010B	04/03/12 15:00
Beryllium	**0.012**	0.0010	mg/L	EPA 6010B	04/03/12 15:00
Cadmium	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/12 15:00
Chromium	**1.1**	0.0050	mg/L	EPA 6010B	04/03/12 15:00
Cobalt	**0.31**	0.0050	mg/L	EPA 6010B	04/03/12 15:00
Copper	**0.97**	0.0050	mg/L	EPA 6010B	04/03/12 15:00
Lead	**0.12**	0.025	mg/L	EPA 6010B	04/03/12 17:10
Molybdenum	**0.016**	0.0050	mg/L	EPA 6010B	04/03/12 15:00
Nickel	**0.32**	0.0050	mg/L	EPA 6010B	04/03/12 15:00
Selenium	< 0.015	0.015	mg/L	EPA 6010B	04/03/12 15:00
Silver	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/12 15:00
Thallium	< 0.015	0.015	mg/L	EPA 6010B	04/03/12 15:00
Vanadium	**2.1**	0.0050	mg/L	EPA 6010B	04/03/12 15:00
Zinc	**2.4**	0.010	mg/L	EPA 6010B	04/03/12 15:00
Mercury	< 0.00050	0.00050	mg/L	EPA 7470A	04/02/12 12:32

Report Number : 80795

QC Report : Method Blank Data

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Antimony	< 0.75	0.75	mg/Kg	EPA 6010B	04/02/2012
Arsenic	< 0.75	0.75	mg/Kg	EPA 6010B	04/02/2012
Barium	< 0.50	0.50	mg/Kg	EPA 6010B	04/02/2012
Beryllium	< 0.25	0.25	mg/Kg	EPA 6010B	04/02/2012
Cadmium	< 0.50	0.50	mg/Kg	EPA 6010B	04/02/2012
Chromium	< 0.25	0.25	mg/Kg	EPA 6010B	04/02/2012
Cobalt	< 0.25	0.25	mg/Kg	EPA 6010B	04/02/2012
Copper	< 0.50	0.50	mg/Kg	EPA 6010B	04/02/2012
Lead	< 0.50	0.50	mg/Kg	EPA 6010B	04/02/2012
Molybdenum	< 0.25	0.25	mg/Kg	EPA 6010B	04/02/2012
Nickel	< 0.25	0.25	mg/Kg	EPA 6010B	04/02/2012
Selenium	< 0.75	0.75	mg/Kg	EPA 6010B	04/02/2012
Silver	< 0.25	0.25	mg/Kg	EPA 6010B	04/02/2012
Thallium	< 0.75	0.75	mg/Kg	EPA 6010B	04/02/2012
Vanadium	< 0.25	0.25	mg/Kg	EPA 6010B	04/02/2012
Zinc	< 1.0	1.0	mg/Kg	EPA 6010B	04/02/2012
Mercury	< 0.050	0.050	mg/Kg	EPA 7471A	04/02/2012
Mercury	< 0.00050	0.00050	mg/L	EPA 7470A	04/02/2012
Antimony	< 0.015	0.015	mg/L	EPA 6010B	04/03/2012
Arsenic	< 0.015	0.015	mg/L	EPA 6010B	04/03/2012
Barium	< 0.010	0.010	mg/L	EPA 6010B	04/03/2012
Beryllium	< 0.0010	0.0010	mg/L	EPA 6010B	04/03/2012
Cadmium	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Chromium	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Cobalt	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Copper	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Lead	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Molybdenum	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Nickel	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Selenium	< 0.015	0.015	mg/L	EPA 6010B	04/03/2012
Silver	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Thallium	< 0.015	0.015	mg/L	EPA 6010B	04/03/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Vanadium	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Zinc	< 0.010	0.010	mg/L	EPA 6010B	04/03/2012
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	03/30/2012
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	03/30/2012
Octacosane (Diesel Surrogate)	78.6		%	M EPA 8015	03/30/2012
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	04/02/2012
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	04/02/2012
Octacosane (Diesel Surrogate)	80.4		%	M EPA 8015	04/02/2012
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/03/2012
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/03/2012
Octacosane (Diesel Surrogate)	101		%	M EPA 8015	04/03/2012
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/04/2012
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/04/2012
Octacosane (Diesel Surrogate)	91.4		%	M EPA 8015	04/04/2012
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	04/02/2012
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	04/02/2012
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/02/2012
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Chloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Bromomethane	< 0.020	0.020	mg/Kg	EPA 8260B	04/02/2012
Chloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

QC Report : Method Blank Data

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Methylene Chloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Chloroform	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Bromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Trichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Dibromomethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Chlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
P,M-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
O-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Styrene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Bromoform	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Bromobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/02/2012
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	04/02/2012
4-Bromofluorobenzene (Surr)	96.8		%	EPA 8260B	04/02/2012
Toluene - d8 (Surr)	98.8		%	EPA 8260B	04/02/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/03/2012
Methanol	< 50	50	ug/L	EPA 8260B	04/03/2012
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	04/03/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/03/2012
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

Date : 04/05/2012

QC Report : Method Blank Data

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
1,2-Dichloroethane-d4 (Surr)	97.7		%	EPA 8260B	04/03/2012
Toluene - d8 (Surr)	106		%	EPA 8260B	04/03/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/02/2012
Methanol	< 50	50	ug/L	EPA 8260B	04/02/2012
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	04/02/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/02/2012
Dichlorodifluoromethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Bromomethane	< 20	20	ug/L	EPA 8260B	04/02/2012
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B	04/02/2012
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
2,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Chloroform	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Bromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,1-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Dibromomethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,3-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
P,M-Xylene	< 1.0	1.0	ug/L	EPA 8260B	04/02/2012
O-Xylene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Styrene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Isopropyl benzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Bromoform	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
n-Propylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Bromobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
2+4-Chlorotoluene	< 1.0	1.0	ug/L	EPA 8260B	04/02/2012
tert-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
sec-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
p-Isopropyltoluene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
n-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Hexachlorobutadiene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	04/02/2012

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

Date : 04/05/2012

QC Report : Method Blank Data

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
4-Bromofluorobenzene (Surr)	94.2		%	EPA 8260B	04/02/2012
Toluene - d8 (Surr)	97.9		%	EPA 8260B	04/02/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/03/2012
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	04/03/2012
Toluene - d8 (Surr)	99.8		%	EPA 8260B	04/03/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/03/2012
1,2-Dichloroethane-d4 (Surr)	99.7		%	EPA 8260B	04/03/2012
Toluene - d8 (Surr)	99.8		%	EPA 8260B	04/03/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Antimony														
	80784-01	< 0.75	50.0	50.0	10.8	9.54	mg/Kg	EPA 6010B	4/2/12	**21.5**	**19.1**	12.2	75-125	20
Arsenic														
	80784-01	2.8	50.0	50.0	52.4	52.0	mg/Kg	EPA 6010B	4/2/12	99.3	98.4	0.862	75-125	20
Barium														
	80784-01	190	50.0	50.0	231	219	mg/Kg	EPA 6010B	4/2/12	75.9	**51.4**	5.45	75-125	20
Beryllium														
	80784-01	0.35	50.0	50.0	50.4	49.2	mg/Kg	EPA 6010B	4/2/12	100	97.7	2.45	75-125	20
Cadmium														
	80784-01	< 0.50	50.0	50.0	51.9	51.4	mg/Kg	EPA 6010B	4/2/12	104	103	0.958	75-125	20
Chromium														
	80784-01	40	50.0	50.0	95.8	198	mg/Kg	EPA 6010B	4/2/12	111	**317**	**69.8**	75-125	20
Cobalt														
	80784-01	8.9	50.0	50.0	56.6	55.5	mg/Kg	EPA 6010B	4/2/12	95.5	93.3	1.96	75-125	20
Copper														
	80784-01	17	50.0	50.0	66.5	64.8	mg/Kg	EPA 6010B	4/2/12	99.5	96.1	2.59	75-125	20
Lead														
	80784-01	3.7	50.0	50.0	48.0	47.1	mg/Kg	EPA 6010B	4/2/12	88.6	86.9	1.82	75-125	20
Molybdenum														
	80784-01	< 0.25	50.0	50.0	43.3	42.6	mg/Kg	EPA 6010B	4/2/12	86.3	84.9	1.61	75-125	20

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Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Nickel														
	80784-01	49	50.0	50.0	110	115	mg/Kg	EPA 6010B	4/2/12	121	**132**	4.94	75-125	20
Selenium														
	80784-01	< 0.75	50.0	50.0	49.7	49.8	mg/Kg	EPA 6010B	4/2/12	99.5	99.7	0.181	75-125	20
Silver														
	80784-01	< 0.25	12.5	12.5	12.6	12.4	mg/Kg	EPA 6010B	4/2/12	100	99.2	1.28	75-125	20
Thallium														
	80784-01	< 0.75	50.0	50.0	45.2	44.7	mg/Kg	EPA 6010B	4/2/12	90.2	89.2	1.10	75-125	20
Vanadium														
	80784-01	29	50.0	50.0	75.6	74.0	mg/Kg	EPA 6010B	4/2/12	93.6	90.2	2.27	75-125	20
Zinc														
	80784-01	41	50.0	50.0	97.4	93.0	mg/Kg	EPA 6010B	4/2/12	113	104	4.52	75-125	20
Mercury														
	80784-01	0.081	0.100	0.100	4.28	0.187	mg/Kg	EPA 7471A	4/2/12	**4200**	106	**183**	75-125	20
Mercury														
	80775-01	< 0.00050	0.00100	0.00100	0.00095	0.00094	mg/L	EPA 7470A	4/2/12	91.0	90.0	1.05	75-125	20
Antimony														
	80785-01	< 0.015	0.400	0.400	0.332	0.334	mg/L	EPA 6010B	4/3/12	82.3	82.9	0.661	75-125	20

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Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Arsenic														
	80785-01	< 0.015	0.400	0.400	0.404	0.402	mg/L	EPA 6010B	4/3/12	100	99.5	0.496	75-125	20
Barium														
	80785-01	0.26	0.400	0.400	0.656	0.658	mg/L	EPA 6010B	4/3/12	98.3	99.0	0.426	75-125	20
Beryllium														
	80785-01	0.0011	0.400	0.400	0.410	0.416	mg/L	EPA 6010B	4/3/12	102	104	1.26	75-125	20
Cadmium														
	80785-01	< 0.0050	0.400	0.400	0.410	0.409	mg/L	EPA 6010B	4/3/12	102	102	0.335	75-125	20
Chromium														
	80785-01	0.090	0.400	0.400	0.491	0.490	mg/L	EPA 6010B	4/3/12	100	99.8	0.286	75-125	20
Cobalt														
	80785-01	0.0056	0.400	0.400	0.409	0.409	mg/L	EPA 6010B	4/3/12	101	101	0.0244	75-125	20
Copper														
	80785-01	0.027	0.400	0.400	0.441	0.445	mg/L	EPA 6010B	4/3/12	104	104	0.813	75-125	20
Lead														
	80785-01	0.0094	0.400	0.400	0.406	0.404	mg/L	EPA 6010B	4/3/12	99.2	98.6	0.666	75-125	20
Molybdenum														
	80785-01	< 0.0050	0.400	0.400	0.407	0.408	mg/L	EPA 6010B	4/3/12	101	101	0.270	75-125	20
Nickel														
	80785-01	0.057	0.400	0.400	0.458	0.458	mg/L	EPA 6010B	4/3/12	100	100	0.0874	75-125	20

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Selenium														
	80785-01	< 0.015	0.400	0.400	0.400	0.404	mg/L	EPA 6010B	4/3/12	99.8	101	0.970	75-125	20
Silver														
	80785-01	< 0.0050	0.100	0.100	0.100	0.100	mg/L	EPA 6010B	4/3/12	100	100	0.299	75-125	20
Thallium														
	80785-01	< 0.015	0.400	0.400	0.313	0.307	mg/L	EPA 6010B	4/3/12	78.0	76.6	1.81	75-125	20
Vanadium														
	80785-01	0.062	0.400	0.400	0.445	0.443	mg/L	EPA 6010B	4/3/12	95.8	95.3	0.428	75-125	20
Zinc														
	80785-01	0.050	0.400	0.400	0.461	0.460	mg/L	EPA 6010B	4/3/12	103	102	0.369	75-125	20
TPH as Diesel														
	80777-01	4400	19.3	19.4	6340	5150	mg/Kg	M EPA 8015	3/30/12	**10100**	**3950**	**87.8**	60-140	25
1,1,1,2-Tetrachloroethane														
	80795-01	<0.0050	0.0388	0.0391	0.0381	0.0379	mg/Kg	EPA 8260B	4/3/12	98.2	97.1	1.13	70.0-130	25
1,1,1-Trichloroethane														
	80795-01	<0.0050	0.0388	0.0391	0.0378	0.0381	mg/Kg	EPA 8260B	4/3/12	97.5	97.6	0.0478	70.0-130	25
1,1,2,2-Tetrachloroethane														
	80795-01	<0.0050	0.0388	0.0391	0.0398	0.0394	mg/Kg	EPA 8260B	4/3/12	103	101	1.88	60.7-133	25

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1,1,2-Trichloroethane														
	80795-01	<0.0050	0.0388	0.0391	0.0378	0.0381	mg/Kg	EPA 8260B	4/3/12	97.6	97.6	0.00850	70.0-130	25
1,1-Dichloroethane														
	80795-01	<0.0050	0.0388	0.0391	0.0395	0.0399	mg/Kg	EPA 8260B	4/3/12	102	102	0.296	66.1-120	25
1,1-Dichloroethene														
	80795-01	<0.0050	0.0388	0.0391	0.0412	0.0420	mg/Kg	EPA 8260B	4/3/12	106	108	1.28	65.9-122	25
1,1-Dichloropropene														
	80795-01	<0.0050	0.0388	0.0391	0.0397	0.0400	mg/Kg	EPA 8260B	4/3/12	102	102	0.122	70.0-130	25
1,2,3-Trichlorobenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0336	0.0343	mg/Kg	EPA 8260B	4/3/12	86.8	87.8	1.15	70.0-130	25
1,2,3-Trichloropropane														
	80795-01	<0.0050	0.0388	0.0391	0.0353	0.0352	mg/Kg	EPA 8260B	4/3/12	91.0	90.0	1.12	70.0-130	25
1,2,4-Trichlorobenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0356	0.0358	mg/Kg	EPA 8260B	4/3/12	91.9	91.8	0.117	70.0-130	25
1,2,4-Trimethylbenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0372	0.0367	mg/Kg	EPA 8260B	4/3/12	96.0	94.0	2.16	70.0-130	25
1,2-Dibromoethane														
	80795-01	<0.0050	0.0390	0.0393	0.0379	0.0374	mg/Kg	EPA 8260B	4/3/12	97.2	95.2	2.01	67.2-121	25
1,2-Dichlorobenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0372	0.0374	mg/Kg	EPA 8260B	4/3/12	96.1	95.9	0.276	56.3-123	25

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QC Report : Matrix Spike/ Matrix Spike Duplicate

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Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,2-Dichloroethane														
	80795-01	<0.0050	0.0388	0.0391	0.0374	0.0371	mg/Kg	EPA 8260B	4/3/12	96.5	94.9	1.70	64.0-124	25
1,2-Dichloropropane														
	80795-01	<0.0050	0.0388	0.0391	0.0397	0.0405	mg/Kg	EPA 8260B	4/3/12	102	104	1.23	66.6-120	25
1,2-dibromo-3-chloropropane														
	80795-01	<0.0050	0.0388	0.0391	0.0350	0.0347	mg/Kg	EPA 8260B	4/3/12	90.2	88.7	1.64	59.4-138	25
1,3,5-Trimethylbenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0391	0.0388	mg/Kg	EPA 8260B	4/3/12	101	99.3	1.64	70.0-130	25
1,3-Dichlorobenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0348	0.0342	mg/Kg	EPA 8260B	4/3/12	89.8	87.4	2.64	52.5-132	25
1,3-Dichloropropane														
	80795-01	<0.0050	0.0388	0.0391	0.0387	0.0389	mg/Kg	EPA 8260B	4/3/12	99.8	99.7	0.141	70.0-130	25
1,4-Dichlorobenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0378	0.0382	mg/Kg	EPA 8260B	4/3/12	97.5	97.8	0.304	57.0-123	25
2+4-Chlorotoluene														
	80795-01	<0.0050	0.0775	0.0781	0.0763	0.0759	mg/Kg	EPA 8260B	4/3/12	98.4	97.1	1.31	70.0-130	25
2,2-Dichloropropane														
	80795-01	<0.0050	0.0388	0.0391	0.0371	0.0370	mg/Kg	EPA 8260B	4/3/12	95.7	94.6	1.10	70.0-130	25
Benzene														
	80795-01	<0.0050	0.0388	0.0391	0.0397	0.0404	mg/Kg	EPA 8260B	4/3/12	102	103	0.889	67.9-120	25

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Report Number : 80795

QC Report : Matrix Spike/ Matrix Spike Duplicate

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Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Bromobenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0369	0.0365	mg/Kg	EPA 8260B	4/3/12	95.2	93.4	1.90	70.0-130	25
Bromochloromethane														
	80795-01	<0.0050	0.0388	0.0391	0.0383	0.0387	mg/Kg	EPA 8260B	4/3/12	98.8	99.0	0.135	70.0-130	25
Bromodichloromethane														
	80795-01	<0.0050	0.0388	0.0391	0.0386	0.0390	mg/Kg	EPA 8260B	4/3/12	99.5	99.8	0.368	70.0-130	25
Bromoform														
	80795-01	<0.0050	0.0388	0.0391	0.0380	0.0374	mg/Kg	EPA 8260B	4/3/12	98.0	95.8	2.21	58.2-146	25
Bromomethane														
	80795-01	<0.020	0.194	0.195	0.223	0.231	mg/Kg	EPA 8260B	4/3/12	115	118	2.90	45.5-139	25
Carbon Tetrachloride														
	80795-01	<0.0050	0.0388	0.0391	0.0379	0.0378	mg/Kg	EPA 8260B	4/3/12	97.9	96.9	1.03	70.0-130	25
Chlorobenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0378	0.0376	mg/Kg	EPA 8260B	4/3/12	97.6	96.3	1.24	63.4-122	25
Chloroethane														
	80795-01	<0.0050	0.0388	0.0391	0.0457	0.0465	mg/Kg	EPA 8260B	4/3/12	118	119	0.818	70.0-130	25
Chloroform														
	80795-01	<0.0050	0.0388	0.0391	0.0376	0.0379	mg/Kg	EPA 8260B	4/3/12	97.1	97.1	0.0203	67.4-121	25
Chloromethane														
	80795-01	<0.0050	0.0388	0.0391	0.0452	0.0443	mg/Kg	EPA 8260B	4/3/12	116	113	2.71	47.9-127	25

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Report Number : 80795

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Dibromochloromethane														
	80795-01	<0.0050	0.0388	0.0391	0.0383	0.0383	mg/Kg	EPA 8260B	4/3/12	98.8	98.2	0.635	70.0-130	25
Dibromomethane														
	80795-01	<0.0050	0.0388	0.0391	0.0373	0.0373	mg/Kg	EPA 8260B	4/3/12	96.2	95.5	0.696	70.0-130	25
Dichlorodifluoromethane														
	80795-01	<0.0050	0.0388	0.0391	0.0400	0.0392	mg/Kg	EPA 8260B	4/3/12	103	100	2.81	40.5-144	25
Diisopropyl ether														
	80795-01	<0.0050	0.0383	0.0386	0.0393	0.0401	mg/Kg	EPA 8260B	4/3/12	103	104	1.33	65.2-122	25
Ethanol														
	80795-01	<0.050	0.0971	0.0978	0.137	0.137	mg/Kg	EPA 8260B	4/3/12	141	140	0.420	37.1-156	25
Ethyl-tert-butyl ether														
	80795-01	<0.0050	0.0388	0.0391	0.0367	0.0372	mg/Kg	EPA 8260B	4/3/12	94.6	95.3	0.700	64.6-122	25
Ethylbenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0407	0.0405	mg/Kg	EPA 8260B	4/3/12	105	104	1.29	65.5-127	25
Hexachlorobutadiene														
	80795-01	<0.0050	0.0388	0.0391	0.0340	0.0346	mg/Kg	EPA 8260B	4/3/12	87.6	88.6	1.06	70.0-130	25
Isopropyl benzene														
	80795-01	<0.0050	0.0388	0.0391	0.0386	0.0383	mg/Kg	EPA 8260B	4/3/12	99.6	98.1	1.50	70.0-130	25
Methanol														
	80795-01	<0.20	0.969	0.976	1.34	1.28	mg/Kg	EPA 8260B	4/3/12	139	131	5.92	26.8-154	25

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Methyl-t-butyl ether														
	80795-01	<0.0050	0.0388	0.0391	0.0360	0.0359	mg/Kg	EPA 8260B	4/3/12	92.8	91.8	1.04	57.0-122	25
Methylene Chloride														
	80795-01	<0.0050	0.0388	0.0391	0.0385	0.0388	mg/Kg	EPA 8260B	4/3/12	99.4	99.4	0.0340	70.0-130	25
Naphthalene														
	80795-01	<0.0050	0.0388	0.0391	0.0337	0.0348	mg/Kg	EPA 8260B	4/3/12	87.0	89.0	2.32	70.0-130	25
O-Xylene														
	80795-01	<0.0050	0.0388	0.0391	0.0394	0.0396	mg/Kg	EPA 8260B	4/3/12	102	101	0.418	62.3-124	25
P + M Xylene														
	80795-01	<0.0050	0.0388	0.0391	0.0394	0.0392	mg/Kg	EPA 8260B	4/3/12	102	100	1.24	62.5-124	25
Styrene														
	80795-01	<0.0050	0.0388	0.0391	0.0397	0.0399	mg/Kg	EPA 8260B	4/3/12	102	102	0.253	70.0-130	25
Tert-Butanol														
	80795-01	<0.0050	0.195	0.196	0.190	0.194	mg/Kg	EPA 8260B	4/3/12	97.8	99.0	1.24	64.3-122	25
Tert-amyl-methyl ether														
	80795-01	<0.0050	0.0382	0.0385	0.0368	0.0370	mg/Kg	EPA 8260B	4/3/12	96.2	96.0	0.264	64.9-122	25
Tetrachloroethene														
	80795-01	<0.0050	0.0388	0.0391	0.0383	0.0381	mg/Kg	EPA 8260B	4/3/12	98.8	97.6	1.28	64.7-122	25
Toluene														
	80795-01	<0.0050	0.0388	0.0391	0.0389	0.0392	mg/Kg	EPA 8260B	4/3/12	100	100	0.210	65.7-120	25

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Trichloroethene														
	80795-01	<0.0050	0.0388	0.0391	0.0375	0.0380	mg/Kg	EPA 8260B	4/3/12	96.7	97.2	0.519	63.9-121	25
Trichlorofluoromethane														
	80795-01	<0.0050	0.0388	0.0391	0.0383	0.0386	mg/Kg	EPA 8260B	4/3/12	98.9	98.9	0.0353	70.0-130	25
Vinyl Chloride														
	80795-01	<0.0050	0.0388	0.0391	0.0438	0.0426	mg/Kg	EPA 8260B	4/3/12	113	109	3.63	45.9-127	25
c-1,3-Dichloropropene														
	80795-01	<0.0050	0.0388	0.0391	0.0390	0.0396	mg/Kg	EPA 8260B	4/3/12	101	101	0.605	70.0-130	25
cis-1,2-Dichloroethene														
	80795-01	<0.0050	0.0388	0.0391	0.0385	0.0389	mg/Kg	EPA 8260B	4/3/12	99.3	99.5	0.251	70.0-130	25
n-butylbenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0392	0.0397	mg/Kg	EPA 8260B	4/3/12	101	102	0.508	70.0-130	25
n-propylbenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0385	0.0382	mg/Kg	EPA 8260B	4/3/12	99.4	97.7	1.70	70.0-130	25
p-isopropyltoluene														
	80795-01	<0.0050	0.0388	0.0391	0.0361	0.0356	mg/Kg	EPA 8260B	4/3/12	93.1	91.2	2.05	70.0-130	25
sec-butylbenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0372	0.0370	mg/Kg	EPA 8260B	4/3/12	95.9	94.6	1.35	70.0-130	25
t-1,2-Dichloroethene														
	80795-01	<0.0050	0.0388	0.0391	0.0391	0.0400	mg/Kg	EPA 8260B	4/3/12	101	102	1.54	70.0-130	25

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Project Name : **Rincon Mushroom Farm**

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t-1,3-Dichloropropene														
	80795-01	<0.0050	0.0388	0.0391	0.0384	0.0386	mg/Kg	EPA 8260B	4/3/12	99.2	98.8	0.406	70.0-130	25
tert-butylbenzene														
	80795-01	<0.0050	0.0388	0.0391	0.0371	0.0366	mg/Kg	EPA 8260B	4/3/12	95.7	93.7	2.15	70.0-130	25
1,2-Dibromoethane														
	80795-16	<0.50	40.2	40.2	45.0	41.3	ug/L	EPA 8260B	4/3/12	112	103	8.65	80-120	25
1,2-Dichloroethane														
	80795-16	<0.50	40.0	40.0	41.8	38.0	ug/L	EPA 8260B	4/3/12	105	95.0	9.64	75.7-122	25
Benzene														
	80795-16	<0.50	40.0	40.0	40.2	36.4	ug/L	EPA 8260B	4/3/12	100	91.0	9.81	80-120	25
Diisopropyl ether														
	80795-16	<0.50	39.5	39.5	37.5	34.6	ug/L	EPA 8260B	4/3/12	94.8	87.5	8.04	80-120	25
Ethanol														
	80795-16	<5.0	100	100	105	97.3	ug/L	EPA 8260B	4/3/12	105	97.2	7.70	55.1-159	25
Ethyl-tert-butyl ether														
	80795-16	<0.50	40.0	40.0	39.8	37.4	ug/L	EPA 8260B	4/3/12	99.6	93.6	6.20	76.5-120	25
Ethylbenzene														
	80795-16	<0.50	40.0	40.0	42.9	39.4	ug/L	EPA 8260B	4/3/12	107	98.5	8.38	80-120	25

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Methanol														
	80795-16	<50	1000	1000	1300	1220	ug/L	EPA 8260B	4/3/12	130	122	6.91	53.2-147	25
Methyl-t-butyl ether														
	80795-16	<0.50	40.0	40.0	38.2	35.4	ug/L	EPA 8260B	4/3/12	95.4	88.4	7.61	69.7-121	25
P + M Xylene														
	80795-16	<0.50	40.0	40.0	41.6	38.0	ug/L	EPA 8260B	4/3/12	104	95.0	8.91	76.8-120	25
Tert-Butanol														
	80795-16	<5.0	201	201	210	193	ug/L	EPA 8260B	4/3/12	104	96.0	8.32	80-120	25
Tert-amyl-methyl ether														
	80795-16	<0.50	39.4	39.4	40.6	38.3	ug/L	EPA 8260B	4/3/12	103	97.0	5.96	78.9-120	25
Toluene														
	80795-16	<0.50	40.0	40.0	43.8	39.7	ug/L	EPA 8260B	4/3/12	110	99.3	9.88	80-120	25
1,1,1,2-Tetrachloroethane														
	80847-03	<0.50	40.0	40.0	43.0	41.8	ug/L	EPA 8260B	4/2/12	108	105	2.82	70.0-130	25
1,1,1-Trichloroethane														
	80847-03	<0.50	40.0	40.0	43.0	40.2	ug/L	EPA 8260B	4/2/12	107	100	6.64	70.0-130	25
1,1,2,2-Tetrachloroethane														
	80847-03	<0.50	40.0	40.0	44.4	43.3	ug/L	EPA 8260B	4/2/12	111	108	2.56	80-121	25

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1,1,2-Trichloroethane														
	80847-03	<0.50	40.0	40.0	40.3	38.4	ug/L	EPA 8260B	4/2/12	101	95.9	5.01	70.0-130	25
1,1-Dichloroethane														
	80847-03	<0.50	40.0	40.0	42.4	41.2	ug/L	EPA 8260B	4/2/12	106	103	2.91	76.5-120	25
1,1-Dichloroethene														
	80847-03	<0.50	40.0	40.0	41.1	39.0	ug/L	EPA 8260B	4/2/12	103	97.5	5.34	69.6-124	25
1,1-Dichloropropene														
	80847-03	<0.50	40.0	40.0	41.7	38.4	ug/L	EPA 8260B	4/2/12	104	96.0	8.34	70.0-130	25
1,2,3-Trichlorobenzene														
	80847-03	<0.50	40.0	40.0	43.3	41.4	ug/L	EPA 8260B	4/2/12	108	103	4.60	70.0-130	25
1,2,3-Trichloropropane														
	80847-03	<0.50	40.0	40.0	42.2	41.4	ug/L	EPA 8260B	4/2/12	105	104	1.72	70.0-130	25
1,2,4-Trichlorobenzene														
	80847-03	<0.50	40.0	40.0	44.4	41.7	ug/L	EPA 8260B	4/2/12	111	104	6.28	70.0-130	25
1,2,4-Trimethylbenzene														
	80847-03	33	40.0	40.0	79.5	74.5	ug/L	EPA 8260B	4/2/12	115	103	11.4	70.0-130	25
1,2-Dibromoethane														
	80847-03	<0.50	40.2	40.2	42.4	40.7	ug/L	EPA 8260B	4/2/12	105	101	4.04	80-120	25
1,2-Dichlorobenzene														
	80847-03	<0.50	40.0	40.0	40.9	39.3	ug/L	EPA 8260B	4/2/12	102	98.3	4.00	80-120	25

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1,2-Dichloroethane														
	80847-03	<0.50	40.0	40.0	41.3	40.1	ug/L	EPA 8260B	4/2/12	103	100	2.86	75.7-122	25
1,2-Dichloropropane														
	80847-03	<0.50	40.0	40.0	40.9	38.9	ug/L	EPA 8260B	4/2/12	102	97.2	5.03	80-120	25
1,2-dibromo-3-chloropropane														
	80847-03	<0.50	40.0	40.0	47.1	46.2	ug/L	EPA 8260B	4/2/12	118	115	1.92	70.0-130	25
1,3,5-Trimethylbenzene														
	80847-03	9.6	40.0	40.0	55.2	52.8	ug/L	EPA 8260B	4/2/12	114	108	5.36	70.0-130	25
1,3-Dichlorobenzene														
	80847-03	<0.50	40.0	40.0	43.0	41.1	ug/L	EPA 8260B	4/2/12	107	103	4.42	79.3-120	25
1,3-Dichloropropane														
	80847-03	<0.50	40.0	40.0	40.4	39.1	ug/L	EPA 8260B	4/2/12	101	97.8	3.09	70.0-130	25
1,4-Dichlorobenzene														
	80847-03	<0.50	40.0	40.0	41.4	39.4	ug/L	EPA 8260B	4/2/12	104	98.6	4.91	80-120	25
2+4-Chlorotoluene														
	80847-03	<1.0	80.0	80.0	87.2	82.2	ug/L	EPA 8260B	4/2/12	109	103	5.85	70.0-130	25
2,2-Dichloropropane														
	80847-03	<0.50	40.0	40.0	43.0	39.7	ug/L	EPA 8260B	4/2/12	108	99.3	7.89	65.6-145	25
Benzene														
	80847-03	8.4	40.0	40.0	50.8	48.1	ug/L	EPA 8260B	4/2/12	106	99.1	6.78	80-120	25

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Bromobenzene														
	80847-03	<0.50	40.0	40.0	43.6	42.0	ug/L	EPA 8260B	4/2/12	109	105	3.61	70.0-130	25
Bromochloromethane														
	80847-03	<0.50	40.0	40.0	42.5	41.8	ug/L	EPA 8260B	4/2/12	106	105	1.53	70.0-130	25
Bromodichloromethane														
	80847-03	<0.50	40.0	40.0	42.1	40.3	ug/L	EPA 8260B	4/2/12	105	101	4.27	70.0-130	25
Bromoform														
	80847-03	<0.50	40.0	40.0	44.7	44.0	ug/L	EPA 8260B	4/2/12	112	110	1.77	73.0-142	25
Bromomethane														
	80847-03	<20	200	200	211	219	ug/L	EPA 8260B	4/2/12	105	109	3.56	33.5-140	25
Carbon Tetrachloride														
	80847-03	<0.50	40.0	40.0	43.3	39.7	ug/L	EPA 8260B	4/2/12	108	99.2	8.80	70.0-130	25
Chlorobenzene														
	80847-03	<0.50	40.0	40.0	41.0	39.4	ug/L	EPA 8260B	4/2/12	103	98.4	4.16	80-120	25
Chloroethane														
	80847-03	<0.50	40.0	40.0	40.6	38.6	ug/L	EPA 8260B	4/2/12	101	96.6	4.87	70.0-130	25
Chloroform														
	80847-03	<0.50	40.0	40.0	42.7	41.2	ug/L	EPA 8260B	4/2/12	107	103	3.56	80.0-120	25
Chloromethane														
	80847-03	1.1	40.0	40.0	44.4	42.7	ug/L	EPA 8260B	4/2/12	108	104	4.04	45.9-142	25

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Dibromochloromethane														
	80847-03	<0.50	40.0	40.0	40.4	38.9	ug/L	EPA 8260B	4/2/12	101	97.3	3.71	70.0-130	25
Dibromomethane														
	80847-03	<0.50	40.0	40.0	41.2	39.9	ug/L	EPA 8260B	4/2/12	103	99.7	3.31	70.0-130	25
Dichlorodifluoromethane														
	80847-03	<0.50	40.0	40.0	44.9	40.6	ug/L	EPA 8260B	4/2/12	112	101	10.0	47.4-151	25
Diisopropyl ether														
	80847-03	<0.50	39.5	39.5	42.1	42.1	ug/L	EPA 8260B	4/2/12	106	106	0.0415	80-120	25
Ethanol														
	80847-03	<5.0	100	100	101	98.6	ug/L	EPA 8260B	4/2/12	101	98.4	2.48	55.1-159	25
Ethyl-tert-butyl ether														
	80847-03	<0.50	40.0	40.0	40.7	41.2	ug/L	EPA 8260B	4/2/12	102	103	1.17	76.5-120	25
Ethylbenzene														
	80847-03	15	40.0	40.0	59.0	54.7	ug/L	EPA 8260B	4/2/12	110	99.2	10.1	80-120	25
Hexachlorobutadiene														
	80847-03	<0.50	40.0	40.0	41.6	38.2	ug/L	EPA 8260B	4/2/12	104	95.6	8.36	70.0-130	25
Isopropyl benzene														
	80847-03	2.0	40.0	40.0	45.8	42.6	ug/L	EPA 8260B	4/2/12	110	102	7.72	70.0-130	25
Methanol														
	80847-03	<50	1000	1000	969	934	ug/L	EPA 8260B	4/2/12	96.9	93.4	3.69	53.2-147	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Methyl-t-butyl ether														
	80847-03	<0.50	40.0	40.0	39.2	39.6	ug/L	EPA 8260B	4/2/12	98.0	99.0	1.02	69.7-121	25
Methylene Chloride														
	80847-03	<5.0	40.0	40.0	40.2	39.9	ug/L	EPA 8260B	4/2/12	100	99.7	0.760	70.0-130	25
Naphthalene														
	80847-03	4.9	40.0	40.0	51.6	50.4	ug/L	EPA 8260B	4/2/12	117	114	2.82	70.0-130	25
O-Xylene														
	80847-03	11	40.0	40.0	55.1	52.1	ug/L	EPA 8260B	4/2/12	111	104	7.09	79.7-120	25
P + M Xylene														
	80847-03	32	40.0	40.0	76.9	71.9	ug/L	EPA 8260B	4/2/12	112	99.8	11.8	76.8-120	25
Styrene														
	80847-03	0.53	40.0	40.0	44.7	42.5	ug/L	EPA 8260B	4/2/12	110	105	5.05	70.0-130	25
Tert-Butanol														
	80847-03	<5.0	201	201	204	201	ug/L	EPA 8260B	4/2/12	101	99.8	1.47	80-120	25
Tert-amyl-methyl ether														
	80847-03	<0.50	39.4	39.4	42.8	42.3	ug/L	EPA 8260B	4/2/12	108	107	1.15	78.9-120	25
Tetrachloroethene														
	80847-03	<0.50	40.0	40.0	41.1	37.8	ug/L	EPA 8260B	4/2/12	103	94.5	8.39	77.0-120	25
Toluene														
	80847-03	7.1	40.0	40.0	48.4	45.2	ug/L	EPA 8260B	4/2/12	103	95.3	8.14	80-120	25

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Report Number : 80795

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Trichloroethene														
	80847-03	<0.50	40.0	40.0	41.1	38.5	ug/L	EPA 8260B	4/2/12	103	96.2	6.60	80-120	25
Trichlorofluoromethane														
	80847-03	<0.50	40.0	40.0	42.1	40.4	ug/L	EPA 8260B	4/2/12	105	101	4.28	70.0-130	25
Vinyl Chloride														
	80847-03	<0.50	40.0	40.0	41.8	39.1	ug/L	EPA 8260B	4/2/12	104	97.8	6.67	42.1-138	25
c-1,3-Dichloropropene														
	80847-03	<5.0	40.0	40.0	41.5	40.0	ug/L	EPA 8260B	4/2/12	104	100	3.76	70.0-130	25
cis-1,2-Dichloroethene														
	80847-03	<0.50	40.0	40.0	42.1	41.4	ug/L	EPA 8260B	4/2/12	105	103	1.65	70.0-130	25
n-butylbenzene														
	80847-03	3.2	40.0	40.0	47.2	43.3	ug/L	EPA 8260B	4/2/12	110	100	9.26	70.0-130	25
n-propylbenzene														
	80847-03	6.3	40.0	40.0	51.1	47.2	ug/L	EPA 8260B	4/2/12	112	102	8.97	70.0-130	25
p-isopropyltoluene														
	80847-03	1.0	40.0	40.0	46.2	42.7	ug/L	EPA 8260B	4/2/12	113	104	8.15	70.0-130	25
sec-butylbenzene														
	80847-03	1.5	40.0	40.0	45.7	41.8	ug/L	EPA 8260B	4/2/12	110	100	9.31	70.0-130	25
t-1,2-Dichloroethene														
	80847-03	<5.0	40.0	40.0	42.1	40.6	ug/L	EPA 8260B	4/2/12	105	101	3.73	70.0-130	25

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QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
t-1,3-Dichloropropene														
	80847-03	<5.0	40.0	40.0	42.4	41.2	ug/L	EPA 8260B	4/2/12	106	103	2.68	70.0-130	25
tert-butylbenzene														
	80847-03	<0.50	40.0	40.0	44.6	41.3	ug/L	EPA 8260B	4/2/12	112	103	7.84	70.0-130	25
Benzene														
	80795-17	<0.50	40.0	40.0	43.4	42.1	ug/L	EPA 8260B	4/3/12	108	105	2.85	80-120	25
Ethylbenzene														
	80795-17	<0.50	40.0	40.0	44.8	43.2	ug/L	EPA 8260B	4/3/12	112	108	3.76	80-120	25
Methyl-t-butyl ether														
	80795-17	<0.50	40.0	40.0	39.2	39.8	ug/L	EPA 8260B	4/3/12	98.0	99.6	1.64	69.7-121	25
P + M Xylene														
	80795-17	<0.50	40.0	40.0	44.4	43.0	ug/L	EPA 8260B	4/3/12	111	107	3.34	76.8-120	25
Toluene														
	80795-17	<0.50	40.0	40.0	44.0	42.1	ug/L	EPA 8260B	4/3/12	110	105	4.52	80-120	25
Benzene														
	80795-18	<0.50	40.0	40.0	40.5	39.4	ug/L	EPA 8260B	4/3/12	101	98.4	2.93	80-120	25
Ethylbenzene														
	80795-18	<0.50	40.0	40.0	40.9	39.7	ug/L	EPA 8260B	4/3/12	102	99.2	3.14	80-120	25

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2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Methyl-t-butyl ether														
	80795-18	<0.50	40.0	40.0	41.1	40.5	ug/L	EPA 8260B	4/3/12	103	101	1.54	69.7-121	25
P + M Xylene														
	80795-18	<0.50	40.0	40.0	40.5	39.3	ug/L	EPA 8260B	4/3/12	101	98.2	3.09	76.8-120	25
Toluene														
	80795-18	<0.50	40.0	40.0	41.0	39.6	ug/L	EPA 8260B	4/3/12	102	99.0	3.42	80-120	25
TPH as Diesel														
	80840-04	1.3	19.6	19.6	19.0	18.2	mg/Kg	M EPA 8015	4/2/12	90.5	86.2	4.82	60-140	25
TPH as Diesel														
	BLANK	<50	1000	1000	969	1010	ug/L	M EPA 8015	4/3/12	96.9	101	4.25	70-130	25
TPH as Diesel														
	BLANK	<50	1000	1000	1000	970	ug/L	M EPA 8015	4/4/12	100	97.0	3.21	70-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Antimony	50.0	mg/Kg	EPA 6010B	4/2/12	99.4	85-115
Arsenic	50.0	mg/Kg	EPA 6010B	4/2/12	103	85-115
Barium	50.0	mg/Kg	EPA 6010B	4/2/12	104	85-115
Beryllium	50.0	mg/Kg	EPA 6010B	4/2/12	103	85-115
Cadmium	50.0	mg/Kg	EPA 6010B	4/2/12	102	85-115
Chromium	50.0	mg/Kg	EPA 6010B	4/2/12	101	85-115
Cobalt	50.0	mg/Kg	EPA 6010B	4/2/12	102	85-115
Copper	50.0	mg/Kg	EPA 6010B	4/2/12	101	85-115
Lead	50.0	mg/Kg	EPA 6010B	4/2/12	98.2	85-115
Molybdenum	50.0	mg/Kg	EPA 6010B	4/2/12	104	85-115
Nickel	50.0	mg/Kg	EPA 6010B	4/2/12	102	85-115
Selenium	50.0	mg/Kg	EPA 6010B	4/2/12	102	85-115
Silver	12.5	mg/Kg	EPA 6010B	4/2/12	101	85-115
Thallium	50.0	mg/Kg	EPA 6010B	4/2/12	104	85-115
Vanadium	50.0	mg/Kg	EPA 6010B	4/2/12	98.9	85-115
Zinc	50.0	mg/Kg	EPA 6010B	4/2/12	106	85-115
Mercury	0.100	mg/Kg	EPA 7471A	4/2/12	100	85-115
Mercury	0.00100	mg/L	EPA 7470A	4/2/12	101	85-115
Antimony	0.400	mg/L	EPA 6010B	4/3/12	103	85-115

KIFF ANALYTICAL, LLC

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Report Number : 80795

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Arsenic	0.400	mg/L	EPA 6010B	4/3/12	100	85-115
Barium	0.400	mg/L	EPA 6010B	4/3/12	103	85-115
Beryllium	0.400	mg/L	EPA 6010B	4/3/12	101	85-115
Cadmium	0.400	mg/L	EPA 6010B	4/3/12	101	85-115
Chromium	0.400	mg/L	EPA 6010B	4/3/12	102	85-115
Cobalt	0.400	mg/L	EPA 6010B	4/3/12	101	85-115
Copper	0.400	mg/L	EPA 6010B	4/3/12	102	85-115
Lead	0.400	mg/L	EPA 6010B	4/3/12	101	85-115
Molybdenum	0.400	mg/L	EPA 6010B	4/3/12	103	85-115
Nickel	0.400	mg/L	EPA 6010B	4/3/12	100	85-115
Selenium	0.400	mg/L	EPA 6010B	4/3/12	101	85-115
Silver	0.100	mg/L	EPA 6010B	4/3/12	100	85-115
Thallium	0.400	mg/L	EPA 6010B	4/3/12	102	85-115
Vanadium	0.400	mg/L	EPA 6010B	4/3/12	96.2	85-115
Zinc	0.400	mg/L	EPA 6010B	4/3/12	103	85-115
TPH as Diesel	20.0	mg/Kg	M EPA 8015	3/30/12	84.3	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	4/2/12	85.6	70-130
1,1,1,2-Tetrachloroethane	0.0394	mg/Kg	EPA 8260B	4/2/12	95.1	70.0-130
1,1,1-Trichloroethane	0.0394	mg/Kg	EPA 8260B	4/2/12	97.3	70.0-130

KIFF ANALYTICAL, LLC

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Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,1,2,2-Tetrachloroethane	0.0394	mg/Kg	EPA 8260B	4/2/12	114	60.7-133
1,1,2-Trichloroethane	0.0394	mg/Kg	EPA 8260B	4/2/12	101	70.0-130
1,1-Dichloroethane	0.0394	mg/Kg	EPA 8260B	4/2/12	100	66.1-120
1,1-Dichloroethene	0.0394	mg/Kg	EPA 8260B	4/2/12	104	65.9-122
1,1-Dichloropropene	0.0394	mg/Kg	EPA 8260B	4/2/12	100	70.0-130
1,2,3-Trichlorobenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	90.7	70.0-130
1,2,3-Trichloropropane	0.0394	mg/Kg	EPA 8260B	4/2/12	104	70.0-130
1,2,4-Trichlorobenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	93.6	70.0-130
1,2,4-Trimethylbenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	93.1	70.0-130
1,2-Dibromoethane	0.0396	mg/Kg	EPA 8260B	4/2/12	102	67.2-121
1,2-Dichlorobenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	95.1	56.3-123
1,2-Dichloroethane	0.0394	mg/Kg	EPA 8260B	4/2/12	100	64.0-124
1,2-Dichloropropane	0.0394	mg/Kg	EPA 8260B	4/2/12	103	66.6-120
1,2-dibromo-3-chloropropane	0.0394	mg/Kg	EPA 8260B	4/2/12	109	59.4-138
1,3,5-Trimethylbenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	97.6	70.0-130
1,3-Dichlorobenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	87.7	52.5-132
1,3-Dichloropropane	0.0394	mg/Kg	EPA 8260B	4/2/12	104	70.0-130
1,4-Dichlorobenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	95.5	57.0-123
2+4-Chlorotoluene	0.0787	mg/Kg	EPA 8260B	4/2/12	95.3	70.0-130
2,2-Dichloropropane	0.0394	mg/Kg	EPA 8260B	4/2/12	95.4	70.0-130
Benzene	0.0394	mg/Kg	EPA 8260B	4/2/12	101	67.9-120
Bromobenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	92.8	70.0-130
Bromochloromethane	0.0394	mg/Kg	EPA 8260B	4/2/12	99.9	70.0-130

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Bromodichloromethane	0.0394	mg/Kg	EPA 8260B	4/2/12	99.8	70.0-130
Bromoform	0.0394	mg/Kg	EPA 8260B	4/2/12	104	58.2-146
Bromomethane	0.197	mg/Kg	EPA 8260B	4/2/12	112	45.5-139
Carbon Tetrachloride	0.0394	mg/Kg	EPA 8260B	4/2/12	96.3	70.0-130
Chlorobenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	94.2	63.4-122
Chloroethane	0.0394	mg/Kg	EPA 8260B	4/2/12	117	70.0-130
Chloroform	0.0394	mg/Kg	EPA 8260B	4/2/12	97.2	67.4-121
Chloromethane	0.0394	mg/Kg	EPA 8260B	4/2/12	115	47.9-127
Dibromochloromethane	0.0394	mg/Kg	EPA 8260B	4/2/12	101	70.0-130
Dibromomethane	0.0394	mg/Kg	EPA 8260B	4/2/12	101	70.0-130
Dichlorodifluoromethane	0.0394	mg/Kg	EPA 8260B	4/2/12	103	40.5-144
Diisopropyl ether	0.0389	mg/Kg	EPA 8260B	4/2/12	102	65.2-122
Ethanol	0.0986	mg/Kg	EPA 8260B	4/2/12	109	37.1-156
Ethyl-tert-butyl ether	0.0394	mg/Kg	EPA 8260B	4/2/12	93.0	64.6-122
Ethylbenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	101	65.5-127
Hexachlorobutadiene	0.0394	mg/Kg	EPA 8260B	4/2/12	90.5	70.0-130
Isopropyl benzene	0.0394	mg/Kg	EPA 8260B	4/2/12	96.1	70.0-130
Methanol	0.984	mg/Kg	EPA 8260B	4/2/12	114	26.8-154
Methyl-t-butyl ether	0.0394	mg/Kg	EPA 8260B	4/2/12	94.6	57.0-122
Methylene Chloride	0.0394	mg/Kg	EPA 8260B	4/2/12	97.5	70.0-130
Naphthalene	0.0394	mg/Kg	EPA 8260B	4/2/12	96.5	70.0-130
O-Xylene	0.0394	mg/Kg	EPA 8260B	4/2/12	98.2	62.3-124
P + M Xylene	0.0394	mg/Kg	EPA 8260B	4/2/12	97.6	62.5-124

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Styrene	0.0394	mg/Kg	EPA 8260B	4/2/12	97.4	70.0-130
Tert-Butanol	0.198	mg/Kg	EPA 8260B	4/2/12	96.3	64.3-122
Tert-amyl-methyl ether	0.0388	mg/Kg	EPA 8260B	4/2/12	95.6	64.9-122
Tetrachloroethene	0.0394	mg/Kg	EPA 8260B	4/2/12	95.6	64.7-122
Toluene	0.0394	mg/Kg	EPA 8260B	4/2/12	99.2	65.7-120
Trichloroethene	0.0394	mg/Kg	EPA 8260B	4/2/12	93.9	63.9-121
Trichlorofluoromethane	0.0394	mg/Kg	EPA 8260B	4/2/12	97.9	70.0-130
Vinyl Chloride	0.0394	mg/Kg	EPA 8260B	4/2/12	109	45.9-127
c-1,3-Dichloropropene	0.0394	mg/Kg	EPA 8260B	4/2/12	102	70.0-130
cis-1,2-Dichloroethene	0.0394	mg/Kg	EPA 8260B	4/2/12	98.0	70.0-130
n-butylbenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	98.5	70.0-130
n-propylbenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	95.9	70.0-130
p-isopropyltoluene	0.0394	mg/Kg	EPA 8260B	4/2/12	90.3	70.0-130
sec-butylbenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	93.1	70.0-130
t-1,2-Dichloroethene	0.0394	mg/Kg	EPA 8260B	4/2/12	101	70.0-130
t-1,3-Dichloropropene	0.0394	mg/Kg	EPA 8260B	4/2/12	102	70.0-130
tert-butylbenzene	0.0394	mg/Kg	EPA 8260B	4/2/12	92.6	70.0-130
1,2-Dibromoethane	40.2	ug/L	EPA 8260B	4/3/12	110	80-120
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	4/3/12	103	75.7-122
Benzene	40.0	ug/L	EPA 8260B	4/3/12	98.5	80-120
Diisopropyl ether	39.5	ug/L	EPA 8260B	4/3/12	91.8	80-120
Ethanol	100	ug/L	EPA 8260B	4/3/12	106	55.1-159

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Ethyl-tert-butyl ether	40.0	ug/L	EPA 8260B	4/3/12	98.6	76.5-120
Ethylbenzene	40.0	ug/L	EPA 8260B	4/3/12	108	80-120
Methanol	1000	ug/L	EPA 8260B	4/3/12	125	53.2-147
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	4/3/12	93.6	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	4/3/12	103	76.8-120
TPH as Gasoline	506	ug/L	EPA 8260B	4/3/12	94.4	70.0-130
Tert-Butanol	201	ug/L	EPA 8260B	4/3/12	104	80-120
Tert-amyl-methyl ether	39.4	ug/L	EPA 8260B	4/3/12	104	78.9-120
Toluene	40.0	ug/L	EPA 8260B	4/3/12	109	80-120
1,1,1,2-Tetrachloroethane	39.9	ug/L	EPA 8260B	4/2/12	110	70.0-130
1,1,1-Trichloroethane	39.9	ug/L	EPA 8260B	4/2/12	107	70.0-130
1,1,2,2-Tetrachloroethane	39.9	ug/L	EPA 8260B	4/2/12	110	80-121
1,1,2-Trichloroethane	39.9	ug/L	EPA 8260B	4/2/12	101	70.0-130
1,1-Dichloroethane	39.9	ug/L	EPA 8260B	4/2/12	105	76.5-120
1,1-Dichloroethene	39.9	ug/L	EPA 8260B	4/2/12	102	69.6-124
1,1-Dichloropropene	39.9	ug/L	EPA 8260B	4/2/12	105	70.0-130
1,2,3-Trichlorobenzene	39.9	ug/L	EPA 8260B	4/2/12	106	70.0-130
1,2,3-Trichloropropane	39.9	ug/L	EPA 8260B	4/2/12	107	70.0-130
1,2,4-Trichlorobenzene	39.9	ug/L	EPA 8260B	4/2/12	109	70.0-130
1,2,4-Trimethylbenzene	39.9	ug/L	EPA 8260B	4/2/12	112	70.0-130
1,2-Dibromoethane	40.1	ug/L	EPA 8260B	4/2/12	106	80-120
1,2-Dichlorobenzene	39.9	ug/L	EPA 8260B	4/2/12	104	80-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,2-Dichloroethane	39.9	ug/L	EPA 8260B	4/2/12	104	75.7-122
1,2-Dichloropropane	39.9	ug/L	EPA 8260B	4/2/12	103	80-120
1,2-dibromo-3-chloropropane	39.9	ug/L	EPA 8260B	4/2/12	113	70.0-130
1,3,5-Trimethylbenzene	39.9	ug/L	EPA 8260B	4/2/12	113	70.0-130
1,3-Dichlorobenzene	39.9	ug/L	EPA 8260B	4/2/12	109	79.3-120
1,3-Dichloropropane	39.9	ug/L	EPA 8260B	4/2/12	103	70.0-130
1,4-Dichlorobenzene	39.9	ug/L	EPA 8260B	4/2/12	105	80-120
2+4-Chlorotoluene	79.8	ug/L	EPA 8260B	4/2/12	110	70.0-130
2,2-Dichloropropane	39.9	ug/L	EPA 8260B	4/2/12	106	65.6-145
Benzene	39.9	ug/L	EPA 8260B	4/2/12	106	80-120
Bromobenzene	39.9	ug/L	EPA 8260B	4/2/12	110	70.0-130
Bromochloromethane	39.9	ug/L	EPA 8260B	4/2/12	106	70.0-130
Bromodichloromethane	39.9	ug/L	EPA 8260B	4/2/12	106	70.0-130
Bromoform	39.9	ug/L	EPA 8260B	4/2/12	112	73.0-142
Bromomethane	200	ug/L	EPA 8260B	4/2/12	99.1	33.5-140
Carbon Tetrachloride	39.9	ug/L	EPA 8260B	4/2/12	108	70.0-130
Chlorobenzene	39.9	ug/L	EPA 8260B	4/2/12	104	80-120
Chloroethane	39.9	ug/L	EPA 8260B	4/2/12	99.5	70.0-130
Chloroform	39.9	ug/L	EPA 8260B	4/2/12	107	80.0-120
Chloromethane	39.9	ug/L	EPA 8260B	4/2/12	110	45.9-142
Dibromochloromethane	39.9	ug/L	EPA 8260B	4/2/12	102	70.0-130
Dibromomethane	39.9	ug/L	EPA 8260B	4/2/12	103	70.0-130
Dichlorodifluoromethane	39.9	ug/L	EPA 8260B	4/2/12	108	47.4-151

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Diisopropyl ether	39.4	ug/L	EPA 8260B	4/2/12	105	80-120
Ethanol	99.9	ug/L	EPA 8260B	4/2/12	101	55.1-159
Ethyl-tert-butyl ether	39.9	ug/L	EPA 8260B	4/2/12	102	76.5-120
Ethylbenzene	39.9	ug/L	EPA 8260B	4/2/12	110	80-120
Hexachlorobutadiene	39.9	ug/L	EPA 8260B	4/2/12	111	70.0-130
Isopropyl benzene	39.9	ug/L	EPA 8260B	4/2/12	110	70.0-130
Methanol	997	ug/L	EPA 8260B	4/2/12	107	53.2-147
Methyl-t-butyl ether	39.9	ug/L	EPA 8260B	4/2/12	97.2	69.7-121
Methylene Chloride	39.9	ug/L	EPA 8260B	4/2/12	101	70.0-130
Naphthalene	39.9	ug/L	EPA 8260B	4/2/12	113	70.0-130
O-Xylene	39.9	ug/L	EPA 8260B	4/2/12	111	79.7-120
P + M Xylene	39.9	ug/L	EPA 8260B	4/2/12	109	76.8-120
Styrene	39.9	ug/L	EPA 8260B	4/2/12	111	70.0-130
TPH as Gasoline	504	ug/L	EPA 8260B	4/2/12	98.2	70.0-130
Tert-Butanol	200	ug/L	EPA 8260B	4/2/12	102	80-120
Tert-amyl-methyl ether	39.4	ug/L	EPA 8260B	4/2/12	108	78.9-120
Tetrachloroethene	39.9	ug/L	EPA 8260B	4/2/12	106	77.0-120
Toluene	39.9	ug/L	EPA 8260B	4/2/12	105	80-120
Trichloroethene	39.9	ug/L	EPA 8260B	4/2/12	104	80-120
Trichlorofluoromethane	39.9	ug/L	EPA 8260B	4/2/12	102	70.0-130
Vinyl Chloride	39.9	ug/L	EPA 8260B	4/2/12	104	42.1-138
c-1,3-Dichloropropene	39.9	ug/L	EPA 8260B	4/2/12	106	70.0-130
cis-1,2-Dichloroethene	39.9	ug/L	EPA 8260B	4/2/12	105	70.0-130

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80795

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
n-butylbenzene	39.9	ug/L	EPA 8260B	4/2/12	112	70.0-130
n-propylbenzene	39.9	ug/L	EPA 8260B	4/2/12	112	70.0-130
p-isopropyltoluene	39.9	ug/L	EPA 8260B	4/2/12	116	70.0-130
sec-butylbenzene	39.9	ug/L	EPA 8260B	4/2/12	113	70.0-130
t-1,2-Dichloroethene	39.9	ug/L	EPA 8260B	4/2/12	105	70.0-130
t-1,3-Dichloropropene	39.9	ug/L	EPA 8260B	4/2/12	109	70.0-130
tert-butylbenzene	39.9	ug/L	EPA 8260B	4/2/12	111	70.0-130
Benzene	40.2	ug/L	EPA 8260B	4/3/12	107	80-120
Ethylbenzene	40.2	ug/L	EPA 8260B	4/3/12	111	80-120
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	4/3/12	98.0	69.7-121
P + M Xylene	40.2	ug/L	EPA 8260B	4/3/12	109	76.8-120
TPH as Gasoline	505	ug/L	EPA 8260B	4/3/12	101	70.0-130
Toluene	40.2	ug/L	EPA 8260B	4/3/12	109	80-120
Benzene	39.9	ug/L	EPA 8260B	4/3/12	101	80-120
Ethylbenzene	39.9	ug/L	EPA 8260B	4/3/12	103	80-120
Methyl-t-butyl ether	39.9	ug/L	EPA 8260B	4/3/12	94.3	69.7-121
P + M Xylene	39.9	ug/L	EPA 8260B	4/3/12	103	76.8-120
TPH as Gasoline	507	ug/L	EPA 8260B	4/3/12	101	70.0-130
Toluene	39.9	ug/L	EPA 8260B	4/3/12	103	80-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 80795

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Stephen Lane

California EDF Report? ☐ Yes ☑ No

Company / Address: Applied Engineering & Geology, Inc.
P.O. Box 247, Lincoln, CA 95648

Sampling Company Log Code: AEGI

Phone Number: 916-645-6014

Global ID:

Fax Number: 916-645-6098

EDF Deliverable To (Email Address): aeg@aegEngineers.com

Project #:

P.O. #:

Bill to: Rincon Band of Luiseno Indians

Project Name: Rincon Mushroom Farm

Sampler Signature: Dane Franks

Project Address: 33777 Valley Center Road, Valley Center, CA 92082

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

Sample Designation	Field Point Name	Sampling Date	Sampling Time	40 ml VOA	250 mL Poly	1L Poly	Glass	Sleeve	Tedlar 10-mL Poly	HCl	HNO_3	$Na_2S_2O_3$	Ice	None	Water	Soil	Air	TPHg, BTEX, MTBE (EPA 8260B)	TPHg, BTEX, 7 Oxys (EPA 8260B)	TPHg, BTEX, 7 Oxys, Lead Scavs. (EPA 8260B)	TPHd and TPHmo (EPA 8015M)	Full List SVOCS (EPA 8270C)	CAM 17 Metals (EPA 6010B)	General Minerals (Various Methods)	Chlorinated Herbicides (EPA 8151A)	Organochlorine Pesticides (EPA 8081A)	Organophosphorus Pesticides (EPA 8141A)	Coli form: total, fecal, and E.coli (SM 9221)	Full List VOCs (EPA 8260B)	Hold	For Lab Use Only (JRS)
B-20@15'		03/26/12	1300					2					X			X				X	X										11 01
B-23@15'		03/26/12	1705					2					X			X				X	X										12 02
B-24@9'		03/27/12	0820					2					X			X			X		X	X	X		X	X	X	X	X		13 03
B-22@9'		03/27/12	1020					2					X			X			X		X	X	X		X	X	X	X	X		14 04
B-19@15'		03/26/12	1524					2					X			X				X	X										15 05
B-21@15'		03/26/12	1040					2					X			X				X	X										16 06
B-25@9'		03/27/12	1210					2											X		X	X	X		X	X	X	X	X		17 07
																															18 08
B-25		03/27/12	1325	6	2	2	4		1	X	X	X	X		X				X		X	X	X	X	X	X	X	X			19 09

Relinquished by:	Date	Time	Received by:
Dane Franks	03/27/12	1345	14:00 JR Kiff Analytical Rep
JR Kiff Analytical Rep	3/27/12	14:00	
	032812	0915	Received by Laboratory: Kiff Analytical

Remarks:
General mineral includes: total alkalinity, bicarbonate as CaCO3, chloride, Nitrate as N, Sulfate as SO4, total dissolved solids, calcium, magnesium, potassium, and sodium.

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Copy - Originator
Rev: 122209

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 80795

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Stephen Lane

California EDF Report? ☐ Yes ☑ No

Company / Address: Applied Engineering & Geology, Inc.
P.O. Box 247, Lincoln, CA 95648

Sampling Company Log Code: AEGI

Phone Number: 916-645-6014

Global ID:

Fax Number: 916-645-6098

EDF Deliverable To (Email Address): aeg@aegEngineers.com

Project #:

P.O. #:

Bill to: Rincon Band of Luiseno Indians

Project Name: Rincon Mushroom Farm

Sampler Signature: Dane Frank

Project Address: 33777 Valley Center Road, Valley Center, CA 92082

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

Sample Designation	Field Point Name	Sampling Date	Sampling Time	Container: 40 ml VOA	250 mL Poly	1L Poly	Glass	Sleeve	~~Tedlar~~ 100mL Poly	Preservative: HCl	HNO_3	$Na_2S_2O_3$	Ice	None	Matrix: Water	Soil	Air	TPHg, BTEX, MTBE (EPA 8260B)	TPHg, BTEX, 7 Oxys (EPA 8260B)	TPHg, BTEX, 7 Oxys, Lead Scavs. (EPA 8260B)	TPHd and TPHmo (EPA 8015M)	Full List SVOCS (EPA 8270C)	CAM 17 Metals (EPA 6010B)	General Minerals (Various Methods)	Chlorinated Herbicides (EPA 8151A)	Organochlorine Pesticides (EPA 8081A)	Organophosphorus Pesticides (EPA 8141A)	Coli form: total, fecal, and E.coli (SM 9221)	Full List VOCs (EPA 8260B)	Hold	For Lab Use Only
B-22		03/27/12	1055	6	2	2	4		1	X	X	X	X		X				X		X	X	X	X	X	X	X	X	X		01
B-24		03/27/12	0900	6	2	2	4		1	X	X	X	X		X				X		X	X	X	X	X	X	X	X	X		02
R-21		03/26/12	1125	6						X					X					X	X									03
B-23		03/26/12	1535	6						X					X					X	X									04
B-20		03/26/12	1330	6						X					X					X	X									05
B-19		03/26/12	1545	6						X					X					X	X									06
MW-4		03/26/12	1800	6						X					X			X			X									07
MW-10		03/26/12	1552	6						X					X			X			X									08
EW-1		03/27/12	1005	6						X					X			X			X									09
MW-5		03/27/12	1235	6						X					X			X			X									10

Relinquished by:	Date	Time	Received by:
Dane Frank	03/27/12	1545	[signature] 14:00 Kiff Analytical Rep
[signature] Kiff Analytical Rep	3/27/12	14:00	
	032812	0915	[signature] Kiff Analytical

Remarks:
General mineral includes: total alkalinity, bicarbonate as CaCO3, chloride, Nitrate as N, Sulfate as SO4, total dissolved solids, calcium, magnesium, potassium, and sodium.

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Copy - Originator
Rev: 122209

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER: Initials

SRG#: 80795 Date: 032812

Project ID: Rincon Mushroom Farm

Method of Receipt: ☐ Courier ☐ Over-the-counter ☑ Shipper on Trac

COC Inspection

Is COC present?	☑ Yes	☐ No		
Custody seals on shipping container?	☑ Intact	☐ Broken	☐ Not present	☐ N/A
Is COC Signed by Relinquisher? ☑ Yes ☐ No Dated?	☑ Yes	☐ No		
Is sampler name legibly indicated on COC?	☑ Yes	☐ No		
Is analysis or hold requested for all samples?	☐ Yes	☐ No		
Is the turnaround time indicated on COC?	☐ Yes	☐ No		
Is COC free of whiteout and uninitialed cross-outs?	☐ Yes	☐ No, Whiteout	☐ No, Cross-outs	

Sample Inspection

Coolant Present: ☐ Yes ☐ No (includes water)

Temperature °C 4.3 Therm. ID# IR-4 Initial EG Date/Time 032812 0900 ☐ N/A

Are there custody seals on sample containers?	☐ Intact	☐ Broken	☐ Not present	
Do containers match COC? ☐ Yes ☐ No ☐ No, COC lists absent sample(s)		☐ No, Extra sample(s) present		
Are there samples matrices other than soil, water, air or carbon?	☐ Yes	☐ No		
Are any sample containers broken, leaking or damaged?	☐ Yes	☐ No		
Are preservatives indicated? ☐ Yes, on sample containers	☐ Yes, on COC	☐ Not indicated	☐ N/A	
Are preservatives correct for analyses requested?	☐ Yes	☐ No	☐ N/A	
Are samples within holding time for analyses requested?	☐ Yes	☐ No		
Are the correct sample containers used for the analyses requested?	☐ Yes	☐ No		
Is there sufficient sample to perform testing?	☐ Yes	☐ No		
Does any sample contain product, have strong odor or are otherwise suspected to be hot?		☐ Yes	☐ No	

Receipt Details

Matrix SO	Container type Sleeve	# of containers received 7
Matrix WA	Container type Poly	# of containers received 3
Matrix WA	Container type Vial	# of containers received 66

Date and Time Sample Put into Temp Storage Date: 032812 Time: 0915

Quicklog

Are the Sample ID's indicated:	☐ On COC	☐ On sample container(s)	☑ On Both	☐ Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	☑ Yes	☐ No	☐ N/A	
Is the Project ID indicated:	☐ On COC	☐ On sample container(s)	☑ On Both	☐ Not indicated
If project ID is listed on both COC and containers, do they all match?	☑ Yes	☐ No	☐ N/A	
Are the sample collection dates indicated:	☐ On COC	☐ On sample container(s)	☑ On Both	☐ Not indicated
If collection dates are listed on both COC and containers, do they all match?	☑ Yes	☐ No	☐ N/A	
Are the sample collection times indicated:	☐ On COC	☐ On sample container(s)	☑ On Both	☐ Not indicated
If collection times are listed on both COC and containers, do they all match?	☑ Yes	☐ No	☐ N/A	

COMMENTS: Sub samples previously sent to CSE. EG 032812 0915

Leaders in Analytical Science and Service

KIFF Analytical LLC

Subcontract Laboratory Report Attachments

2795 Second Street, Suite 300 Davis, CA 95618
tel 530.297.4800 fax 530.297.4808
www.kiffanalytical.com

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-03-1821

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Kiff Analytical

Client Project Name: Rincon Mushroom Farm

Attention: Joel Kiff
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Amanda Porter

Approved for release on 04/4/2012 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

Accredited in accordance with nelac

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

Calscience Environmental Laboratories, Inc.

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Work Order Number: 12-03-1821

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-22	**12-03-1821-9-E**	**03/27/12 10:55**	**Aqueous**	**GC 51**	**03/28/12**	**03/30/12 16:29**	**120328L06**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.11	1.11		Endrin	ND	0.11	1.11	
Gamma-BHC	ND	0.11	1.11		Endrin Aldehyde	ND	0.11	1.11	
Beta-BHC	ND	0.11	1.11		4,4'-DDD	ND	0.11	1.11	
Heptachlor	ND	0.11	1.11		Endosulfan II	ND	0.11	1.11	
Delta-BHC	ND	0.11	1.11		4,4'-DDT	ND	0.11	1.11	
Aldrin	ND	0.11	1.11		Endosulfan Sulfate	ND	0.11	1.11	
Heptachlor Epoxide	ND	0.11	1.11		Methoxychlor	ND	0.11	1.11	
Endosulfan I	ND	0.11	1.11		Chlordane	ND	1.1	1.11	
Dieldrin	ND	0.11	1.11		Toxaphene	ND	2.2	1.11	
4,4'-DDE	ND	0.11	1.11		Endrin Ketone	ND	0.11	1.11	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	70	50-135		2,4,5,6-Tetrachloro-m-Xylene	62	50-135	

B-24	**12-03-1821-10-E**	**03/27/12 09:00**	**Aqueous**	**GC 51**	**03/28/12**	**03/30/12 16:43**	**120328L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.10	1		Endrin	ND	0.10	1	
Gamma-BHC	ND	0.10	1		Endrin Aldehyde	ND	0.10	1	
Beta-BHC	ND	0.10	1		4,4'-DDD	ND	0.10	1	
Heptachlor	ND	0.10	1		Endosulfan II	ND	0.10	1	
Delta-BHC	ND	0.10	1		4,4'-DDT	ND	0.10	1	
Aldrin	ND	0.10	1		Endosulfan Sulfate	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1		Methoxychlor	ND	0.10	1	
Endosulfan I	ND	0.10	1		Chlordane	ND	1.0	1	
Dieldrin	ND	0.10	1		Toxaphene	ND	2.0	1	
4,4'-DDE	ND	0.10	1		Endrin Ketone	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	88	50-135		2,4,5,6-Tetrachloro-m-Xylene	71	50-135	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-529-522**	**N/A**	**Aqueous**	**GC 51**	**03/28/12**	**03/30/12 15:45**	**120328L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.10	1		Endrin	ND	0.10	1	
Gamma-BHC	ND	0.10	1		Endrin Aldehyde	ND	0.10	1	
Beta-BHC	ND	0.10	1		4,4'-DDD	ND	0.10	1	
Heptachlor	ND	0.10	1		Endosulfan II	ND	0.10	1	
Delta-BHC	ND	0.10	1		4,4'-DDT	ND	0.10	1	
Aldrin	ND	0.10	1		Endosulfan Sulfate	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1		Methoxychlor	ND	0.10	1	
Endosulfan I	ND	0.10	1		Chlordane	ND	1.0	1	
Dieldrin	ND	0.10	1		Toxaphene	ND	2.0	1	
4,4'-DDE	ND	0.10	1		Endrin Ketone	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	50-135		2,4,5,6-Tetrachloro-m-Xylene	63	50-135	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

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Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: Rincon Mushroom Farm			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-24@9'	**12-03-1821-3-B**	**03/27/12 08:20**	**Solid**	**GC 44**	**03/30/12**	**04/03/12 13:40**	**120330L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	5.0	1		Endosulfan II	ND	5.0	1	
Alpha-BHC	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Beta-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Chlordane	ND	50	1		Endrin Aldehyde	ND	5.0	1	
4,4'-DDD	ND	5.0	1		Endrin Ketone	ND	5.0	1	
4,4'-DDE	ND	5.0	1		Gamma-BHC	ND	5.0	1	
4,4'-DDT	ND	5.0	1		Heptachlor	ND	5.0	1	
Delta-BHC	ND	5.0	1		Heptachlor Epoxide	ND	5.0	1	
Dieldrin	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Toxaphene	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Decachlorobiphenyl	97	50-135			2,4,5,6-Tetrachloro-m-Xylene	76	50-135		

B-22@9'	**12-03-1821-4-B**	**03/27/12 10:20**	**Solid**	**GC 44**	**03/30/12**	**04/03/12 13:55**	**120330L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	5.0	1		Endosulfan II	ND	5.0	1	
Alpha-BHC	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Beta-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Chlordane	ND	50	1		Endrin Aldehyde	ND	5.0	1	
4,4'-DDD	ND	5.0	1		Endrin Ketone	ND	5.0	1	
4,4'-DDE	ND	5.0	1		Gamma-BHC	ND	5.0	1	
4,4'-DDT	ND	5.0	1		Heptachlor	ND	5.0	1	
Delta-BHC	ND	5.0	1		Heptachlor Epoxide	ND	5.0	1	
Dieldrin	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Toxaphene	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Decachlorobiphenyl	85	50-135			2,4,5,6-Tetrachloro-m-Xylene	86	50-135		

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: Rincon Mushroom Farm			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1,165**	**N/A**	**Solid**	**GC 44**	**03/30/12**	**04/03/12 12:57**	**120330L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	5.0	1		Endosulfan II	ND	5.0	1	
Alpha-BHC	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Beta-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Chlordane	ND	50	1		Endrin Aldehyde	ND	5.0	1	
4,4'-DDD	ND	5.0	1		Endrin Ketone	ND	5.0	1	
4,4'-DDE	ND	5.0	1		Gamma-BHC	ND	5.0	1	
4,4'-DDT	ND	5.0	1		Heptachlor	ND	5.0	1	
Delta-BHC	ND	5.0	1		Heptachlor Epoxide	ND	5.0	1	
Dieldrin	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Toxaphene	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	94	50-135		2,4,5,6-Tetrachloro-m-Xylene	97	50-135	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8141B
		Units:	mg/L
Project: Rincon Mushroom Farm			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-22	**12-03-1821-9-D**	**03/27/12 10:55**	**Aqueous**	**GC 35**	**03/28/12**	**03/29/12 19:03**	**120328L05**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0062	1.25		Merphos	ND	0.0062	1.25	
Bolstar	ND	0.0062	1.25		Methyl Parathion	ND	0.0062	1.25	
Chlorpyrifos	ND	0.0062	1.25		Mevinphos	ND	0.0062	1.25	
Coumaphos	ND	0.0062	1.25		Naled	ND	0.050	1.25	
Diazinon	ND	0.0062	1.25		Phorate	ND	0.0062	1.25	
Dichlorvos	ND	0.0062	1.25		Ronnel	ND	0.0062	1.25	
Disulfoton	ND	0.012	1.25		Stirophos	ND	0.025	1.25	
Ethoprop	ND	0.0062	1.25		Tokuthion	ND	0.0062	1.25	
Fensulfothion	ND	0.0062	1.25		Trichloronate	ND	0.0062	1.25	
Fenthion	ND	0.0062	1.25		Demeton-o/s	ND	0.0062	1.25	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	98	30-130	

B-24	**12-03-1821-10-D**	**03/27/12 09:00**	**Aqueous**	**GC 35**	**03/28/12**	**03/29/12 19:49**	**120328L05**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0056	1.11		Merphos	ND	0.0056	1.11	
Bolstar	ND	0.0056	1.11		Methyl Parathion	ND	0.0056	1.11	
Chlorpyrifos	ND	0.0056	1.11		Mevinphos	ND	0.0056	1.11	
Coumaphos	ND	0.0056	1.11		Naled	ND	0.044	1.11	
Diazinon	ND	0.0056	1.11		Phorate	ND	0.0056	1.11	
Dichlorvos	ND	0.0056	1.11		Ronnel	ND	0.0056	1.11	
Disulfoton	ND	0.011	1.11		Stirophos	ND	0.022	1.11	
Ethoprop	ND	0.0056	1.11		Tokuthion	ND	0.0056	1.11	
Fensulfothion	ND	0.0056	1.11		Trichloronate	ND	0.0056	1.11	
Fenthion	ND	0.0056	1.11		Demeton-o/s	ND	0.0056	1.11	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	92	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8141B
		Units:	mg/L
Project: Rincon Mushroom Farm			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-957-119**	**N/A**	**Aqueous**	**GC 35**	**03/28/12**	**03/29/12 18:17**	**120328L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0050	1		Merphos	ND	0.0050	1	
Bolstar	ND	0.0050	1		Methyl Parathion	ND	0.0050	1	
Chlorpyrifos	ND	0.0050	1		Mevinphos	ND	0.0050	1	
Coumaphos	ND	0.0050	1		Naled	ND	0.040	1	
Diazinon	ND	0.0050	1		Phorate	ND	0.0050	1	
Dichlorvos	ND	0.0050	1		Ronnel	ND	0.0050	1	
Disulfoton	ND	0.010	1		Stirophos	ND	0.020	1	
Ethoprop	ND	0.0050	1		Tokuthion	ND	0.0050	1	
Fensulfothion	ND	0.0050	1		Trichloronate	ND	0.0050	1	
Fenthion	ND	0.0050	1		Demeton-o/s	ND	0.0050	1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	89	30-130	

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8141B
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-24@9'	**12-03-1821-3-B**	**03/27/12 08:20**	**Solid**	**GC 35**	**03/30/12**	**03/30/12 18:13**	**120330L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Demeton-o/s	ND	0.50	1		Fenthion	ND	0.50	1	
Azinphos Methyl	ND	0.50	1		Merphos	ND	0.50	1	
Bolstar	ND	0.50	1		Methyl Parathion	ND	0.50	1	
Chlorpyrifos	ND	0.50	1		Mevinphos	ND	0.50	1	
Coumaphos	ND	0.50	1		Naled	ND	4.0	1	
Diazinon	ND	0.50	1		Phorate	ND	0.50	1	
Dichlorvos	ND	0.50	1		Ronnel	ND	0.50	1	
Disulfoton	ND	0.50	1		Stirophos	ND	2.0	1	
Ethoprop	ND	0.50	1		Tokuthion	ND	0.50	1	
Fensulfothion	ND	0.50	1		Trichloronate	ND	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	127	30-130	

B-22@9'	**12-03-1821-4-B**	**03/27/12 10:20**	**Solid**	**GC 35**	**03/30/12**	**03/30/12 18:58**	**120330L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Demeton-o/s	ND	0.50	1		Fenthion	ND	0.50	1	
Azinphos Methyl	ND	0.50	1		Merphos	ND	0.50	1	
Bolstar	ND	0.50	1		Methyl Parathion	ND	0.50	1	
Chlorpyrifos	ND	0.50	1		Mevinphos	ND	0.50	1	
Coumaphos	ND	0.50	1		Naled	ND	4.0	1	
Diazinon	ND	0.50	1		Phorate	ND	0.50	1	
Dichlorvos	ND	0.50	1		Ronnel	ND	0.50	1	
Disulfoton	ND	0.50	1		Stirophos	ND	2.0	1	
Ethoprop	ND	0.50	1		Tokuthion	ND	0.50	1	
Fensulfothion	ND	0.50	1		Trichloronate	ND	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	110	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8141B
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-465-111**	**N/A**	**Solid**	**GC 35**	**03/30/12**	**03/30/12 15:55**	**120330L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Demeton-o/s	ND	0.50	1		Fenthion	ND	0.50	1	
Azinphos Methyl	ND	0.50	1		Merphos	ND	0.50	1	
Bolstar	ND	0.50	1		Methyl Parathion	ND	0.50	1	
Chlorpyrifos	ND	0.50	1		Mevinphos	ND	0.50	1	
Coumaphos	ND	0.50	1		Naled	ND	4.0	1	
Diazinon	ND	0.50	1		Phorate	ND	0.50	1	
Dichlorvos	ND	0.50	1		Ronnel	ND	0.50	1	
Disulfoton	ND	0.50	1		Stirophos	ND	2.0	1	
Ethoprop	ND	0.50	1		Tokuthion	ND	0.50	1	
Fensulfothion	ND	0.50	1		Trichloronate	ND	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	106	30-130	

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: Rincon Mushroom Farm			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-24@9'	**12-03-1821-3-B**	**03/27/12 08:20**	**Solid**	**GC 40**	**03/30/12**	**04/02/12 17:43**	**120330L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	46	30-130	

B-22@9'	**12-03-1821-4-B**	**03/27/12 10:20**	**Solid**	**GC 40**	**03/30/12**	**04/02/12 18:16**	**120330L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	45	30-130	

Method Blank	**095-01-033-993**	**N/A**	**Solid**	**GC 40**	**03/30/12**	**04/03/12 19:34**	**120330L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	60	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

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Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/L

Project: Rincon Mushroom Farm

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-22	**12-03-1821-9-C**	**03/27/12 10:55**	**Aqueous**	**GC 40**	**03/28/12**	**03/29/12 18:17**	**120328L04**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	14	1.11		2,4-D	ND	5.6	1.11	
Dicamba	ND	0.56	1.11		2,4,5-TP (Silvex)	ND	0.56	1.11	
MCPP	ND	560	1.11		2,4,5-T	ND	0.56	1.11	
MCPA	ND	560	1.11		2,4-DB	ND	5.6	1.11	
Dichlorprop	ND	5.6	1.11		Dinoseb	ND	2.8	1.11	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	71	0-123	

B-24	**12-03-1821-10-C**	**03/27/12 09:00**	**Aqueous**	**GC 40**	**03/28/12**	**03/29/12 18:50**	**120328L04**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	15	1.18		2,4-D	ND	5.9	1.18	
Dicamba	ND	0.59	1.18		2,4,5-TP (Silvex)	ND	0.59	1.18	
MCPP	ND	590	1.18		2,4,5-T	ND	0.59	1.18	
MCPA	ND	590	1.18		2,4-DB	ND	5.9	1.18	
Dichlorprop	ND	5.9	1.18		Dinoseb	ND	2.9	1.18	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	85	0-123	

Method Blank	**095-01-034-536**	**N/A**	**Aqueous**	**GC 40**	**03/28/12**	**03/29/12 13:25**	**120328L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	13	1		2,4-D	ND	5.0	1	
Dicamba	ND	0.50	1		2,4,5-TP (Silvex)	ND	0.50	1	
MCPP	ND	500	1		2,4,5-T	ND	0.50	1	
MCPA	ND	500	1		2,4-DB	ND	5.0	1	
Dichlorprop	ND	5.0	1		Dinoseb	ND	2.5	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	64	0-123	

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-22	**12-03-1821-9-F**	**03/27/12 10:55**	**Aqueous**	**GC/MS CCC**	**03/28/12**	**04/02/12 12:46**	**120328L07**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	11	1.11		2,4-Dimethylphenol	ND	11	1.11	
Acenaphthylene	ND	11	1.11		4,6-Dinitro-2-Methylphenol	ND	56	1.11	
Aniline	ND	11	1.11		2,4-Dinitrophenol	ND	56	1.11	
Anthracene	ND	11	1.11		2,4-Dinitrotoluene	ND	11	1.11	
Azobenzene	ND	11	1.11		2,6-Dinitrotoluene	ND	11	1.11	
Benzidine	ND	56	1.11		Fluoranthene	ND	11	1.11	
Benzo (a) Anthracene	ND	11	1.11		Fluorene	ND	11	1.11	
Benzo (a) Pyrene	ND	11	1.11		Hexachloro-1,3-Butadiene	ND	11	1.11	
Benzo (b) Fluoranthene	ND	11	1.11		Hexachlorobenzene	ND	11	1.11	
Benzo (g,h,i) Perylene	ND	11	1.11		Hexachlorocyclopentadiene	ND	28	1.11	
Benzo (k) Fluoranthene	ND	11	1.11		Hexachloroethane	ND	11	1.11	
Benzoic Acid	ND	56	1.11		Indeno (1,2,3-c,d) Pyrene	ND	11	1.11	
Benzyl Alcohol	ND	11	1.11		Isophorone	ND	11	1.11	
Bis(2-Chloroethoxy) Methane	ND	11	1.11		2-Methylnaphthalene	ND	11	1.11	
Bis(2-Chloroethyl) Ether	ND	28	1.11		1-Methylnaphthalene	ND	11	1.11	
Bis(2-Chloroisopropyl) Ether	ND	11	1.11		2-Methylphenol	ND	11	1.11	
Bis(2-Ethylhexyl) Phthalate	ND	11	1.11		3/4-Methylphenol	ND	11	1.11	
4-Bromophenyl-Phenyl Ether	ND	11	1.11		N-Nitroso-di-n-propylamine	ND	11	1.11	
Butyl Benzyl Phthalate	ND	11	1.11		N-Nitrosodimethylamine	ND	11	1.11	
4-Chloro-3-Methylphenol	ND	11	1.11		N-Nitrosodiphenylamine	ND	11	1.11	
4-Chloroaniline	ND	11	1.11		Naphthalene	ND	11	1.11	
2-Chloronaphthalene	ND	11	1.11		4-Nitroaniline	ND	11	1.11	
2-Chlorophenol	ND	11	1.11		3-Nitroaniline	ND	11	1.11	
4-Chlorophenyl-Phenyl Ether	ND	11	1.11		2-Nitroaniline	ND	11	1.11	
Chrysene	ND	11	1.11		Nitrobenzene	ND	28	1.11	
Di-n-Butyl Phthalate	ND	11	1.11		4-Nitrophenol	ND	11	1.11	
Di-n-Octyl Phthalate	ND	11	1.11		2-Nitrophenol	ND	11	1.11	
Dibenz (a,h) Anthracene	ND	11	1.11		Pentachlorophenol	ND	11	1.11	
Dibenzofuran	ND	11	1.11		Phenanthrene	ND	11	1.11	
1,2-Dichlorobenzene	ND	11	1.11		Phenol	ND	11	1.11	
1,3-Dichlorobenzene	ND	11	1.11		Pyrene	ND	11	1.11	
1,4-Dichlorobenzene	ND	11	1.11		Pyridine	ND	11	1.11	
3,3'-Dichlorobenzidine	ND	28	1.11		1,2,4-Trichlorobenzene	ND	11	1.11	
2,4-Dichlorophenol	ND	11	1.11		2,4,6-Trichlorophenol	ND	11	1.11	
Diethyl Phthalate	ND	11	1.11		2,4,5-Trichlorophenol	ND	11	1.11	
Dimethyl Phthalate	ND	11	1.11						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	83	42-138		2-Fluorophenol	74	7-121	
Nitrobenzene-d5	100	50-146		p-Terphenyl-d14	109	47-173	
Phenol-d6	51	1-127		2,4,6-Tribromophenol	104	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-24	**12-03-1821-10-F**	**03/27/12 09:00**	**Aqueous**	**GC/MS CCC**	**03/28/12**	**04/02/12 13:13**	**120328L07**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	11	1.11		2,4-Dimethylphenol	ND	11	1.11	
Acenaphthylene	ND	11	1.11		4,6-Dinitro-2-Methylphenol	ND	56	1.11	
Aniline	ND	11	1.11		2,4-Dinitrophenol	ND	56	1.11	
Anthracene	ND	11	1.11		2,4-Dinitrotoluene	ND	11	1.11	
Azobenzene	ND	11	1.11		2,6-Dinitrotoluene	ND	11	1.11	
Benzidine	ND	56	1.11		Fluoranthene	ND	11	1.11	
Benzo (a) Anthracene	ND	11	1.11		Fluorene	ND	11	1.11	
Benzo (a) Pyrene	ND	11	1.11		Hexachloro-1,3-Butadiene	ND	11	1.11	
Benzo (b) Fluoranthene	ND	11	1.11		Hexachlorobenzene	ND	11	1.11	
Benzo (g,h,i) Perylene	ND	11	1.11		Hexachlorocyclopentadiene	ND	28	1.11	
Benzo (k) Fluoranthene	ND	11	1.11		Hexachloroethane	ND	11	1.11	
Benzoic Acid	ND	56	1.11		Indeno (1,2,3-c,d) Pyrene	ND	11	1.11	
Benzyl Alcohol	ND	11	1.11		Isophorone	ND	11	1.11	
Bis(2-Chloroethoxy) Methane	ND	11	1.11		2-Methylnaphthalene	ND	11	1.11	
Bis(2-Chloroethyl) Ether	ND	28	1.11		1-Methylnaphthalene	ND	11	1.11	
Bis(2-Chloroisopropyl) Ether	ND	11	1.11		2-Methylphenol	ND	11	1.11	
Bis(2-Ethylhexyl) Phthalate	ND	11	1.11		3/4-Methylphenol	ND	11	1.11	
4-Bromophenyl-Phenyl Ether	ND	11	1.11		N-Nitroso-di-n-propylamine	ND	11	1.11	
Butyl Benzyl Phthalate	ND	11	1.11		N-Nitrosodimethylamine	ND	11	1.11	
4-Chloro-3-Methylphenol	ND	11	1.11		N-Nitrosodiphenylamine	ND	11	1.11	
4-Chloroaniline	ND	11	1.11		Naphthalene	ND	11	1.11	
2-Chloronaphthalene	ND	11	1.11		4-Nitroaniline	ND	11	1.11	
2-Chlorophenol	ND	11	1.11		3-Nitroaniline	ND	11	1.11	
4-Chlorophenyl-Phenyl Ether	ND	11	1.11		2-Nitroaniline	ND	11	1.11	
Chrysene	ND	11	1.11		Nitrobenzene	ND	28	1.11	
Di-n-Butyl Phthalate	ND	11	1.11		4-Nitrophenol	ND	11	1.11	
Di-n-Octyl Phthalate	ND	11	1.11		2-Nitrophenol	ND	11	1.11	
Dibenz (a,h) Anthracene	ND	11	1.11		Pentachlorophenol	ND	11	1.11	
Dibenzofuran	ND	11	1.11		Phenanthrene	ND	11	1.11	
1,2-Dichlorobenzene	ND	11	1.11		Phenol	ND	11	1.11	
1,3-Dichlorobenzene	ND	11	1.11		Pyrene	ND	11	1.11	
1,4-Dichlorobenzene	ND	11	1.11		Pyridine	ND	11	1.11	
3,3'-Dichlorobenzidine	ND	28	1.11		1,2,4-Trichlorobenzene	ND	11	1.11	
2,4-Dichlorophenol	ND	11	1.11		2,4,6-Trichlorophenol	ND	11	1.11	
Diethyl Phthalate	ND	11	1.11		2,4,5-Trichlorophenol	ND	11	1.11	
Dimethyl Phthalate	ND	11	1.11						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	82	42-138		2-Fluorophenol	74	7-121	
Nitrobenzene-d5	97	50-146		p-Terphenyl-d14	100	47-173	
Phenol-d6	51	1-127		2,4,6-Tribromophenol	101	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-003-3,349**	**N/A**	**Aqueous**	**GC/MS CCC**	**03/28/12**	**04/02/12 11:53**	**120328L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	65	42-138		2-Fluorophenol	56	7-121	
Nitrobenzene-d5	82	50-146		p-Terphenyl-d14	92	47-173	
Phenol-d6	36	1-127		2,4,6-Tribromophenol	82	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-24@9'	**12-03-1821-3-B**	**03/27/12 08:20**	**Solid**	**GC/MS CCC**	**03/30/12**	**04/02/12 21:11**	**120330L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.50	1		2,4-Dimethylphenol	ND	0.50	1	
Acenaphthylene	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
Aniline	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Anthracene	ND	0.50	1		2,4-Dinitrotoluene	ND	0.50	1	
Azobenzene	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
Benzidine	ND	10	1		Fluoranthene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1		Fluorene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1		Hexachlorobenzene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1		Hexachlorocyclopentadiene	ND	2.5	1	
Benzo (k) Fluoranthene	ND	0.50	1		Hexachloroethane	ND	0.50	1	
Benzoic Acid	ND	2.5	1		Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Isophorone	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		2-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		1-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		2-Methylphenol	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1		3/4-Methylphenol	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1		N-Nitroso-di-n-propylamine	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1		N-Nitrosodimethylamine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Naphthalene	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		3-Nitroaniline	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1		2-Nitroaniline	ND	0.50	1	
Chrysene	ND	0.50	1		Nitrobenzene	ND	2.5	1	
Di-n-Butyl Phthalate	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1		2-Nitrophenol	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
Dibenzofuran	ND	0.50	1		Phenanthrene	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		Phenol	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Pyrene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		Pyridine	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1		1,2,4-Trichlorobenzene	ND	0.50	1	
2,4-Dichlorophenol	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1		2,4,5-Trichlorophenol	ND	0.50	1	
Dimethyl Phthalate	ND	0.50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	78	38-134		2-Fluorophenol	83	42-120	
Nitrobenzene-d5	83	42-150		p-Terphenyl-d14	86	35-167	
Phenol-d6	82	46-118		2,4,6-Tribromophenol	75	36-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-22@9'	**12-03-1821-4-B**	**03/27/12 10:20**	**Solid**	**GC/MS CCC**	**03/30/12**	**04/02/12 21:38**	**120330L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.50	1		2,4-Dimethylphenol	ND	0.50	1	
Acenaphthylene	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
Aniline	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Anthracene	ND	0.50	1		2,4-Dinitrotoluene	ND	0.50	1	
Azobenzene	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
Benzidine	ND	10	1		Fluoranthene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1		Fluorene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1		Hexachlorobenzene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1		Hexachlorocyclopentadiene	ND	2.5	1	
Benzo (k) Fluoranthene	ND	0.50	1		Hexachloroethane	ND	0.50	1	
Benzoic Acid	ND	2.5	1		Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Isophorone	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		2-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		1-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		2-Methylphenol	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1		3/4-Methylphenol	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1		N-Nitroso-di-n-propylamine	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1		N-Nitrosodimethylamine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Naphthalene	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		3-Nitroaniline	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1		2-Nitroaniline	ND	0.50	1	
Chrysene	ND	0.50	1		Nitrobenzene	ND	2.5	1	
Di-n-Butyl Phthalate	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1		2-Nitrophenol	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
Dibenzofuran	ND	0.50	1		Phenanthrene	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		Phenol	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Pyrene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		Pyridine	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1		1,2,4-Trichlorobenzene	ND	0.50	1	
2,4-Dichlorophenol	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1		2,4,5-Trichlorophenol	ND	0.50	1	
Dimethyl Phthalate	ND	0.50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	84	38-134		2-Fluorophenol	88	42-120	
Nitrobenzene-d5	87	42-150		p-Terphenyl-d14	102	35-167	
Phenol-d6	90	46-118		2,4,6-Tribromophenol	86	36-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-549-2,161**	**N/A**	**Solid**	**GC/MS CCC**	**03/30/12**	**04/03/12 10:48**	**120330L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.50	1		2,4-Dimethylphenol	ND	0.50	1	
Acenaphthylene	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
Aniline	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Anthracene	ND	0.50	1		2,4-Dinitrotoluene	ND	0.50	1	
Azobenzene	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
Benzidine	ND	10	1		Fluoranthene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1		Fluorene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1		Hexachlorobenzene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1		Hexachlorocyclopentadiene	ND	2.5	1	
Benzo (k) Fluoranthene	ND	0.50	1		Hexachloroethane	ND	0.50	1	
Benzoic Acid	ND	2.5	1		Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Isophorone	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		2-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		1-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		2-Methylphenol	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1		3/4-Methylphenol	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1		N-Nitroso-di-n-propylamine	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1		N-Nitrosodimethylamine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Naphthalene	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		3-Nitroaniline	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1		2-Nitroaniline	ND	0.50	1	
Chrysene	ND	0.50	1		Nitrobenzene	ND	2.5	1	
Di-n-Butyl Phthalate	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1		2-Nitrophenol	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
Dibenzofuran	ND	0.50	1		Phenanthrene	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		Phenol	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Pyrene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		Pyridine	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1		1,2,4-Trichlorobenzene	ND	0.50	1	
2,4-Dichlorophenol	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1		2,4,5-Trichlorophenol	ND	0.50	1	
Dimethyl Phthalate	ND	0.50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	86	38-134		2-Fluorophenol	90	42-120	
Nitrobenzene-d5	84	42-150		p-Terphenyl-d14	108	35-167	
Phenol-d6	96	46-118		2,4,6-Tribromophenol	83	36-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Rincon Mushroom Farm			Page 1 of 1

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-22	**12-03-1821-9-G**	**03/27/12 10:55**	**Aqueous**	**ICP 5300**	**03/27/12**	**03/28/12 12:51**	**120327LA3**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Calcium	123	0.100	1		Potassium	129	0.500	1	
Magnesium	148	0.100	1		Sodium	52.9	0.500	1	

B-24	**12-03-1821-10-G**	**03/27/12 09:00**	**Aqueous**	**ICP 5300**	**03/27/12**	**03/28/12 12:52**	**120327LA3**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Calcium	162	0.100	1		Potassium	193	0.500	1	
Magnesium	228	0.100	1		Sodium	52.1	0.500	1	

Method Blank	**097-01-003-12,495**	**N/A**	**Aqueous**	**ICP 5300**	**03/27/12**	**03/28/12 11:26**	**120327LA3**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Calcium	ND	0.100	1		Potassium	ND	0.500	1	
Magnesium	ND	0.100	1		Sodium	ND	0.500	1	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/27/12
Work Order No: 12-03-1821

Project: Rincon Mushroom Farm

Client Sample Number	Lab Sample Number	Date Collected	Matrix
B-22	**12-03-1821-9**	**03/27/12**	**Aqueous**

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	27	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Nitrate (as N)	0.14	0.10	1		mg/L	N/A	03/27/12	EPA 300.0
Sulfate	36	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Bicarbonate (as CaCO3)	162	5.00	1		mg/L	N/A	03/29/12	SM 2320B
Alkalinity, Total (as CaCO3)	162	5.00	1		mg/L	N/A	03/29/12	SM 2320B
Solids, Total Dissolved	310	1.00	1		mg/L	03/28/12	03/28/12	SM 2540 C

B-24	**12-03-1821-10**	**03/27/12**	**Aqueous**

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	31	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Nitrate (as N)	0.26	0.10	1		mg/L	N/A	03/27/12	EPA 300.0
Sulfate	34	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Bicarbonate (as CaCO3)	161	5.00	1		mg/L	N/A	03/29/12	SM 2320B
Alkalinity, Total (as CaCO3)	161	5.00	1		mg/L	N/A	03/29/12	SM 2320B
Solids, Total Dissolved	310	1.00	1		mg/L	03/28/12	03/28/12	SM 2540 C

Method Blank		**N/A**	**Aqueous**

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	ND	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	03/27/12	EPA 300.0
Sulfate	ND	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Bicarbonate (as CaCO3)	ND	1.0	1		mg/L	N/A	03/29/12	SM 2320B
Alkalinity, Total (as CaCO3)	ND	1.0	1		mg/L	N/A	03/29/12	SM 2320B
Solids, Total Dissolved	ND	1.0	1		mg/L	03/28/12	03/28/12	SM 2540 C

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-03-1773-2	**Aqueous**	**ICP 5300**	**03/27/12**	**03/28/12**	**120327SA3**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Calcium	0.5000	4X	4X	77-113	4X	0-11	Q
Magnesium	0.5000	4X	4X	56-140	4X	0-11	Q
Potassium	5.000	108	110	83-131	1	0-7	
Sodium	5.000	4X	4X	73-127	4X	0-9	Q

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

Kiff Analytical		Date Received	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
12-03-1773-2	**Aqueous**	**ICP 5300**	**03/27/12**	**03/28/12**	**120327SA3**

Parameter	SPIKE ADDED	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Calcium	0.5000	4X	4X	75-125	4X	0-11	Q
Magnesium	0.5000	4X	4X	75-125	4X	0-11	Q
Potassium	5.000	105	105	75-125	0	0-7	
Sodium	5.000	4X	4X	75-125	4X	0-9	Q

RPD - Relative Percent Difference , CL - Control Limit

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received:	03/27/12
Work Order No:	12-03-1821
Preparation:	EPA 8151A
Method:	EPA 8151A

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-03-1886-4	**Solid**	**GC 40**	**03/30/12**	**04/03/12**	**120330S08**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	400.0	74	86	30-130	15	0-30	
2,4,5-T	40.00	66	80	30-130	19	0-30	
2,4-DB	400.0	73	89	30-130	20	0-30	

RPD - Relative Percent Difference , CL - Control Limit

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8081A

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-03-1821-7	**Solid**	**GC 44**	**03/30/12**	**04/03/12**	**120330S05**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	25.00	89	93	50-135	4	0-25	
Alpha-BHC	25.00	91	94	50-135	3	0-25	
Beta-BHC	25.00	93	98	50-135	6	0-25	
4,4'-DDD	25.00	94	98	50-135	4	0-25	
4,4'-DDE	25.00	93	97	50-135	4	0-25	
4,4'-DDT	25.00	98	102	50-135	4	0-25	
Delta-BHC	25.00	89	93	50-135	4	0-25	
Dieldrin	25.00	92	96	50-135	4	0-25	
Endosulfan I	25.00	95	99	50-135	4	0-25	
Endosulfan II	25.00	94	98	50-135	4	0-25	
Endosulfan Sulfate	25.00	90	95	50-135	5	0-25	
Endrin	25.00	95	98	50-135	4	0-25	
Endrin Aldehyde	25.00	89	93	50-135	5	0-25	
Gamma-BHC	25.00	91	93	50-135	3	0-25	
Heptachlor	25.00	90	92	50-135	3	0-25	
Heptachlor Epoxide	25.00	88	92	50-135	4	0-25	
Methoxychlor	25.00	95	100	50-135	5	0-25	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/27/12
Work Order No: 12-03-1821
Preparation: EPA 3545
Method: EPA 8270C

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-24@9'	**Solid**	**GC/MS CCC**	**03/30/12**	**04/02/12**	**120330S04**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Acenaphthene	10.00	87	97	49-133	11	0-18	
Acenaphthylene	10.00	87	97	50-150	11	0-20	
Butyl Benzyl Phthalate	10.00	91	99	50-150	9	0-20	
4-Chloro-3-Methylphenol	10.00	92	104	50-128	12	0-17	
2-Chlorophenol	10.00	92	98	57-111	6	0-17	
1,4-Dichlorobenzene	10.00	80	87	49-127	8	0-20	
Dimethyl Phthalate	10.00	86	96	50-150	11	0-20	
2,4-Dinitrotoluene	10.00	85	94	50-128	11	0-18	
Fluorene	10.00	85	95	50-150	10	0-20	
N-Nitroso-di-n-propylamine	10.00	101	110	54-144	8	0-17	
Naphthalene	10.00	87	95	50-150	9	0-20	
4-Nitrophenol	10.00	79	93	30-144	16	0-21	
Pentachlorophenol	10.00	73	83	29-113	13	0-22	
Phenol	10.00	92	99	57-123	8	0-16	
Pyrene	10.00	89	99	47-149	11	0-20	
1,2,4-Trichlorobenzene	10.00	81	89	42-132	9	0-20	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8141B

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-03-1886-3	**Solid**	**GC 35**	**03/30/12**	**03/30/12**	**120330S06**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	4.000	91	92	30-130	1	0-30	
Bolstar	4.000	96	97	30-130	1	0-30	
Chlorpyrifos	4.000	86	88	30-130	2	0-30	
Coumaphos	4.000	94	96	30-130	2	0-30	
Diazinon	4.000	89	93	30-130	4	0-30	
Disulfoton	4.000	95	97	30-130	2	0-30	
Ethoprop	4.000	94	99	30-130	4	0-30	
Fensulfothion	4.000	94	96	30-130	2	0-30	
Fenthion	4.000	92	93	30-130	1	0-30	
Merphos	4.000	88	89	30-130	2	0-30	
Methyl Parathion	4.000	88	90	30-130	3	0-30	
Phorate	4.000	100	102	30-130	3	0-30	
Ronnel	4.000	85	88	30-130	3	0-30	
Stirophos	4.000	78	80	30-130	3	0-30	
Tokuthion	4.000	87	88	30-130	2	0-30	
Trichloronate	4.000	85	88	30-130	3	0-30	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 12-03-1821

Project: Rincon Mushroom Farm

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chloride	EPA 300.0	12-03-1773-4	03/27/12	N/A	95	95	80-120	1	0-20	
Nitrate (as N)	EPA 300.0	12-03-1773-4	03/27/12	N/A	95	94	80-120	0	0-20	
Sulfate	EPA 300.0	12-03-1773-4	03/27/12	N/A	96	96	80-120	0	0-20	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 12-03-1821

Project: Rincon Mushroom Farm

Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	SM 2320B	B-22	03/29/12	162	162	0	0-25	
Bicarbonate (as CaCO3)	SM 2320B	B-22	03/29/12	162	162	0	0-25	
Carbonate (as CaCO3)	SM 2320B	B-22	03/29/12	ND	ND	NA	0-25	
Hydroxide (as CaCO3)	SM 2320B	B-22	03/29/12	ND	ND	NA	0-25	
Solids, Total Dissolved	SM 2540 C	12-03-1830-3	03/28/12	765	785	3	0-10	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-12,495	**Aqueous**	**ICP 5300**	**03/27/12**	**03/28/12**	**120327LA3**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Calcium	0.5000	102	106	80-120	4	0-20	
Magnesium	0.5000	100	100	80-120	0	0-20	
Potassium	5.000	102	102	80-120	0	0-20	
Sodium	5.000	105	105	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 . TEL:(714) 895-5494 . FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-033-993	**Solid**	**GC 40**	**03/30/12**	**04/03/12**	**120330L08**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	400.0	59	58	30-130	2	0-30	
2,4,5-T	40.00	65	65	30-130	0	0-30	
2,4-DB	400.0	107	89	30-130	18	0-30	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-034-536	**Aqueous**	**GC 40**	**03/28/12**	**03/29/12**	**120328L04**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	20.00	68	71	30-130	5	0-30	
2,4,5-T	2.000	61	64	30-130	6	0-30	
2,4-DB	20.00	65	70	30-130	8	0-30	

RPD - Relative Percent Difference , CL - Control Limit

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8270C

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-3,349	**Aqueous**	**GC/MS CCC**	**03/28/12**	**04/02/12**	**120328L07**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Acenaphthene	200.0	85	84	55-139	41-153	1	0-17	
Acenaphthylene	200.0	82	81	33-145	14-164	1	0-20	
Butyl Benzyl Phthalate	200.0	92	90	0-152	0-177	1	0-20	
4-Chloro-3-Methylphenol	200.0	84	85	55-121	44-132	1	0-18	
2-Chlorophenol	200.0	85	84	53-113	43-123	1	0-17	
1,4-Dichlorobenzene	200.0	67	66	50-122	38-134	2	0-19	
Dimethyl Phthalate	200.0	87	87	0-112	0-131	1	0-20	
2,4-Dinitrotoluene	200.0	84	85	41-161	21-181	1	0-22	
Fluorene	200.0	84	84	59-121	49-131	0	0-20	
N-Nitroso-di-n-propylamine	200.0	85	83	56-146	41-161	2	0-22	
Naphthalene	200.0	81	80	21-133	2-152	1	0-20	
4-Nitrophenol	200.0	45	44	1-145	0-169	1	0-29	
Pentachlorophenol	200.0	73	72	34-130	18-146	1	0-23	
Phenol	200.0	43	43	4-142	0-165	1	0-24	
Pyrene	200.0	92	90	38-170	16-192	2	0-27	
1,2,4-Trichlorobenzene	200.0	74	74	49-121	37-133	0	0-19	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8081A

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-537-1,165	**Solid**	**GC 44**	**03/30/12**	**04/03/12**	**120330L05**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Aldrin	25.00	90	87	50-135	36-149	4	0-25	
Alpha-BHC	25.00	98	97	50-135	36-149	0	0-25	
Beta-BHC	25.00	101	101	50-135	36-149	0	0-25	
4,4'-DDD	25.00	102	104	50-135	36-149	1	0-25	
4,4'-DDE	25.00	105	105	50-135	36-149	0	0-25	
4,4'-DDT	25.00	108	108	50-135	36-149	0	0-25	
Delta-BHC	25.00	99	99	50-135	36-149	0	0-25	
Dieldrin	25.00	103	103	50-135	36-149	1	0-25	
Endosulfan I	25.00	100	100	50-135	36-149	1	0-25	
Endosulfan II	25.00	104	105	50-135	36-149	1	0-25	
Endosulfan Sulfate	25.00	101	102	50-135	36-149	0	0-25	
Endrin	25.00	107	107	50-135	36-149	0	0-25	
Endrin Aldehyde	25.00	99	99	50-135	36-149	0	0-25	
Gamma-BHC	25.00	100	100	50-135	36-149	0	0-25	
Heptachlor	25.00	98	98	50-135	36-149	0	0-25	
Heptachlor Epoxide	25.00	97	97	50-135	36-149	0	0-25	
Methoxychlor	25.00	107	106	50-135	36-149	1	0-25	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8081A

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-529-522	**Aqueous**	**GC 51**	**03/28/12**	**03/30/12**	**120328L06**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	97	108	50-135	36-149	11	0-25	
Gamma-BHC	0.5000	99	111	50-135	36-149	11	0-25	
Beta-BHC	0.5000	90	99	50-135	36-149	10	0-25	
Heptachlor	0.5000	91	96	50-135	36-149	5	0-25	
Delta-BHC	0.5000	95	106	50-135	36-149	11	0-25	
Aldrin	0.5000	83	88	50-135	36-149	6	0-25	
Heptachlor Epoxide	0.5000	91	102	50-135	36-149	12	0-25	
Endosulfan I	0.5000	91	103	50-135	36-149	12	0-25	
Dieldrin	0.5000	93	104	50-135	36-149	12	0-25	
4,4'-DDE	0.5000	94	105	50-135	36-149	12	0-25	
Endrin	0.5000	106	120	50-135	36-149	13	0-25	
Endrin Aldehyde	0.5000	84	96	50-135	36-149	14	0-25	
4,4'-DDD	0.5000	93	104	50-135	36-149	12	0-25	
Endosulfan II	0.5000	89	100	50-135	36-149	11	0-25	
4,4'-DDT	0.5000	89	100	50-135	36-149	12	0-25	
Endosulfan Sulfate	0.5000	91	102	50-135	36-149	12	0-25	
Methoxychlor	0.5000	89	101	50-135	36-149	12	0-25	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-549-2,161	**Solid**	**GC/MS CCC**	**03/30/12**	**04/02/12**	**120330L04**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Acenaphthene	10.00	101	93	59-125	48-136	8	0-15	
Acenaphthylene	10.00	102	94	33-145	14-164	8	0-20	
Butyl Benzyl Phthalate	10.00	107	97	0-152	0-177	10	0-20	
4-Chloro-3-Methylphenol	10.00	106	98	61-121	51-131	7	0-14	
2-Chlorophenol	10.00	100	93	60-114	51-123	8	0-15	
1,4-Dichlorobenzene	10.00	92	86	61-121	51-131	7	0-21	
Dimethyl Phthalate	10.00	102	93	0-112	0-131	9	0-20	
2,4-Dinitrotoluene	10.00	99	90	51-141	36-156	10	0-16	
Fluorene	10.00	99	91	59-121	49-131	8	0-20	
N-Nitroso-di-n-propylamine	10.00	114	108	64-136	52-148	5	0-15	
Naphthalene	10.00	97	91	21-133	2-152	6	0-20	
4-Nitrophenol	10.00	92	81	38-152	19-171	13	0-31	
Pentachlorophenol	10.00	71	61	38-116	25-129	15	0-20	
Phenol	10.00	99	95	59-125	48-136	4	0-15	
Pyrene	10.00	108	99	51-141	36-156	9	0-14	
1,2,4-Trichlorobenzene	10.00	91	86	58-118	48-128	5	0-18	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8141B

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-957-119	**Aqueous**	**GC 35**	**03/28/12**	**03/29/12**	**120328L05**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	0.04000	83	82	30-130	13-147	1	0-30	
Bolstar	0.04000	84	77	30-130	13-147	8	0-30	
Chlorpyrifos	0.04000	79	73	30-130	13-147	9	0-30	
Coumaphos	0.04000	84	83	30-130	13-147	2	0-30	
Diazinon	0.04000	83	78	30-130	13-147	7	0-30	
Disulfoton	0.04000	82	77	30-130	13-147	6	0-30	
Ethoprop	0.04000	85	80	30-130	13-147	5	0-30	
Fensulfothion	0.04000	89	82	30-130	13-147	8	0-30	
Fenthion	0.04000	81	74	30-130	13-147	8	0-30	
Merphos	0.04000	81	75	30-130	13-147	7	0-30	
Methyl Parathion	0.04000	80	74	30-130	13-147	8	0-30	
Phorate	0.04000	86	81	30-130	13-147	6	0-30	
Ronnel	0.04000	78	71	30-130	13-147	9	0-30	
Stirophos	0.04000	76	69	30-130	13-147	10	0-30	
Tokuthion	0.04000	79	72	30-130	13-147	8	0-30	
Trichloronate	0.04000	78	72	30-130	13-147	8	0-30	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8141B

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-465-111	**Solid**	**GC 35**	**03/30/12**	**03/30/12**	**120330L06**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	4.000	96	92	30-130	13-147	4	0-30	
Bolstar	4.000	99	96	30-130	13-147	3	0-30	
Chlorpyrifos	4.000	94	86	30-130	13-147	10	0-30	
Coumaphos	4.000	98	93	30-130	13-147	5	0-30	
Diazinon	4.000	109	93	30-130	13-147	16	0-30	
Disulfoton	4.000	111	95	30-130	13-147	16	0-30	
Ethoprop	4.000	112	101	30-130	13-147	10	0-30	
Fensulfothion	4.000	102	100	30-130	13-147	2	0-30	
Fenthion	4.000	99	91	30-130	13-147	8	0-30	
Merphos	4.000	99	94	30-130	13-147	5	0-30	
Methyl Parathion	4.000	99	89	30-130	13-147	11	0-30	
Phorate	4.000	114	98	30-130	13-147	14	0-30	
Ronnel	4.000	94	85	30-130	13-147	11	0-30	
Stirophos	4.000	86	80	30-130	13-147	7	0-30	
Tokuthion	4.000	92	86	30-130	13-147	7	0-30	
Trichloronate	4.000	93	85	30-130	13-147	9	0-30	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 12-03-1821

Project: Rincon Mushroom Farm

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
Chloride	EPA 300.0	099-12-906-2,578	N/A	03/27/12	97	97	90-110	0	0-15	
Nitrate (as N)	EPA 300.0	099-12-906-2,578	N/A	03/27/12	95	96	90-110	1	0-15	
Sulfate	EPA 300.0	099-12-906-2,578	N/A	03/27/12	97	97	90-110	1	0-15	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-03-1821

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

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

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KIFF Analytical LLC

2795 Second Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4808

Calscience
7440 Lincoln Way
Garden Grove, CA 92841-1427
714-895-5494

COC No. **80795**

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11821

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Jennifer Worsley

EDF Report? NO

Company/Address: Kiff Analytical

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

Phone No.: 530-297-4800

FAX No.: 530-297-4808

Project Number:

P.O. No.: 80795

Deliverables to (Email Address): inbox@kiffanalytical.com

Project Name: Rincon Mushroom Farm

Project Address:

Analysis Request — Due Date: April 3, 2012

Sample Designation	Sampling Date	Sampling Time	1-L Amber None	8 Oz. Glass None	1-L Poly None	250ml Poly HNO3	125ml Poly Na2S2O	Sleeve None	Soil	Water	Anions by EPA 300.0 SUB (1)	Coliforms by SM9221 (1)	General Minerals	Herbicides by EPA 8151A	Hold Sub	Organochlorine Pesticides	Organophosphorus Pesticides	Semi-Volatile Organics by EPA 8270	April 3, 2012	For Lab Use Only
B-20@15'	03/26/12	13:00						1	x						x				x	
B-23@13'	03/26/12	17:05						1	x						x				x	
B-24@9'	03/27/12	08:20		1				1	X			X		X		X	X	X	X	3
B-22@9'	03/27/12	10:20		1				1	X			X		X		X	X	X	X	4
B-19@15'	03/26/12	15:24						1	x						x				x	
B-21@15'	03/26/12	10:40						1	x						x				x	
B-25@9'	03/27/12	12:10		1				1	X			X							X	7
B-25	03/27/12	13:25	4		2	1	1			x	x	x							x	
B-22	03/27/12	10:55	4		2	1	1			x		x	x	x		x	x	x	x	
B-24	03/27/12	09:00	4		2	1	1			x		x	x	x		x	x	x	x	

Relinquished by:	Date	Time	Received by:
Kiff Analytical	032912	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	3/30/12	0900	

Remarks: Please refer to attached Test Detail.General Minerals: total alkalinity, bicarbonate as CaCO3, chloride, Nitrate as N, Sulfate as SO4, TDS, Ca, Mg, K, and Na.

Bill to: Accounts Payable

Return to Contents

KIFF Analytical LLC

2795 Second Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4808

Calscience
7440 Lincoln Way
Garden Grove, CA 92841-1427
714-895-5494

12-03-1821

COC No. 80795 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Jennifer Worsley

EDF Report? NO

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

Deliverables to (Email Address): inbox@kiffanalytical.com

Company/Address: Kiff Analytical

Phone No.: 530-297-4800 FAX No.: 530-297-4808

Project Number: P.O. No.: 80795

Project Name: Rincon Mushroom Farm

Project Address:

Due Date: April 3, 2012

Sample Designation	Sampling Date	Sampling Time	1-L Amber None	1-L Poly None	250ml Poly HNO3	125ml Poly Na2S2O	Sleeve None	Soil	Water	Coliforms by SM9221 (1)	General Minerals	Herbicides by EPA 8151A	Hold Sub	Organochlorine Pesticides (EPA 8081A)	Organophosphorus Pesticides(EPA 8141A)	Semi-Volatile Organics by EPA 8270	For Lab Use Only
B-20@15'	03/26/12	13:00					1	X					X				1
B-23@13'	03/26/12	17:05					1	X					X				2
B-24@9'	03/27/12	08:20					1	X		X		X		X	X	X	3
B-22@9'	03/27/12	10:20					1	X		X		X		X	X	X	4
B-19@15'	03/26/12	15:24					1	X					X				5
B-21@15'	03/26/12	10:40					1	X					X				6
B-25@9'	03/27/12	12:10					1	X		X		X		X	X	X	7
B-25	03/27/12	13:25	4	2	1	1			X	X	X	X		X	X	X	8
B-22	03/27/12	10:55	4	2	1	1			X	X	X	X		X	X	X	9
B-24	03/27/12	09:00	4	2	1	1			X	X	X	X		X	X	X	10

Relinquished by:	Date	Time	Received by:
Kiff Analytical Rep	3/27/12	15:58	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	3/27/12	1558	

Remarks: Please refer to attached Test Detail.General Minerals: total alkalinity, bicarbonate as CaCO3, chloride, Nitrate as N, Sulfate as SO4, TDS, Ca, Mg, K, and Na.

Bill to: Accounts Payable

KIFF ANALYTICAL 5302974902 03/27/2012 14:14 PAGE 01/02

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Test Detail for Kiff Work Order: 80795

Anions by EPA 300.0 SUB (1)
Chloride
Nitrate as N
Sulfate

Coliforms by SM9221 (1)
E. Coli
Fecal Coliforms
Total Coliforms

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ontrac.com

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Date Printed 3/29/2012

Tracking#D10010463823322

1821

Shipped From:
KIFF ANALYTICAL
2795 2ND STREET 300
DAVIS, CA 95616

Sent By: SAMPLE RECEIVING
Phone#: (530)297-4800
wgt(lbs): 1
Reference: SUB SRG SAMPLES
Reference 2:

Ship To Company:	*Service:* **S**
CALSCIENCE ENVIRONMENTAL **7440 LINCOLN WAY** **GARDEN GROVE, CA 92841** **RECEIVING (714)895-5494** **B10207210772**	*Sort Code:* **ORG** *Special Services:* **Signature Required**

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-03-1821

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Kiff

DATE: 03/30/12

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.3 °C - 0.3 °C (CF) = 2.0 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: [illegible]

CUSTODY SEALS INTACT:

☑ Cooler	☐ _____	☐ No (Not Intact)	☐ Not Present	☐ N/A	Initial: [illegible]
☐ Sample	☐ _____	☐ No (Not Intact)	☑ Not Present		Initial: [illegible]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☐	☐	☑
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☑8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** YV

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** [illegible]

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** [illegible]

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Calscience Environmental Laboratories, Inc.

Subcontractor Analysis Report

Work Order # 12-03-1821

One or more samples in this Work Order have tests that were subcontracted. The subcontract report(s) follows.

For subcontracted tests, please reference the laboratory information noted below.

1 Silliker Inc. - Cypress,CA CA ELAP 1534

Microbiology

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SILLIKER
a Mérieux NutriSciences Company

CERTIFICATE OF ANALYSIS

SILLIKER, Inc.
Southern California Laboratory
6360 Gateway Drive, Cypress, CA 90630
Tel. 209/ 549 7508 Fax. 714/ 226 0009

COA No:	SCA-35189484-0
Supersedes:	None
COA Date	3/29/12
Page 1 of 2	

TO:
Ms. Amanda Porter
Project Manager
Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841-1432

Received From:	Garden Grove, CA
Received Date:	3/27/12
P.O.# / ID:	12-03-1821
Location of Test: (except where noted)	Cypress, CA

Analytical Results

Desc. 1: B-24@9'
Desc. 2: Date: 3/27/2012
Desc. 3: Time: 8:20
Desc. 4: Matrix: S
Desc. 5: Project #: 12-03-1821

Laboratory ID: 332012818
Condition Rec'd: NORMAL
Temp Rec'd (°C): 3.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 3 tube MPN	<30	/g	AOAC 966.24	3/29/12	
E. coli - 3 tube MPN	<30	/g	AOAC 966.24	3/29/12	
Fecal Coliforms - 3 tube MPN	<30	/g	CMMEF, 4th ed.	3/29/12	

Desc. 1: B-22@9'
Desc. 2: Date: 3/27/2012
Desc. 3: Time: 10:20
Desc. 4: Matrix: S
Desc. 5: Project #: 12-03-1821

Laboratory ID: 332012824
Condition Rec'd: NORMAL
Temp Rec'd (°C): 3.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 3 tube MPN	<30	/g	AOAC 966.24	3/29/12	
E. coli - 3 tube MPN	<30	/g	AOAC 966.24	3/29/12	
Fecal Coliforms - 3 tube MPN	<30	/g	CMMEF, 4th ed.	3/29/12	

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SILLIKER
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CERTIFICATE OF ANALYSIS

SILLIKER, Inc.
Southern California Laboratory
6360 Gateway Drive, Cypress, CA 90630
Tel. 209/ 549 7508 Fax. 714/ 226 0009

COA No:	SCA-35189484-0
Supersedes:	None
COA Date	3/29/12
Page 2 of 2	

TO:
Ms. Amanda Porter
Project Manager
Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841-1432

Received From:	Garden Grove, CA
Received Date:	3/27/12
P.O.# / ID:	12-03-1821
Location of Test: (except where noted)	Cypress, CA

Analytical Results

Desc. 1: Sample ID: B-22
Desc. 2: Date: 3/27/2012
Desc. 3: Time: 10:55
Desc. 4: Matrix: W
Desc. 5: Project #: 12-03-1821

Laboratory ID: 332012832
Condition Rec'd: NORMAL
Temp Rec'd (°C): 3.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	
E. coli - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	
Fecal Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	

Desc. 1: Sample ID: B-24
Desc. 2: Date: 3/27/2012
Desc. 3: Time: 9:00
Desc. 4: Matrix: W
Desc. 5: Project #: 12-03-1821

Laboratory ID: 332012833
Condition Rec'd: NORMAL
Temp Rec'd (°C): 3.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	
E. coli - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	
Fecal Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	

Jorge Hernandez — Laboratory Director

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Supplemental Report 1

CALSCIENCE

WORK ORDER NUMBER: 12-03-1821

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Kiff Analytical

Client Project Name: Rincon Mushroom Farm

Attention: Joel Kiff
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Amanda Porter

Approved for release on 04/11/2012 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

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

Calscience Environmental Laboratories, Inc.

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Work Order Number: 12-03-1821

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-22	**12-03-1821-9-E**	**03/27/12 10:55**	**Aqueous**	**GC 51**	**03/28/12**	**03/30/12 16:29**	**120328L06**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.11	1.11		Endrin	ND	0.11	1.11	
Gamma-BHC	ND	0.11	1.11		Endrin Aldehyde	ND	0.11	1.11	
Beta-BHC	ND	0.11	1.11		4,4'-DDD	ND	0.11	1.11	
Heptachlor	ND	0.11	1.11		Endosulfan II	ND	0.11	1.11	
Delta-BHC	ND	0.11	1.11		4,4'-DDT	ND	0.11	1.11	
Aldrin	ND	0.11	1.11		Endosulfan Sulfate	ND	0.11	1.11	
Heptachlor Epoxide	ND	0.11	1.11		Methoxychlor	ND	0.11	1.11	
Endosulfan I	ND	0.11	1.11		Chlordane	ND	1.1	1.11	
Dieldrin	ND	0.11	1.11		Toxaphene	ND	2.2	1.11	
4,4'-DDE	ND	0.11	1.11		Endrin Ketone	ND	0.11	1.11	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	70	50-135		2,4,5,6-Tetrachloro-m-Xylene	62	50-135	

B-24	**12-03-1821-10-E**	**03/27/12 09:00**	**Aqueous**	**GC 51**	**03/28/12**	**03/30/12 16:43**	**120328L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.10	1		Endrin	ND	0.10	1	
Gamma-BHC	ND	0.10	1		Endrin Aldehyde	ND	0.10	1	
Beta-BHC	ND	0.10	1		4,4'-DDD	ND	0.10	1	
Heptachlor	ND	0.10	1		Endosulfan II	ND	0.10	1	
Delta-BHC	ND	0.10	1		4,4'-DDT	ND	0.10	1	
Aldrin	ND	0.10	1		Endosulfan Sulfate	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1		Methoxychlor	ND	0.10	1	
Endosulfan I	ND	0.10	1		Chlordane	ND	1.0	1	
Dieldrin	ND	0.10	1		Toxaphene	ND	2.0	1	
4,4'-DDE	ND	0.10	1		Endrin Ketone	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	88	50-135		2,4,5,6-Tetrachloro-m-Xylene	71	50-135	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-529-522**	**N/A**	**Aqueous**	**GC 51**	**03/28/12**	**03/30/12 15:45**	**120328L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.10	1		Endrin	ND	0.10	1	
Gamma-BHC	ND	0.10	1		Endrin Aldehyde	ND	0.10	1	
Beta-BHC	ND	0.10	1		4,4'-DDD	ND	0.10	1	
Heptachlor	ND	0.10	1		Endosulfan II	ND	0.10	1	
Delta-BHC	ND	0.10	1		4,4'-DDT	ND	0.10	1	
Aldrin	ND	0.10	1		Endosulfan Sulfate	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1		Methoxychlor	ND	0.10	1	
Endosulfan I	ND	0.10	1		Chlordane	ND	1.0	1	
Dieldrin	ND	0.10	1		Toxaphene	ND	2.0	1	
4,4'-DDE	ND	0.10	1		Endrin Ketone	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	50-135		2,4,5,6-Tetrachloro-m-Xylene	63	50-135	

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: Rincon Mushroom Farm

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-24@9'	**12-03-1821-3-B**	**03/27/12 08:20**	**Solid**	**GC 44**	**03/30/12**	**04/03/12 13:40**	**120330L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	5.0	1		Endosulfan II	ND	5.0	1	
Alpha-BHC	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Beta-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Chlordane	ND	50	1		Endrin Aldehyde	ND	5.0	1	
4,4'-DDD	ND	5.0	1		Endrin Ketone	ND	5.0	1	
4,4'-DDE	ND	5.0	1		Gamma-BHC	ND	5.0	1	
4,4'-DDT	ND	5.0	1		Heptachlor	ND	5.0	1	
Delta-BHC	ND	5.0	1		Heptachlor Epoxide	ND	5.0	1	
Dieldrin	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Toxaphene	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	50-135		2,4,5,6-Tetrachloro-m-Xylene	76	50-135	

B-22@9'	**12-03-1821-4-B**	**03/27/12 10:20**	**Solid**	**GC 44**	**03/30/12**	**04/03/12 13:55**	**120330L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	5.0	1		Endosulfan II	ND	5.0	1	
Alpha-BHC	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Beta-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Chlordane	ND	50	1		Endrin Aldehyde	ND	5.0	1	
4,4'-DDD	ND	5.0	1		Endrin Ketone	ND	5.0	1	
4,4'-DDE	ND	5.0	1		Gamma-BHC	ND	5.0	1	
4,4'-DDT	ND	5.0	1		Heptachlor	ND	5.0	1	
Delta-BHC	ND	5.0	1		Heptachlor Epoxide	ND	5.0	1	
Dieldrin	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Toxaphene	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	85	50-135		2,4,5,6-Tetrachloro-m-Xylene	86	50-135	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: Rincon Mushroom Farm			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1,165**	**N/A**	**Solid**	**GC 44**	**03/30/12**	**04/03/12 12:57**	**120330L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	5.0	1		Endosulfan II	ND	5.0	1	
Alpha-BHC	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Beta-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Chlordane	ND	50	1		Endrin Aldehyde	ND	5.0	1	
4,4'-DDD	ND	5.0	1		Endrin Ketone	ND	5.0	1	
4,4'-DDE	ND	5.0	1		Gamma-BHC	ND	5.0	1	
4,4'-DDT	ND	5.0	1		Heptachlor	ND	5.0	1	
Delta-BHC	ND	5.0	1		Heptachlor Epoxide	ND	5.0	1	
Dieldrin	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Toxaphene	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	94	50-135		2,4,5,6-Tetrachloro-m-Xylene	97	50-135	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8141B
		Units:	mg/L
Project: Rincon Mushroom Farm			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-22	**12-03-1821-9-D**	**03/27/12 10:55**	**Aqueous**	**GC 35**	**03/28/12**	**03/29/12 19:03**	**120328L05**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0062	1.25		Merphos	ND	0.0062	1.25	
Bolstar	ND	0.0062	1.25		Methyl Parathion	ND	0.0062	1.25	
Chlorpyrifos	ND	0.0062	1.25		Mevinphos	ND	0.0062	1.25	
Coumaphos	ND	0.0062	1.25		Naled	ND	0.050	1.25	
Diazinon	ND	0.0062	1.25		Phorate	ND	0.0062	1.25	
Dichlorvos	ND	0.0062	1.25		Ronnel	ND	0.0062	1.25	
Disulfoton	ND	0.012	1.25		Stirophos	ND	0.025	1.25	
Ethoprop	ND	0.0062	1.25		Tokuthion	ND	0.0062	1.25	
Fensulfothion	ND	0.0062	1.25		Trichloronate	ND	0.0062	1.25	
Fenthion	ND	0.0062	1.25		Demeton-o/s	ND	0.0062	1.25	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	98	30-130	

B-24	**12-03-1821-10-D**	**03/27/12 09:00**	**Aqueous**	**GC 35**	**03/28/12**	**03/29/12 19:49**	**120328L05**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0056	1.11		Merphos	ND	0.0056	1.11	
Bolstar	ND	0.0056	1.11		Methyl Parathion	ND	0.0056	1.11	
Chlorpyrifos	ND	0.0056	1.11		Mevinphos	ND	0.0056	1.11	
Coumaphos	ND	0.0056	1.11		Naled	ND	0.044	1.11	
Diazinon	ND	0.0056	1.11		Phorate	ND	0.0056	1.11	
Dichlorvos	ND	0.0056	1.11		Ronnel	ND	0.0056	1.11	
Disulfoton	ND	0.011	1.11		Stirophos	ND	0.022	1.11	
Ethoprop	ND	0.0056	1.11		Tokuthion	ND	0.0056	1.11	
Fensulfothion	ND	0.0056	1.11		Trichloronate	ND	0.0056	1.11	
Fenthion	ND	0.0056	1.11		Demeton-o/s	ND	0.0056	1.11	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	92	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8141B
		Units:	mg/L
Project: Rincon Mushroom Farm			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-957-119**	**N/A**	**Aqueous**	**GC 35**	**03/28/12**	**03/29/12 18:17**	**120328L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0050	1		Merphos	ND	0.0050	1	
Bolstar	ND	0.0050	1		Methyl Parathion	ND	0.0050	1	
Chlorpyrifos	ND	0.0050	1		Mevinphos	ND	0.0050	1	
Coumaphos	ND	0.0050	1		Naled	ND	0.040	1	
Diazinon	ND	0.0050	1		Phorate	ND	0.0050	1	
Dichlorvos	ND	0.0050	1		Ronnel	ND	0.0050	1	
Disulfoton	ND	0.010	1		Stirophos	ND	0.020	1	
Ethoprop	ND	0.0050	1		Tokuthion	ND	0.0050	1	
Fensulfothion	ND	0.0050	1		Trichloronate	ND	0.0050	1	
Fenthion	ND	0.0050	1		Demeton-o/s	ND	0.0050	1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	89	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8141B
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-24@9'	**12-03-1821-3-B**	**03/27/12 08:20**	**Solid**	**GC 35**	**03/30/12**	**03/30/12 18:13**	**120330L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Demeton-o/s	ND	0.50	1		Fenthion	ND	0.50	1	
Azinphos Methyl	ND	0.50	1		Merphos	ND	0.50	1	
Bolstar	ND	0.50	1		Methyl Parathion	ND	0.50	1	
Chlorpyrifos	ND	0.50	1		Mevinphos	ND	0.50	1	
Coumaphos	ND	0.50	1		Naled	ND	4.0	1	
Diazinon	ND	0.50	1		Phorate	ND	0.50	1	
Dichlorvos	ND	0.50	1		Ronnel	ND	0.50	1	
Disulfoton	ND	0.50	1		Stirophos	ND	2.0	1	
Ethoprop	ND	0.50	1		Tokuthion	ND	0.50	1	
Fensulfothion	ND	0.50	1		Trichloronate	ND	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	127	30-130	

B-22@9'	**12-03-1821-4-B**	**03/27/12 10:20**	**Solid**	**GC 35**	**03/30/12**	**03/30/12 18:58**	**120330L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Demeton-o/s	ND	0.50	1		Fenthion	ND	0.50	1	
Azinphos Methyl	ND	0.50	1		Merphos	ND	0.50	1	
Bolstar	ND	0.50	1		Methyl Parathion	ND	0.50	1	
Chlorpyrifos	ND	0.50	1		Mevinphos	ND	0.50	1	
Coumaphos	ND	0.50	1		Naled	ND	4.0	1	
Diazinon	ND	0.50	1		Phorate	ND	0.50	1	
Dichlorvos	ND	0.50	1		Ronnel	ND	0.50	1	
Disulfoton	ND	0.50	1		Stirophos	ND	2.0	1	
Ethoprop	ND	0.50	1		Tokuthion	ND	0.50	1	
Fensulfothion	ND	0.50	1		Trichloronate	ND	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	110	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8141B
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-465-111**	**N/A**	**Solid**	**GC 35**	**03/30/12**	**03/30/12 15:55**	**120330L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Demeton-o/s	ND	0.50	1		Fenthion	ND	0.50	1	
Azinphos Methyl	ND	0.50	1		Merphos	ND	0.50	1	
Bolstar	ND	0.50	1		Methyl Parathion	ND	0.50	1	
Chlorpyrifos	ND	0.50	1		Mevinphos	ND	0.50	1	
Coumaphos	ND	0.50	1		Naled	ND	4.0	1	
Diazinon	ND	0.50	1		Phorate	ND	0.50	1	
Dichlorvos	ND	0.50	1		Ronnel	ND	0.50	1	
Disulfoton	ND	0.50	1		Stirophos	ND	2.0	1	
Ethoprop	ND	0.50	1		Tokuthion	ND	0.50	1	
Fensulfothion	ND	0.50	1		Trichloronate	ND	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	106	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: Rincon Mushroom Farm			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-24@9'	**12-03-1821-3-B**	**03/27/12 08:20**	**Solid**	**GC 40**	**03/30/12**	**04/02/12 17:43**	**120330L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	46	30-130	

B-22@9'	**12-03-1821-4-B**	**03/27/12 10:20**	**Solid**	**GC 40**	**03/30/12**	**04/02/12 18:16**	**120330L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	45	30-130	

Method Blank	**095-01-033-993**	**N/A**	**Solid**	**GC 40**	**03/30/12**	**04/03/12 19:34**	**120330L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	60	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/L

Project: Rincon Mushroom Farm

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-22	**12-03-1821-9-C**	**03/27/12 10:55**	**Aqueous**	**GC 40**	**03/28/12**	**03/29/12 18:17**	**120328L04**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	14	1.11		2,4-D	ND	5.6	1.11	
Dicamba	ND	0.56	1.11		2,4,5-TP (Silvex)	ND	0.56	1.11	
MCPP	ND	560	1.11		2,4,5-T	ND	0.56	1.11	
MCPA	ND	560	1.11		2,4-DB	ND	5.6	1.11	
Dichlorprop	ND	5.6	1.11		Dinoseb	ND	2.8	1.11	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	71	0-123	

B-24	**12-03-1821-10-C**	**03/27/12 09:00**	**Aqueous**	**GC 40**	**03/28/12**	**03/29/12 18:50**	**120328L04**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	15	1.18		2,4-D	ND	5.9	1.18	
Dicamba	ND	0.59	1.18		2,4,5-TP (Silvex)	ND	0.59	1.18	
MCPP	ND	590	1.18		2,4,5-T	ND	0.59	1.18	
MCPA	ND	590	1.18		2,4-DB	ND	5.9	1.18	
Dichlorprop	ND	5.9	1.18		Dinoseb	ND	2.9	1.18	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	85	0-123	

Method Blank	**095-01-034-536**	**N/A**	**Aqueous**	**GC 40**	**03/28/12**	**03/29/12 13:25**	**120328L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	13	1		2,4-D	ND	5.0	1	
Dicamba	ND	0.50	1		2,4,5-TP (Silvex)	ND	0.50	1	
MCPP	ND	500	1		2,4,5-T	ND	0.50	1	
MCPA	ND	500	1		2,4-DB	ND	5.0	1	
Dichlorprop	ND	5.0	1		Dinoseb	ND	2.5	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	64	0-123	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-22	**12-03-1821-9-F**	**03/27/12 10:55**	**Aqueous**	**GC/MS CCC**	**03/28/12**	**04/02/12 12:46**	**120328L07**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	11	1.11		2,4-Dimethylphenol	ND	11	1.11	
Acenaphthylene	ND	11	1.11		4,6-Dinitro-2-Methylphenol	ND	56	1.11	
Aniline	ND	11	1.11		2,4-Dinitrophenol	ND	56	1.11	
Anthracene	ND	11	1.11		2,4-Dinitrotoluene	ND	11	1.11	
Azobenzene	ND	11	1.11		2,6-Dinitrotoluene	ND	11	1.11	
Benzidine	ND	56	1.11		Fluoranthene	ND	11	1.11	
Benzo (a) Anthracene	ND	11	1.11		Fluorene	ND	11	1.11	
Benzo (a) Pyrene	ND	11	1.11		Hexachloro-1,3-Butadiene	ND	11	1.11	
Benzo (b) Fluoranthene	ND	11	1.11		Hexachlorobenzene	ND	11	1.11	
Benzo (g,h,i) Perylene	ND	11	1.11		Hexachlorocyclopentadiene	ND	28	1.11	
Benzo (k) Fluoranthene	ND	11	1.11		Hexachloroethane	ND	11	1.11	
Benzoic Acid	ND	56	1.11		Indeno (1,2,3-c,d) Pyrene	ND	11	1.11	
Benzyl Alcohol	ND	11	1.11		Isophorone	ND	11	1.11	
Bis(2-Chloroethoxy) Methane	ND	11	1.11		2-Methylnaphthalene	ND	11	1.11	
Bis(2-Chloroethyl) Ether	ND	28	1.11		1-Methylnaphthalene	ND	11	1.11	
Bis(2-Chloroisopropyl) Ether	ND	11	1.11		2-Methylphenol	ND	11	1.11	
Bis(2-Ethylhexyl) Phthalate	ND	11	1.11		3/4-Methylphenol	ND	11	1.11	
4-Bromophenyl-Phenyl Ether	ND	11	1.11		N-Nitroso-di-n-propylamine	ND	11	1.11	
Butyl Benzyl Phthalate	ND	11	1.11		N-Nitrosodimethylamine	ND	11	1.11	
4-Chloro-3-Methylphenol	ND	11	1.11		N-Nitrosodiphenylamine	ND	11	1.11	
4-Chloroaniline	ND	11	1.11		Naphthalene	ND	11	1.11	
2-Chloronaphthalene	ND	11	1.11		4-Nitroaniline	ND	11	1.11	
2-Chlorophenol	ND	11	1.11		3-Nitroaniline	ND	11	1.11	
4-Chlorophenyl-Phenyl Ether	ND	11	1.11		2-Nitroaniline	ND	11	1.11	
Chrysene	ND	11	1.11		Nitrobenzene	ND	28	1.11	
Di-n-Butyl Phthalate	ND	11	1.11		4-Nitrophenol	ND	11	1.11	
Di-n-Octyl Phthalate	ND	11	1.11		2-Nitrophenol	ND	11	1.11	
Dibenz (a,h) Anthracene	ND	11	1.11		Pentachlorophenol	ND	11	1.11	
Dibenzofuran	ND	11	1.11		Phenanthrene	ND	11	1.11	
1,2-Dichlorobenzene	ND	11	1.11		Phenol	ND	11	1.11	
1,3-Dichlorobenzene	ND	11	1.11		Pyrene	ND	11	1.11	
1,4-Dichlorobenzene	ND	11	1.11		Pyridine	ND	11	1.11	
3,3'-Dichlorobenzidine	ND	28	1.11		1,2,4-Trichlorobenzene	ND	11	1.11	
2,4-Dichlorophenol	ND	11	1.11		2,4,6-Trichlorophenol	ND	11	1.11	
Diethyl Phthalate	ND	11	1.11		2,4,5-Trichlorophenol	ND	11	1.11	
Dimethyl Phthalate	ND	11	1.11						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	83	42-138		2-Fluorophenol	74	7-121	
Nitrobenzene-d5	100	50-146		p-Terphenyl-d14	109	47-173	
Phenol-d6	51	1-127		2,4,6-Tribromophenol	104	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-24	**12-03-1821-10-F**	**03/27/12 09:00**	**Aqueous**	**GC/MS CCC**	**03/28/12**	**04/02/12 13:13**	**120328L07**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	11	1.11		2,4-Dimethylphenol	ND	11	1.11	
Acenaphthylene	ND	11	1.11		4,6-Dinitro-2-Methylphenol	ND	56	1.11	
Aniline	ND	11	1.11		2,4-Dinitrophenol	ND	56	1.11	
Anthracene	ND	11	1.11		2,4-Dinitrotoluene	ND	11	1.11	
Azobenzene	ND	11	1.11		2,6-Dinitrotoluene	ND	11	1.11	
Benzidine	ND	56	1.11		Fluoranthene	ND	11	1.11	
Benzo (a) Anthracene	ND	11	1.11		Fluorene	ND	11	1.11	
Benzo (a) Pyrene	ND	11	1.11		Hexachloro-1,3-Butadiene	ND	11	1.11	
Benzo (b) Fluoranthene	ND	11	1.11		Hexachlorobenzene	ND	11	1.11	
Benzo (g,h,i) Perylene	ND	11	1.11		Hexachlorocyclopentadiene	ND	28	1.11	
Benzo (k) Fluoranthene	ND	11	1.11		Hexachloroethane	ND	11	1.11	
Benzoic Acid	ND	56	1.11		Indeno (1,2,3-c,d) Pyrene	ND	11	1.11	
Benzyl Alcohol	ND	11	1.11		Isophorone	ND	11	1.11	
Bis(2-Chloroethoxy) Methane	ND	11	1.11		2-Methylnaphthalene	ND	11	1.11	
Bis(2-Chloroethyl) Ether	ND	28	1.11		1-Methylnaphthalene	ND	11	1.11	
Bis(2-Chloroisopropyl) Ether	ND	11	1.11		2-Methylphenol	ND	11	1.11	
Bis(2-Ethylhexyl) Phthalate	ND	11	1.11		3/4-Methylphenol	ND	11	1.11	
4-Bromophenyl-Phenyl Ether	ND	11	1.11		N-Nitroso-di-n-propylamine	ND	11	1.11	
Butyl Benzyl Phthalate	ND	11	1.11		N-Nitrosodimethylamine	ND	11	1.11	
4-Chloro-3-Methylphenol	ND	11	1.11		N-Nitrosodiphenylamine	ND	11	1.11	
4-Chloroaniline	ND	11	1.11		Naphthalene	ND	11	1.11	
2-Chloronaphthalene	ND	11	1.11		4-Nitroaniline	ND	11	1.11	
2-Chlorophenol	ND	11	1.11		3-Nitroaniline	ND	11	1.11	
4-Chlorophenyl-Phenyl Ether	ND	11	1.11		2-Nitroaniline	ND	11	1.11	
Chrysene	ND	11	1.11		Nitrobenzene	ND	28	1.11	
Di-n-Butyl Phthalate	ND	11	1.11		4-Nitrophenol	ND	11	1.11	
Di-n-Octyl Phthalate	ND	11	1.11		2-Nitrophenol	ND	11	1.11	
Dibenz (a,h) Anthracene	ND	11	1.11		Pentachlorophenol	ND	11	1.11	
Dibenzofuran	ND	11	1.11		Phenanthrene	ND	11	1.11	
1,2-Dichlorobenzene	ND	11	1.11		Phenol	ND	11	1.11	
1,3-Dichlorobenzene	ND	11	1.11		Pyrene	ND	11	1.11	
1,4-Dichlorobenzene	ND	11	1.11		Pyridine	ND	11	1.11	
3,3'-Dichlorobenzidine	ND	28	1.11		1,2,4-Trichlorobenzene	ND	11	1.11	
2,4-Dichlorophenol	ND	11	1.11		2,4,6-Trichlorophenol	ND	11	1.11	
Diethyl Phthalate	ND	11	1.11		2,4,5-Trichlorophenol	ND	11	1.11	
Dimethyl Phthalate	ND	11	1.11						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	82	42-138		2-Fluorophenol	74	7-121	
Nitrobenzene-d5	97	50-146		p-Terphenyl-d14	100	47-173	
Phenol-d6	51	1-127		2,4,6-Tribromophenol	101	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-003-3,349**	**N/A**	**Aqueous**	**GC/MS CCC**	**03/28/12**	**04/02/12 11:53**	**120328L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	65	42-138		2-Fluorophenol	56	7-121	
Nitrobenzene-d5	82	50-146		p-Terphenyl-d14	92	47-173	
Phenol-d6	36	1-127		2,4,6-Tribromophenol	82	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-24@9'	**12-03-1821-3-B**	**03/27/12 08:20**	**Solid**	**GC/MS CCC**	**03/30/12**	**04/02/12 21:11**	**120330L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.50	1		2,4-Dimethylphenol	ND	0.50	1	
Acenaphthylene	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
Aniline	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Anthracene	ND	0.50	1		2,4-Dinitrotoluene	ND	0.50	1	
Azobenzene	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
Benzidine	ND	10	1		Fluoranthene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1		Fluorene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1		Hexachlorobenzene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1		Hexachlorocyclopentadiene	ND	2.5	1	
Benzo (k) Fluoranthene	ND	0.50	1		Hexachloroethane	ND	0.50	1	
Benzoic Acid	ND	2.5	1		Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Isophorone	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		2-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		1-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		2-Methylphenol	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1		3/4-Methylphenol	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1		N-Nitroso-di-n-propylamine	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1		N-Nitrosodimethylamine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Naphthalene	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		3-Nitroaniline	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1		2-Nitroaniline	ND	0.50	1	
Chrysene	ND	0.50	1		Nitrobenzene	ND	2.5	1	
Di-n-Butyl Phthalate	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1		2-Nitrophenol	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
Dibenzofuran	ND	0.50	1		Phenanthrene	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		Phenol	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Pyrene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		Pyridine	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1		1,2,4-Trichlorobenzene	ND	0.50	1	
2,4-Dichlorophenol	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1		2,4,5-Trichlorophenol	ND	0.50	1	
Dimethyl Phthalate	ND	0.50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	78	38-134		2-Fluorophenol	83	42-120	
Nitrobenzene-d5	83	42-150		p-Terphenyl-d14	86	35-167	
Phenol-d6	82	46-118		2,4,6-Tribromophenol	75	36-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-22@9'	**12-03-1821-4-B**	**03/27/12 10:20**	**Solid**	**GC/MS CCC**	**03/30/12**	**04/02/12 21:38**	**120330L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.50	1		2,4-Dimethylphenol	ND	0.50	1	
Acenaphthylene	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
Aniline	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Anthracene	ND	0.50	1		2,4-Dinitrotoluene	ND	0.50	1	
Azobenzene	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
Benzidine	ND	10	1		Fluoranthene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1		Fluorene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1		Hexachlorobenzene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1		Hexachlorocyclopentadiene	ND	2.5	1	
Benzo (k) Fluoranthene	ND	0.50	1		Hexachloroethane	ND	0.50	1	
Benzoic Acid	ND	2.5	1		Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Isophorone	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		2-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		1-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		2-Methylphenol	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1		3/4-Methylphenol	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1		N-Nitroso-di-n-propylamine	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1		N-Nitrosodimethylamine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Naphthalene	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		3-Nitroaniline	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1		2-Nitroaniline	ND	0.50	1	
Chrysene	ND	0.50	1		Nitrobenzene	ND	2.5	1	
Di-n-Butyl Phthalate	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1		2-Nitrophenol	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
Dibenzofuran	ND	0.50	1		Phenanthrene	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		Phenol	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Pyrene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		Pyridine	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1		1,2,4-Trichlorobenzene	ND	0.50	1	
2,4-Dichlorophenol	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1		2,4,5-Trichlorophenol	ND	0.50	1	
Dimethyl Phthalate	ND	0.50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	84	38-134		2-Fluorophenol	88	42-120	
Nitrobenzene-d5	87	42-150		p-Terphenyl-d14	102	35-167	
Phenol-d6	90	46-118		2,4,6-Tribromophenol	86	36-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-549-2,161**	**N/A**	**Solid**	**GC/MS CCC**	**03/30/12**	**04/03/12 10:48**	**120330L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.50	1		2,4-Dimethylphenol	ND	0.50	1	
Acenaphthylene	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
Aniline	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Anthracene	ND	0.50	1		2,4-Dinitrotoluene	ND	0.50	1	
Azobenzene	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
Benzidine	ND	10	1		Fluoranthene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1		Fluorene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1		Hexachlorobenzene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1		Hexachlorocyclopentadiene	ND	2.5	1	
Benzo (k) Fluoranthene	ND	0.50	1		Hexachloroethane	ND	0.50	1	
Benzoic Acid	ND	2.5	1		Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Isophorone	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		2-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		1-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		2-Methylphenol	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1		3/4-Methylphenol	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1		N-Nitroso-di-n-propylamine	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1		N-Nitrosodimethylamine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Naphthalene	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		3-Nitroaniline	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1		2-Nitroaniline	ND	0.50	1	
Chrysene	ND	0.50	1		Nitrobenzene	ND	2.5	1	
Di-n-Butyl Phthalate	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1		2-Nitrophenol	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
Dibenzofuran	ND	0.50	1		Phenanthrene	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		Phenol	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Pyrene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		Pyridine	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1		1,2,4-Trichlorobenzene	ND	0.50	1	
2,4-Dichlorophenol	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1		2,4,5-Trichlorophenol	ND	0.50	1	
Dimethyl Phthalate	ND	0.50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	86	38-134		2-Fluorophenol	90	42-120	
Nitrobenzene-d5	84	42-150		p-Terphenyl-d14	108	35-167	
Phenol-d6	96	46-118		2,4,6-Tribromophenol	83	36-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Rincon Mushroom Farm			Page 1 of 1

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-22	**12-03-1821-9-G**	**03/27/12 10:55**	**Aqueous**	**ICP 5300**	**03/27/12**	**03/28/12 12:51**	**120327LA3**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Calcium	123	0.100	1		Potassium	129	0.500	1	
Magnesium	148	0.100	1		Sodium	52.9	0.500	1	

B-24	**12-03-1821-10-G**	**03/27/12 09:00**	**Aqueous**	**ICP 5300**	**03/27/12**	**03/28/12 12:52**	**120327LA3**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Calcium	162	0.100	1		Potassium	193	0.500	1	
Magnesium	228	0.100	1		Sodium	52.1	0.500	1	

Method Blank	**097-01-003-12,495**	**N/A**	**Aqueous**	**ICP 5300**	**03/27/12**	**03/28/12 11:26**	**120327LA3**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Calcium	ND	0.100	1		Potassium	ND	0.500	1	
Magnesium	ND	0.100	1		Sodium	ND	0.500	1	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/27/12
Work Order No: 12-03-1821

Project: Rincon Mushroom Farm

Client Sample Number	Lab Sample Number	Date Collected	Matrix
B-25	**12-03-1821-8**	**03/27/12**	**Aqueous**

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	27	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Nitrate (as N)	0.31	0.10	1		mg/L	N/A	03/27/12	EPA 300.0
Sulfate	30	1.0	1		mg/L	N/A	03/27/12	EPA 300.0

B-22	**12-03-1821-9**	**03/27/12**	**Aqueous**

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	27	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Nitrate (as N)	0.14	0.10	1		mg/L	N/A	03/27/12	EPA 300.0
Sulfate	36	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Bicarbonate (as CaCO3)	162	5.00	1		mg/L	N/A	03/29/12	SM 2320B
Alkalinity, Total (as CaCO3)	162	5.00	1		mg/L	N/A	03/29/12	SM 2320B
Solids, Total Dissolved	310	1.00	1		mg/L	03/28/12	03/28/12	SM 2540 C

B-24	**12-03-1821-10**	**03/27/12**	**Aqueous**

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	31	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Nitrate (as N)	0.26	0.10	1		mg/L	N/A	03/27/12	EPA 300.0
Sulfate	34	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Bicarbonate (as CaCO3)	161	5.00	1		mg/L	N/A	03/29/12	SM 2320B
Alkalinity, Total (as CaCO3)	161	5.00	1		mg/L	N/A	03/29/12	SM 2320B
Solids, Total Dissolved	310	1.00	1		mg/L	03/28/12	03/28/12	SM 2540 C

Method Blank		**N/A**	**Aqueous**

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	ND	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	03/27/12	EPA 300.0
Sulfate	ND	1.0	1		mg/L	N/A	03/27/12	EPA 300.0
Bicarbonate (as CaCO3)	ND	1.0	1		mg/L	N/A	03/29/12	SM 2320B
Alkalinity, Total (as CaCO3)	ND	1.0	1		mg/L	N/A	03/29/12	SM 2320B
Solids, Total Dissolved	ND	1.0	1		mg/L	03/28/12	03/28/12	SM 2540 C

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/27/12
Work Order No: 12-03-1821
Preparation: EPA 3005A Filt.
Method: EPA 6010B

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-03-1773-2	**Aqueous**	**ICP 5300**	**03/27/12**	**03/28/12**	**120327SA3**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Calcium	0.5000	4X	4X	77-113	4X	0-11	Q
Magnesium	0.5000	4X	4X	56-140	4X	0-11	Q
Potassium	5.000	108	110	83-131	1	0-7	
Sodium	5.000	4X	4X	73-127	4X	0-9	Q

RPD - Relative Percent Difference , CL - Control Limit

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Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

Kiff Analytical		Date Received	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
12-03-1773-2	**Aqueous**	**ICP 5300**	**03/27/12**	**03/28/12**	**120327SA3**

Parameter	SPIKE ADDED	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Calcium	0.5000	4X	4X	75-125	4X	0-11	Q
Magnesium	0.5000	4X	4X	75-125	4X	0-11	Q
Potassium	5.000	105	105	75-125	0	0-7	
Sodium	5.000	4X	4X	75-125	4X	0-9	Q

RPD - Relative Percent Difference , CL - Control Limit

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-03-1886-4	**Solid**	**GC 40**	**03/30/12**	**04/03/12**	**120330S08**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	400.0	74	86	30-130	15	0-30	
2,4,5-T	40.00	66	80	30-130	19	0-30	
2,4-DB	400.0	73	89	30-130	20	0-30	

RPD - Relative Percent Difference , CL - Control Limit

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8081A

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-25@9'	**Solid**	**GC 44**	**03/30/12**	**04/03/12**	**120330S05**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	25.00	89	93	50-135	4	0-25	
Alpha-BHC	25.00	91	94	50-135	3	0-25	
Beta-BHC	25.00	93	98	50-135	6	0-25	
4,4'-DDD	25.00	94	98	50-135	4	0-25	
4,4'-DDE	25.00	93	97	50-135	4	0-25	
4,4'-DDT	25.00	98	102	50-135	4	0-25	
Delta-BHC	25.00	89	93	50-135	4	0-25	
Dieldrin	25.00	92	96	50-135	4	0-25	
Endosulfan I	25.00	95	99	50-135	4	0-25	
Endosulfan II	25.00	94	98	50-135	4	0-25	
Endosulfan Sulfate	25.00	90	95	50-135	5	0-25	
Endrin	25.00	95	98	50-135	4	0-25	
Endrin Aldehyde	25.00	89	93	50-135	5	0-25	
Gamma-BHC	25.00	91	93	50-135	3	0-25	
Heptachlor	25.00	90	92	50-135	3	0-25	
Heptachlor Epoxide	25.00	88	92	50-135	4	0-25	
Methoxychlor	25.00	95	100	50-135	5	0-25	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-24@9'	**Solid**	**GC/MS CCC**	**03/30/12**	**04/02/12**	**120330S04**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Acenaphthene	10.00	87	97	49-133	11	0-18	
Acenaphthylene	10.00	87	97	50-150	11	0-20	
Butyl Benzyl Phthalate	10.00	91	99	50-150	9	0-20	
4-Chloro-3-Methylphenol	10.00	92	104	50-128	12	0-17	
2-Chlorophenol	10.00	92	98	57-111	6	0-17	
1,4-Dichlorobenzene	10.00	80	87	49-127	8	0-20	
Dimethyl Phthalate	10.00	86	96	50-150	11	0-20	
2,4-Dinitrotoluene	10.00	85	94	50-128	11	0-18	
Fluorene	10.00	85	95	50-150	10	0-20	
N-Nitroso-di-n-propylamine	10.00	101	110	54-144	8	0-17	
Naphthalene	10.00	87	95	50-150	9	0-20	
4-Nitrophenol	10.00	79	93	30-144	16	0-21	
Pentachlorophenol	10.00	73	83	29-113	13	0-22	
Phenol	10.00	92	99	57-123	8	0-16	
Pyrene	10.00	89	99	47-149	11	0-20	
1,2,4-Trichlorobenzene	10.00	81	89	42-132	9	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	03/27/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8141B

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-03-1886-3	**Solid**	**GC 35**	**03/30/12**	**03/30/12**	**120330S06**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	4.000	91	92	30-130	1	0-30	
Bolstar	4.000	96	97	30-130	1	0-30	
Chlorpyrifos	4.000	86	88	30-130	2	0-30	
Coumaphos	4.000	94	96	30-130	2	0-30	
Diazinon	4.000	89	93	30-130	4	0-30	
Disulfoton	4.000	95	97	30-130	2	0-30	
Ethoprop	4.000	94	99	30-130	4	0-30	
Fensulfothion	4.000	94	96	30-130	2	0-30	
Fenthion	4.000	92	93	30-130	1	0-30	
Merphos	4.000	88	89	30-130	2	0-30	
Methyl Parathion	4.000	88	90	30-130	3	0-30	
Phorate	4.000	100	102	30-130	3	0-30	
Ronnel	4.000	85	88	30-130	3	0-30	
Stirophos	4.000	78	80	30-130	3	0-30	
Tokuthion	4.000	87	88	30-130	2	0-30	
Trichloronate	4.000	85	88	30-130	3	0-30	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 12-03-1821

Project: Rincon Mushroom Farm

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chloride	EPA 300.0	12-03-1773-4	03/27/12	N/A	95	95	80-120	1	0-20	
Nitrate (as N)	EPA 300.0	12-03-1773-4	03/27/12	N/A	95	94	80-120	0	0-20	
Sulfate	EPA 300.0	12-03-1773-4	03/27/12	N/A	96	96	80-120	0	0-20	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 12-03-1821

Project: Rincon Mushroom Farm

Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	SM 2320B	B-22	03/29/12	162	162	0	0-25	
Bicarbonate (as CaCO3)	SM 2320B	B-22	03/29/12	162	162	0	0-25	
Carbonate (as CaCO3)	SM 2320B	B-22	03/29/12	ND	ND	NA	0-25	
Hydroxide (as CaCO3)	SM 2320B	B-22	03/29/12	ND	ND	NA	0-25	
Solids, Total Dissolved	SM 2540 C	12-03-1830-3	03/28/12	765	785	3	0-10	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-12,495	**Aqueous**	**ICP 5300**	**03/27/12**	**03/28/12**	**120327LA3**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Calcium	0.5000	102	106	80-120	4	0-20	
Magnesium	0.5000	100	100	80-120	0	0-20	
Potassium	5.000	102	102	80-120	0	0-20	
Sodium	5.000	105	105	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-033-993	**Solid**	**GC 40**	**03/30/12**	**04/03/12**	**120330L08**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	400.0	59	58	30-130	2	0-30	
2,4,5-T	40.00	65	65	30-130	0	0-30	
2,4-DB	400.0	107	89	30-130	18	0-30	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-034-536	**Aqueous**	**GC 40**	**03/28/12**	**03/29/12**	**120328L04**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	20.00	68	71	30-130	5	0-30	
2,4,5-T	2.000	61	64	30-130	6	0-30	
2,4-DB	20.00	65	70	30-130	8	0-30	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8270C

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-3,349	**Aqueous**	**GC/MS CCC**	**03/28/12**	**04/02/12**	**120328L07**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Acenaphthene	200.0	85	84	55-139	41-153	1	0-17	
Acenaphthylene	200.0	82	81	33-145	14-164	1	0-20	
Butyl Benzyl Phthalate	200.0	92	90	0-152	0-177	1	0-20	
4-Chloro-3-Methylphenol	200.0	84	85	55-121	44-132	1	0-18	
2-Chlorophenol	200.0	85	84	53-113	43-123	1	0-17	
1,4-Dichlorobenzene	200.0	67	66	50-122	38-134	2	0-19	
Dimethyl Phthalate	200.0	87	87	0-112	0-131	1	0-20	
2,4-Dinitrotoluene	200.0	84	85	41-161	21-181	1	0-22	
Fluorene	200.0	84	84	59-121	49-131	0	0-20	
N-Nitroso-di-n-propylamine	200.0	85	83	56-146	41-161	2	0-22	
Naphthalene	200.0	81	80	21-133	2-152	1	0-20	
4-Nitrophenol	200.0	45	44	1-145	0-169	1	0-29	
Pentachlorophenol	200.0	73	72	34-130	18-146	1	0-23	
Phenol	200.0	43	43	4-142	0-165	1	0-24	
Pyrene	200.0	92	90	38-170	16-192	2	0-27	
1,2,4-Trichlorobenzene	200.0	74	74	49-121	37-133	0	0-19	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8081A

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-537-1,165	**Solid**	**GC 44**	**03/30/12**	**04/03/12**	**120330L05**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Aldrin	25.00	90	87	50-135	36-149	4	0-25	
Alpha-BHC	25.00	98	97	50-135	36-149	0	0-25	
Beta-BHC	25.00	101	101	50-135	36-149	0	0-25	
4,4'-DDD	25.00	102	104	50-135	36-149	1	0-25	
4,4'-DDE	25.00	105	105	50-135	36-149	0	0-25	
4,4'-DDT	25.00	108	108	50-135	36-149	0	0-25	
Delta-BHC	25.00	99	99	50-135	36-149	0	0-25	
Dieldrin	25.00	103	103	50-135	36-149	1	0-25	
Endosulfan I	25.00	100	100	50-135	36-149	1	0-25	
Endosulfan II	25.00	104	105	50-135	36-149	1	0-25	
Endosulfan Sulfate	25.00	101	102	50-135	36-149	0	0-25	
Endrin	25.00	107	107	50-135	36-149	0	0-25	
Endrin Aldehyde	25.00	99	99	50-135	36-149	0	0-25	
Gamma-BHC	25.00	100	100	50-135	36-149	0	0-25	
Heptachlor	25.00	98	98	50-135	36-149	0	0-25	
Heptachlor Epoxide	25.00	97	97	50-135	36-149	0	0-25	
Methoxychlor	25.00	107	106	50-135	36-149	1	0-25	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 12-03-1821
Preparation: EPA 3510C
Method: EPA 8081A

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-529-522	**Aqueous**	**GC 51**	**03/28/12**	**03/30/12**	**120328L06**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	97	108	50-135	36-149	11	0-25	
Gamma-BHC	0.5000	99	111	50-135	36-149	11	0-25	
Beta-BHC	0.5000	90	99	50-135	36-149	10	0-25	
Heptachlor	0.5000	91	96	50-135	36-149	5	0-25	
Delta-BHC	0.5000	95	106	50-135	36-149	11	0-25	
Aldrin	0.5000	83	88	50-135	36-149	6	0-25	
Heptachlor Epoxide	0.5000	91	102	50-135	36-149	12	0-25	
Endosulfan I	0.5000	91	103	50-135	36-149	12	0-25	
Dieldrin	0.5000	93	104	50-135	36-149	12	0-25	
4,4'-DDE	0.5000	94	105	50-135	36-149	12	0-25	
Endrin	0.5000	106	120	50-135	36-149	13	0-25	
Endrin Aldehyde	0.5000	84	96	50-135	36-149	14	0-25	
4,4'-DDD	0.5000	93	104	50-135	36-149	12	0-25	
Endosulfan II	0.5000	89	100	50-135	36-149	11	0-25	
4,4'-DDT	0.5000	89	100	50-135	36-149	12	0-25	
Endosulfan Sulfate	0.5000	91	102	50-135	36-149	12	0-25	
Methoxychlor	0.5000	89	101	50-135	36-149	12	0-25	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-549-2,161	**Solid**	**GC/MS CCC**	**03/30/12**	**04/02/12**	**120330L04**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Acenaphthene	10.00	101	93	59-125	48-136	8	0-15	
Acenaphthylene	10.00	102	94	33-145	14-164	8	0-20	
Butyl Benzyl Phthalate	10.00	107	97	0-152	0-177	10	0-20	
4-Chloro-3-Methylphenol	10.00	106	98	61-121	51-131	7	0-14	
2-Chlorophenol	10.00	100	93	60-114	51-123	8	0-15	
1,4-Dichlorobenzene	10.00	92	86	61-121	51-131	7	0-21	
Dimethyl Phthalate	10.00	102	93	0-112	0-131	9	0-20	
2,4-Dinitrotoluene	10.00	99	90	51-141	36-156	10	0-16	
Fluorene	10.00	99	91	59-121	49-131	8	0-20	
N-Nitroso-di-n-propylamine	10.00	114	108	64-136	52-148	5	0-15	
Naphthalene	10.00	97	91	21-133	2-152	6	0-20	
4-Nitrophenol	10.00	92	81	38-152	19-171	13	0-31	
Pentachlorophenol	10.00	71	61	38-116	25-129	15	0-20	
Phenol	10.00	99	95	59-125	48-136	4	0-15	
Pyrene	10.00	108	99	51-141	36-156	9	0-14	
1,2,4-Trichlorobenzene	10.00	91	86	58-118	48-128	5	0-18	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8141B

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-957-119	**Aqueous**	**GC 35**	**03/28/12**	**03/29/12**	**120328L05**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	0.04000	83	82	30-130	13-147	1	0-30	
Bolstar	0.04000	84	77	30-130	13-147	8	0-30	
Chlorpyrifos	0.04000	79	73	30-130	13-147	9	0-30	
Coumaphos	0.04000	84	83	30-130	13-147	2	0-30	
Diazinon	0.04000	83	78	30-130	13-147	7	0-30	
Disulfoton	0.04000	82	77	30-130	13-147	6	0-30	
Ethoprop	0.04000	85	80	30-130	13-147	5	0-30	
Fensulfothion	0.04000	89	82	30-130	13-147	8	0-30	
Fenthion	0.04000	81	74	30-130	13-147	8	0-30	
Merphos	0.04000	81	75	30-130	13-147	7	0-30	
Methyl Parathion	0.04000	80	74	30-130	13-147	8	0-30	
Phorate	0.04000	86	81	30-130	13-147	6	0-30	
Ronnel	0.04000	78	71	30-130	13-147	9	0-30	
Stirophos	0.04000	76	69	30-130	13-147	10	0-30	
Tokuthion	0.04000	79	72	30-130	13-147	8	0-30	
Trichloronate	0.04000	78	72	30-130	13-147	8	0-30	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1821
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8141B

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-465-111	**Solid**	**GC 35**	**03/30/12**	**03/30/12**	**120330L06**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	4.000	96	92	30-130	13-147	4	0-30	
Bolstar	4.000	99	96	30-130	13-147	3	0-30	
Chlorpyrifos	4.000	94	86	30-130	13-147	10	0-30	
Coumaphos	4.000	98	93	30-130	13-147	5	0-30	
Diazinon	4.000	109	93	30-130	13-147	16	0-30	
Disulfoton	4.000	111	95	30-130	13-147	16	0-30	
Ethoprop	4.000	112	101	30-130	13-147	10	0-30	
Fensulfothion	4.000	102	100	30-130	13-147	2	0-30	
Fenthion	4.000	99	91	30-130	13-147	8	0-30	
Merphos	4.000	99	94	30-130	13-147	5	0-30	
Methyl Parathion	4.000	99	89	30-130	13-147	11	0-30	
Phorate	4.000	114	98	30-130	13-147	14	0-30	
Ronnel	4.000	94	85	30-130	13-147	11	0-30	
Stirophos	4.000	86	80	30-130	13-147	7	0-30	
Tokuthion	4.000	92	86	30-130	13-147	7	0-30	
Trichloronate	4.000	93	85	30-130	13-147	9	0-30	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 12-03-1821

Project: Rincon Mushroom Farm

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
Chloride	EPA 300.0	099-12-906-2,578	N/A	03/27/12	97	97	90-110	0	0-15	
Nitrate (as N)	EPA 300.0	099-12-906-2,578	N/A	03/27/12	95	96	90-110	1	0-15	
Sulfate	EPA 300.0	099-12-906-2,578	N/A	03/27/12	97	97	90-110	1	0-15	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-03-1821

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

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

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KIFF Analytical LLC

2795 Second Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4808

Calscience
7440 Lincoln Way
Garden Grove, CA 92841-1427
714-895-5494

COC No. **80795**

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Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Jennifer Worsley

EDF Report? NO

Company/Address: Kiff Analytical

Phone No.: 530-297-4800

FAX No.: 530-297-4808

Project Number:

P.O. No.: 80795

Project Name: Rincon Mushroom Farm

Project Address:

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

Deliverables to (Email Address): inbox@kiffanalytical.com

Due Date: April 3, 2012

Sample Designation	Sampling Date	Sampling Time	1-L Amber None	8 Oz. Glass None	1-L Poly None	250ml Poly HNO3	125ml Poly Na2S2O	Sleeve None	Soil	Water	Anions by EPA 300.0 SUB (1)	Coliforms by SM9221 (1)	General Minerals	Herbicides by EPA 8151A	Hold Sub	Organochlorine Pesticides	Organophosphorus Pesticides	Semi-Volatile Organics by EPA 8270	April 3, 2012	For Lab Use Only
B-20@15'	03/26/12	13:00						1	x						x				x	
B-23@13'	03/26/12	17:05						1	x						x				x	
B-24@9'	03/27/12	08:20		1				1	X			X		X		X	X	X	X	3
B-22@9'	03/27/12	10:20		1				1	X			X		X		X	X	X	X	4
B-19@15'	03/26/12	15:24						1	x						x				x	
B-21@15'	03/26/12	10:40						1	x						x				x	
B-25@9'	03/27/12	12:10		1				1	X			X							X	7
B-25	03/27/12	13:25	4		2	1	1			x	x	x							x	
B-22	03/27/12	10:55	4		2	1	1			x		x	x	x		x	x	x	x	
B-24	03/27/12	09:00	4		2	1	1			x		x	x	x		x	x	x	x	

Relinquished by:	Date	Time	Received by:
Kiff Analytical	032912	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	3/30/12	0900	

Remarks: Please refer to attached Test Detail.General Minerals: total alkalinity, bicarbonate as CaCO3, chloride, Nitrate as N, Sulfate as SO4, TDS, Ca, Mg, K, and Na.

Bill to: Accounts Payable

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KIFF Analytical LLC

2795 Second Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4808

Calscience
7440 Lincoln Way
Garden Grove, CA 92841-1427
714-895-5494

12-03-1821

COC No. 80795 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Jennifer Worsley

EDF Report? NO

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

Deliverables to (Email Address): inbox@kiffanalytical.com

Company/Address: Kiff Analytical

Phone No.: 530-297-4800 FAX No.: 530-297-4808

Project Number: P.O. No.: 80795

Project Name: Rincon Mushroom Farm

Project Address:

Due Date: April 3, 2012

Sample Designation	Sampling Date	Sampling Time	1-L Amber None	1-L Poly None	250ml Poly HNO3	125ml Poly Na2S2O	Sleeve None	Soil	Water	Coliforms by SM9221 (1)	General Minerals	Herbicides by EPA 8151A	Hold Sub	Organochlorine Pesticides (EPA 8081A)	Organophosphorus Pesticides(EPA 8141A)	Semi-Volatile Organics by EPA 8270	For Lab Use Only
B-20@15'	03/26/12	13:00					1	X					X				1
B-23@13'	03/26/12	17:05					1	X					X				2
B-24@9'	03/27/12	08:20					1	X		X		X		X	X	X	3
B-22@9'	03/27/12	10:20					1	X		X		X		X	X	X	4
B-19@15'	03/26/12	15:24					1	X					X				5
B-21@15'	03/26/12	10:40					1	X					X				6
B-25@9'	03/27/12	12:10					1	X		X		X		X	X	X	7
B-25	03/27/12	13:25	4	2	1	1			X	X	X	X		X	X	X	8
B-22	03/27/12	10:55	4	2	1	1			X	X	X	X		X	X	X	9
B-24	03/27/12	09:00	4	2	1	1			X	X	X	X		X	X	X	10

Relinquished by	Date	Time	Received by
Kiff Analytical Rep	3/27/12	15:58	
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by Laboratory
	3/27/12	1558	

Remarks: Please refer to attached Test Detail.General Minerals: total alkalinity, bicarbonate as CaCO3, chloride, Nitrate as N, Sulfate as SO4, TDS, Ca, Mg, K, and Na.

Bill to: Accounts Payable

KIFF ANALYTICAL 5302974902 03/27/2012 14:14 PAGE 01/02

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Test Detail for Kiff Work Order: 80795

Anions by EPA 300.0 SUB (1)
Chloride
Nitrate as N
Sulfate

Coliforms by SM9221 (1)
E. Coli
Fecal Coliforms
Total Coliforms

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OnTrac
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800.334.5000
ontrac.com

D10010463823322

Date Printed 3/29/2012

Tracking#D10010463823322

1821

Shipped From:
KIFF ANALYTICAL
2795 2ND STREET 300
DAVIS, CA 95616

Sent By: SAMPLE RECEIVING
Phone#: (530)297-4800
wgt(lbs): 1
Reference: SUB SRG SAMPLES
Reference 2:

Ship To Company:	*Service:* **S**
CALSCIENCE ENVIRONMENTAL **7440 LINCOLN WAY** **GARDEN GROVE, CA 92841** **RECEIVING (714)895-5494** **B10207210772**	*Sort Code:* **ORG** *Special Services:* **Signature Required**

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-03-1821

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Kiff

DATE: 03/30/12

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.3 °C - 0.3 °C (CF) = 2.0 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: [illegible]

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: [illegible]

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: [illegible]

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☐	☐	☑
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☑8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** YL

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** [illegible]

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** [illegible]

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Amanda Porter

From: Jennifer Worsley [JWorsley@kiffanalytical.com]
Sent: Wednesday, March 28, 2012 11:17 AM
To: Amanda Porter
Subject: Kiff report 80795 (Rincon Mushroom Farm)- Changes

Importance: High

Hi Amanda,

I left you a voicemail for more changes with this project however I misspoke a bit. All analysis is to be put on hold for sample B-25@9' but I said the anions had probably been run too but that sample did not request general minerals so no worries about the anions being run. Please let me know (besides coliforms) if anything else had been started.

To recap so far…

All analysis for sample B-25 has been placed on hold. We are aware that coliforms and anions: chloride, sulfate and nitrate as N has been run.

All analysis for sample B-25@9' is to be placed on hold.

Thanks,
Jennifer Worsley
Account Manager
Kiff Analytical, LLC
Office: 530.297.4800 ext.126
Fax: (530) 297-4808
www.kiffanalytical.com
Leaders in Analytical Science and Service

Certificate #08263CA

Take a look at the latest edition of Kiff Analytical's semi-annual newsletter, "The Courier", available here:
http://www.kiffanalytical.com/courier/current_courier.pdf

As well as Kiff Analytical's monthly bulletin, "The Sampler", available here:
http://www.kiffanalytical.com/sampler/current_sampler.pdf

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Calscience Environmental Laboratories, Inc.

Subcontractor Analysis Report

Work Order # 12-03-1821

One or more samples in this Work Order have tests that were subcontracted. The subcontract report(s) follows.

For subcontracted tests, please reference the laboratory information noted below.

1 Silliker Inc. - Cypress,CA CA ELAP 1534

Microbiology

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SILLIKER
a Mérieux NutriSciences Company

CERTIFICATE OF ANALYSIS

SILLIKER, Inc.
Southern California Laboratory
6360 Gateway Drive, Cypress, CA 90630
Tel. 209/ 549 7508 Fax. 714/ 226 0009

COA No:	SCA-35189484-0
Supersedes:	None
COA Date	3/29/12
Page 1 of 2	

TO:
Ms. Amanda Porter
Project Manager
Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841-1432

Received From:	Garden Grove, CA
Received Date:	3/27/12
P.O.# / ID:	12-03-1821
Location of Test: (except where noted)	Cypress, CA

Analytical Results

Desc. 1: B-24@9'
Desc. 2: Date: 3/27/2012
Desc. 3: Time: 8:20
Desc. 4: Matrix: S
Desc. 5: Project #: 12-03-1821
Laboratory ID: 332012818
Condition Rec'd: NORMAL
Temp Rec'd (°C): 3.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 3 tube MPN	<30	/g	AOAC 966.24	3/29/12	
E. coli - 3 tube MPN	<30	/g	AOAC 966.24	3/29/12	
Fecal Coliforms - 3 tube MPN	<30	/g	CMMEF, 4th ed.	3/29/12	

Desc. 1: B-22@9'
Desc. 2: Date: 3/27/2012
Desc. 3: Time: 10:20
Desc. 4: Matrix: S
Desc. 5: Project #: 12-03-1821
Laboratory ID: 332012824
Condition Rec'd: NORMAL
Temp Rec'd (°C): 3.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 3 tube MPN	<30	/g	AOAC 966.24	3/29/12	
E. coli - 3 tube MPN	<30	/g	AOAC 966.24	3/29/12	
Fecal Coliforms - 3 tube MPN	<30	/g	CMMEF, 4th ed.	3/29/12	

Desc. 1: B-25@9'
Desc. 2: Date: 3/27/2012
Desc. 3: Time: 12:10
Desc. 4: Matrix: S
Desc. 5: Project #: 12-03-1821
Laboratory ID: 332012826
Condition Rec'd: NORMAL
Temp Rec'd (°C): 3.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 3 tube MPN	<30	/g	AOAC 966.24	3/29/12	
E. coli - 3 tube MPN	<30	/g	AOAC 966.24	3/29/12	
Fecal Coliforms - 3 tube MPN	<30	/g	CMMEF, 4th ed.	3/29/12	

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SILLIKER
a Mérieux NutriSciences Company

CERTIFICATE OF ANALYSIS

SILLIKER, Inc.
Southern California Laboratory
6360 Gateway Drive, Cypress, CA 90630
Tel. 209/ 549 7508 Fax. 714/ 226 0009

COA No:	SCA-35189484-0
Supersedes:	None
COA Date	3/29/12
Page 2 of 2	

TO:
Ms. Amanda Porter
Project Manager
Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841-1432

Received From:	Garden Grove, CA
Received Date:	3/27/12
P.O.# / ID:	12-03-1821
Location of Test: (except where noted)	Cypress, CA

Analytical Results

Desc. 1: Sample ID: B-25
Desc. 2: Date: 3/27/2012
Desc. 3: Time: 13:25
Desc. 4: Matrix: W
Desc. 5: Project #: 12-03-1821
Laboratory ID: 332012830
Condition Rec'd: NORMAL
Temp Rec'd (°C): 3.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	
E. coli - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	
Fecal Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	

Desc. 1: Sample ID: B-22
Desc. 2: Date: 3/27/2012
Desc. 3: Time: 10:55
Desc. 4: Matrix: W
Desc. 5: Project #: 12-03-1821
Laboratory ID: 332012832
Condition Rec'd: NORMAL
Temp Rec'd (°C): 3.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	
E. coli - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	
Fecal Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	

Desc. 1: Sample ID: B-24
Desc. 2: Date: 3/27/2012
Desc. 3: Time: 9:00
Desc. 4: Matrix: W
Desc. 5: Project #: 12-03-1821
Laboratory ID: 332012833
Condition Rec'd: NORMAL
Temp Rec'd (°C): 3.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	
E. coli - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	
Fecal Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/29/12	

Jorge Hernandez — Laboratory Director

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Report Number : 80810

Date : 04/05/2012

Laboratory Results

Steve Lane
Applied Engineering & Geology, Inc.
P. O. Box 247
Lincoln, CA 95648

Subject : 2 Soil Samples and 6 Water Samples
Project Name : Rincon Mushroom Farm
Project Number :

Dear Mr. Lane,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

Report Number : 80810

Date : 04/05/2012

Subject : 2 Soil Samples and 6 Water Samples
Project Name : Rincon Mushroom Farm
Project Number :

Case Narrative

All soil samples were reported on a total weight (wet weight) basis.

The Method Reporting Limit for Cadmium has been increased due to the presence of an interfering element for samples B-30 and B-28.

Matrix Spike/Matrix Spike Duplicate results associated with samples B-28@9' and B-30@9' for the analytes Antimony, Cadmium, Chromium, Copper, Lead, Molybdenum, Silver, Thallium, Vanadium, and Zinc were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Matrix Spike/Matrix Spike Duplicate results associated with samples B-28@9' and B-30@9' for the analytes 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 2+4-Chlorotoluene, Hexachlorobutadiene, Naphthalene, n-butylbenzene, p-isopropyltoluene, sec-butylbenzene, and tert-butylbenzene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-28** Matrix : Water Lab Number : 80810-01

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	**220**	50	ug/L	M EPA 8015	04/04/12 22:06
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil	**140**	100	ug/L	M EPA 8015	04/04/12 22:06
Octacosane (Diesel Surrogate)	111		% Recovery	M EPA 8015	04/04/12 22:06

Sample : **B-30** Matrix : Water Lab Number : 80810-02

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	**92**	50	ug/L	M EPA 8015	04/03/12 02:17
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/03/12 02:17
Octacosane (Diesel Surrogate)	93.6		% Recovery	M EPA 8015	04/03/12 02:17

Sample : **MW-6** Matrix : Water Lab Number : 80810-03

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	**57**	50	ug/L	M EPA 8015	04/03/12 02:47
(Note: Discrete peaks in Diesel range, atypical for Diesel Fuel.)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/03/12 02:47
Octacosane (Diesel Surrogate)	97.8		% Recovery	M EPA 8015	04/03/12 02:47

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-8** Matrix : Water Lab Number : 80810-04

Sample Date :03/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/03/12 03:16
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/03/12 03:16
Octacosane (Diesel Surrogate)	92.3		% Recovery	M EPA 8015	04/03/12 03:16

Sample : **MW-9** Matrix : Water Lab Number : 80810-05

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/03/12 03:45
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/03/12 03:45
Octacosane (Diesel Surrogate)	85.0		% Recovery	M EPA 8015	04/03/12 03:45

Sample : **EW-2** Matrix : Water Lab Number : 80810-06

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/03/12 04:14
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/03/12 04:14
Octacosane (Diesel Surrogate)	89.0		% Recovery	M EPA 8015	04/03/12 04:14

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-28@9'** Matrix : Soil Lab Number : 80810-07

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	04/03/12 21:32
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	04/03/12 21:32
Octacosane (Diesel Surrogate)	84.6		% Recovery	M EPA 8015	04/03/12 21:32

Sample : **B-30@9'** Matrix : Soil Lab Number : 80810-08

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	04/03/12 22:01
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	04/03/12 22:01
Octacosane (Diesel Surrogate)	83.4		% Recovery	M EPA 8015	04/03/12 22:01

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Sample : **B-28**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-01

Matrix : Water Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 12:50
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	04/03/12 12:50
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	04/03/12 12:50
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	04/03/12 12:50
Tert-Butanol	< 5.0	5.0	ug/L	04/03/12 12:50
Methanol	< 50	50	ug/L	04/03/12 12:50
Ethanol	< 5.0	5.0	ug/L	04/03/12 12:50
TPH as Gasoline	< 50	50	ug/L	04/03/12 12:50
Dichlorodifluoromethane	< 0.50	0.50	ug/L	04/03/12 12:50
Chloromethane	< 0.50	0.50	ug/L	04/03/12 12:50
Vinyl Chloride	< 0.50	0.50	ug/L	04/03/12 12:50
Bromomethane	< 20	20	ug/L	04/03/12 12:50
Chloroethane	< 0.50	0.50	ug/L	04/03/12 12:50
Trichlorofluoromethane	< 0.50	0.50	ug/L	04/03/12 12:50
1,1-Dichloroethene	< 0.50	0.50	ug/L	04/03/12 12:50
Methylene Chloride	< 5.0	5.0	ug/L	04/03/12 12:50
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	04/03/12 12:50
1,1-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 12:50
2,2-Dichloropropane	< 0.50	0.50	ug/L	04/03/12 12:50
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	04/03/12 12:50
Chloroform	< 0.50	0.50	ug/L	04/03/12 12:50
Bromochloromethane	< 0.50	0.50	ug/L	04/03/12 12:50
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	04/03/12 12:50
1,1-Dichloropropene	< 0.50	0.50	ug/L	04/03/12 12:50
1,2-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 12:50
Carbon Tetrachloride	< 0.50	0.50	ug/L	04/03/12 12:50
Benzene	**0.61**	0.50	ug/L	04/03/12 12:50
Trichloroethene	< 0.50	0.50	ug/L	04/03/12 12:50
1,2-Dichloropropane	< 0.50	0.50	ug/L	04/03/12 12:50
Bromodichloromethane	< 0.50	0.50	ug/L	04/03/12 12:50
Dibromomethane	< 0.50	0.50	ug/L	04/03/12 12:50
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	04/03/12 12:50
Toluene	< 0.50	0.50	ug/L	04/03/12 12:50

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Sample : **B-28**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-01

Matrix : Water Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	04/03/12 12:50
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	04/03/12 12:50
1,3-Dichloropropane	< 0.50	0.50	ug/L	04/03/12 12:50
Tetrachloroethene	< 0.50	0.50	ug/L	04/03/12 12:50
Dibromochloromethane	< 0.50	0.50	ug/L	04/03/12 12:50
1,2-Dibromoethane	< 0.50	0.50	ug/L	04/03/12 12:50
Chlorobenzene	< 0.50	0.50	ug/L	04/03/12 12:50
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	04/03/12 12:50
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 12:50
P,M-Xylene	< 1.0	1.0	ug/L	04/03/12 12:50
O-Xylene	< 0.50	0.50	ug/L	04/03/12 12:50
Styrene	< 0.50	0.50	ug/L	04/03/12 12:50
Isopropyl benzene	< 0.50	0.50	ug/L	04/03/12 12:50
Bromoform	< 0.50	0.50	ug/L	04/03/12 12:50
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	04/03/12 12:50
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	04/03/12 12:50
n-Propylbenzene	< 0.50	0.50	ug/L	04/03/12 12:50
Bromobenzene	< 0.50	0.50	ug/L	04/03/12 12:50
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	04/03/12 12:50
2+4-Chlorotoluene	< 1.0	1.0	ug/L	04/03/12 12:50
tert-Butylbenzene	< 0.50	0.50	ug/L	04/03/12 12:50
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	04/03/12 12:50
sec-Butylbenzene	< 0.50	0.50	ug/L	04/03/12 12:50
p-Isopropyltoluene	< 0.50	0.50	ug/L	04/03/12 12:50
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	04/03/12 12:50
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	04/03/12 12:50
n-Butylbenzene	< 0.50	0.50	ug/L	04/03/12 12:50
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	04/03/12 12:50
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	04/03/12 12:50
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	04/03/12 12:50
Hexachlorobutadiene	< 0.50	0.50	ug/L	04/03/12 12:50
Naphthalene	< 0.50	0.50	ug/L	04/03/12 12:50
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	04/03/12 12:50
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	04/03/12 12:50

Report Number : 80810

Date : 04/05/2012

Sample : **B-28**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-01

Matrix : Water Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
4-Bromofluorobenzene (Surr)	95.7		% Recovery	04/03/12 12:50
Toluene - d8 (Surr)	99.5		% Recovery	04/03/12 12:50

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Sample : **B-30**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-02

Matrix : Water Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 12:17
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	04/03/12 12:17
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	04/03/12 12:17
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	04/03/12 12:17
Tert-Butanol	< 5.0	5.0	ug/L	04/03/12 12:17
Methanol	< 50	50	ug/L	04/03/12 12:17
Ethanol	< 5.0	5.0	ug/L	04/03/12 12:17
TPH as Gasoline	< 50	50	ug/L	04/03/12 12:17
Dichlorodifluoromethane	< 0.50	0.50	ug/L	04/03/12 12:17
Chloromethane	< 0.50	0.50	ug/L	04/03/12 12:17
Vinyl Chloride	< 0.50	0.50	ug/L	04/03/12 12:17
Bromomethane	< 20	20	ug/L	04/03/12 12:17
Chloroethane	< 0.50	0.50	ug/L	04/03/12 12:17
Trichlorofluoromethane	< 0.50	0.50	ug/L	04/03/12 12:17
1,1-Dichloroethene	< 0.50	0.50	ug/L	04/03/12 12:17
Methylene Chloride	< 5.0	5.0	ug/L	04/03/12 12:17
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	04/03/12 12:17
1,1-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 12:17
2,2-Dichloropropane	< 0.50	0.50	ug/L	04/03/12 12:17
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	04/03/12 12:17
Chloroform	< 0.50	0.50	ug/L	04/03/12 12:17
Bromochloromethane	< 0.50	0.50	ug/L	04/03/12 12:17
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	04/03/12 12:17
1,1-Dichloropropene	< 0.50	0.50	ug/L	04/03/12 12:17
1,2-Dichloroethane	< 0.50	0.50	ug/L	04/03/12 12:17
Carbon Tetrachloride	< 0.50	0.50	ug/L	04/03/12 12:17
Benzene	< 0.50	0.50	ug/L	04/03/12 12:17
Trichloroethene	< 0.50	0.50	ug/L	04/03/12 12:17
1,2-Dichloropropane	< 0.50	0.50	ug/L	04/03/12 12:17
Bromodichloromethane	< 0.50	0.50	ug/L	04/03/12 12:17
Dibromomethane	< 0.50	0.50	ug/L	04/03/12 12:17
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	04/03/12 12:17
Toluene	< 0.50	0.50	ug/L	04/03/12 12:17

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Sample : **B-30**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-02

Matrix : Water Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	04/03/12 12:17
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	04/03/12 12:17
1,3-Dichloropropane	< 0.50	0.50	ug/L	04/03/12 12:17
Tetrachloroethene	< 0.50	0.50	ug/L	04/03/12 12:17
Dibromochloromethane	< 0.50	0.50	ug/L	04/03/12 12:17
1,2-Dibromoethane	< 0.50	0.50	ug/L	04/03/12 12:17
Chlorobenzene	< 0.50	0.50	ug/L	04/03/12 12:17
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	04/03/12 12:17
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 12:17
P,M-Xylene	< 1.0	1.0	ug/L	04/03/12 12:17
O-Xylene	< 0.50	0.50	ug/L	04/03/12 12:17
Styrene	< 0.50	0.50	ug/L	04/03/12 12:17
Isopropyl benzene	< 0.50	0.50	ug/L	04/03/12 12:17
Bromoform	< 0.50	0.50	ug/L	04/03/12 12:17
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	04/03/12 12:17
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	04/03/12 12:17
n-Propylbenzene	< 0.50	0.50	ug/L	04/03/12 12:17
Bromobenzene	< 0.50	0.50	ug/L	04/03/12 12:17
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	04/03/12 12:17
2+4-Chlorotoluene	< 1.0	1.0	ug/L	04/03/12 12:17
tert-Butylbenzene	< 0.50	0.50	ug/L	04/03/12 12:17
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	04/03/12 12:17
sec-Butylbenzene	< 0.50	0.50	ug/L	04/03/12 12:17
p-Isopropyltoluene	< 0.50	0.50	ug/L	04/03/12 12:17
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	04/03/12 12:17
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	04/03/12 12:17
n-Butylbenzene	< 0.50	0.50	ug/L	04/03/12 12:17
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	04/03/12 12:17
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	04/03/12 12:17
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	04/03/12 12:17
Hexachlorobutadiene	< 0.50	0.50	ug/L	04/03/12 12:17
Naphthalene	< 0.50	0.50	ug/L	04/03/12 12:17
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	04/03/12 12:17
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	04/03/12 12:17

Report Number : 80810

Date : 04/05/2012

Sample : **B-30**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-02

Matrix : Water Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
4-Bromofluorobenzene (Surr)	92.5		% Recovery	04/03/12 12:17
Toluene - d8 (Surr)	98.6		% Recovery	04/03/12 12:17

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Sample : **MW-6**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-03

Matrix : Water Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/02/12 11:38
Toluene	< 0.50	0.50	ug/L	04/02/12 11:38
Ethylbenzene	< 0.50	0.50	ug/L	04/02/12 11:38
Total Xylenes	< 0.50	0.50	ug/L	04/02/12 11:38
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/02/12 11:38
TPH as Gasoline	< 50	50	ug/L	04/02/12 11:38
1,2-Dichloroethane-d4 (Surr)	98.7		% Recovery	04/02/12 11:38
Toluene - d8 (Surr)	99.2		% Recovery	04/02/12 11:38

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Sample : **MW-8**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-04

Matrix : Water Sample Date :03/27/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/02/12 13:54
Toluene	< 0.50	0.50	ug/L	04/02/12 13:54
Ethylbenzene	< 0.50	0.50	ug/L	04/02/12 13:54
Total Xylenes	< 0.50	0.50	ug/L	04/02/12 13:54
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/02/12 13:54
TPH as Gasoline	< 50	50	ug/L	04/02/12 13:54
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	04/02/12 13:54
Toluene - d8 (Surr)	99.8		% Recovery	04/02/12 13:54

Report Number : 80810

Date : 04/05/2012

Sample : **MW-9**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-05

Matrix : Water Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/02/12 14:28
Toluene	< 0.50	0.50	ug/L	04/02/12 14:28
Ethylbenzene	< 0.50	0.50	ug/L	04/02/12 14:28
Total Xylenes	< 0.50	0.50	ug/L	04/02/12 14:28
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/02/12 14:28
TPH as Gasoline	< 50	50	ug/L	04/02/12 14:28
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	04/02/12 14:28
Toluene - d8 (Surr)	99.7		% Recovery	04/02/12 14:28

Report Number : 80810

Date : 04/05/2012

Sample : **EW-2**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-06

Matrix : Water Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	04/03/12 05:36
Toluene	< 0.50	0.50	ug/L	04/03/12 05:36
Ethylbenzene	< 0.50	0.50	ug/L	04/03/12 05:36
Total Xylenes	< 0.50	0.50	ug/L	04/03/12 05:36
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	04/03/12 05:36
TPH as Gasoline	< 50	50	ug/L	04/03/12 05:36
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	04/03/12 05:36
Toluene - d8 (Surr)	99.6		% Recovery	04/03/12 05:36

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Sample : **B-28@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-07

Matrix : Soil Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Tert-Butanol	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Methanol	< 0.20	0.20	mg/Kg	04/04/12 11:07
Ethanol	< 0.050	0.050	mg/Kg	04/04/12 11:07
TPH as Gasoline	< 1.0	1.0	mg/Kg	04/04/12 11:07
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Chloromethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Bromomethane	< 0.020	0.020	mg/Kg	04/04/12 11:07
Chloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Methylene Chloride	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Chloroform	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Bromochloromethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Benzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Trichloroethene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Dibromomethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Toluene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Sample : **B-28@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-07

Matrix : Soil Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Chlorobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Ethylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
P,M-Xylene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
O-Xylene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Styrene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Bromoform	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Bromobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
Naphthalene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 11:07
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	04/04/12 11:07

Report Number : 80810

Date : 04/05/2012

Sample : **B-28@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-07

Matrix : Soil Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
4-Bromofluorobenzene (Surr)	96.6		% Recovery	04/04/12 11:07
Toluene - d8 (Surr)	99.1		% Recovery	04/04/12 11:07

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Sample : **B-30@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-08

Matrix : Soil Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Tert-Butanol	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Methanol	< 0.20	0.20	mg/Kg	04/04/12 14:48
Ethanol	**0.10**	0.050	mg/Kg	04/04/12 14:48
TPH as Gasoline	< 1.0	1.0	mg/Kg	04/04/12 14:48
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Chloromethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Bromomethane	< 0.020	0.020	mg/Kg	04/04/12 14:48
Chloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Methylene Chloride	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Chloroform	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Bromochloromethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Benzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Trichloroethene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Dibromomethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Toluene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Sample : **B-30@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-08

Matrix : Soil Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Chlorobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Ethylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
P,M-Xylene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
O-Xylene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Styrene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Bromoform	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Bromobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
Naphthalene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	04/04/12 14:48
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	04/04/12 14:48

Report Number : 80810

Date : 04/05/2012

Sample : **B-30@9'**

Project Name : **Rincon Mushroom Farm**

Project Number : Lab Number : 80810-08

Matrix : Soil Sample Date :03/28/2012 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
4-Bromofluorobenzene (Surr)	96.6		% Recovery	04/04/12 14:48
Toluene - d8 (Surr)	99.8		% Recovery	04/04/12 14:48

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-28** Matrix : Water Lab Number : 80810-01

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Mercury	< 0.00050	0.00050	mg/L	EPA 7470A	04/02/12 12:33
Antimony	< 0.015	0.015	mg/L	EPA 6010B	04/03/12 15:09
Arsenic	**0.12**	0.015	mg/L	EPA 6010B	04/03/12 15:09
Barium	**12**	0.010	mg/L	EPA 6010B	04/03/12 15:09
Beryllium	**0.021**	0.0010	mg/L	EPA 6010B	04/03/12 15:09
Cadmium	< 0.010	0.010	mg/L	EPA 6010B	04/03/12 15:09
Chromium	**1.6**	0.0050	mg/L	EPA 6010B	04/03/12 15:09
Cobalt	**0.40**	0.0050	mg/L	EPA 6010B	04/03/12 15:09
Copper	**2.2**	0.0050	mg/L	EPA 6010B	04/03/12 15:09
Lead	**0.17**	0.025	mg/L	EPA 6010B	04/03/12 17:26
Molybdenum	**0.025**	0.0050	mg/L	EPA 6010B	04/03/12 15:09
Nickel	**0.55**	0.0050	mg/L	EPA 6010B	04/03/12 15:09
Selenium	< 0.015	0.015	mg/L	EPA 6010B	04/03/12 15:09
Silver	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/12 15:09
Thallium	< 0.015	0.015	mg/L	EPA 6010B	04/03/12 15:09
Vanadium	**3.1**	0.0050	mg/L	EPA 6010B	04/03/12 15:09
Zinc	**3.1**	0.010	mg/L	EPA 6010B	04/03/12 15:09

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-30** Matrix : Water Lab Number : 80810-02

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Mercury	< 0.00050	0.00050	mg/L	EPA 7470A	04/02/12 12:35
Antimony	< 0.015	0.015	mg/L	EPA 6010B	04/03/12 15:14
Arsenic	**0.033**	0.015	mg/L	EPA 6010B	04/03/12 15:14
Barium	**3.2**	0.010	mg/L	EPA 6010B	04/03/12 15:14
Beryllium	**0.0044**	0.0010	mg/L	EPA 6010B	04/03/12 15:14
Cadmium	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/12 15:14
Chromium	**0.52**	0.0050	mg/L	EPA 6010B	04/03/12 15:14
Cobalt	**0.11**	0.0050	mg/L	EPA 6010B	04/03/12 15:14
Copper	**0.38**	0.0050	mg/L	EPA 6010B	04/03/12 15:14
Lead	**0.037**	0.025	mg/L	EPA 6010B	04/03/12 17:22
Molybdenum	**0.032**	0.0050	mg/L	EPA 6010B	04/03/12 15:14
Nickel	**0.13**	0.0050	mg/L	EPA 6010B	04/03/12 15:14
Selenium	< 0.015	0.015	mg/L	EPA 6010B	04/03/12 15:14
Silver	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/12 15:14
Thallium	< 0.015	0.015	mg/L	EPA 6010B	04/03/12 15:14
Vanadium	**0.86**	0.0050	mg/L	EPA 6010B	04/03/12 15:14
Zinc	**0.91**	0.010	mg/L	EPA 6010B	04/03/12 15:14

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-28@9'** Matrix : Soil Lab Number : 80810-07

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Antimony	< 0.75	0.75	mg/Kg	EPA 6010B	04/04/12 14:48
Arsenic	< 0.75	0.75	mg/Kg	EPA 6010B	04/04/12 17:13
Barium	**67**	0.50	mg/Kg	EPA 6010B	04/04/12 14:48
Beryllium	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/12 14:48
Cadmium	< 0.50	0.50	mg/Kg	EPA 6010B	04/04/12 14:48
Chromium	**7.2**	0.25	mg/Kg	EPA 6010B	04/04/12 14:48
Cobalt	**2.5**	0.25	mg/Kg	EPA 6010B	04/04/12 14:48
Copper	**5.4**	0.50	mg/Kg	EPA 6010B	04/04/12 14:48
Lead	**0.80**	0.50	mg/Kg	EPA 6010B	04/04/12 14:48
Molybdenum	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/12 14:48
Nickel	**2.8**	0.25	mg/Kg	EPA 6010B	04/04/12 14:48
Selenium	< 0.75	0.75	mg/Kg	EPA 6010B	04/04/12 14:48
Silver	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/12 14:48
Thallium	< 0.75	0.75	mg/Kg	EPA 6010B	04/04/12 14:48
Vanadium	**21**	0.25	mg/Kg	EPA 6010B	04/04/12 14:48
Zinc	**21**	1.0	mg/Kg	EPA 6010B	04/04/12 14:48
Mercury	< 0.050	0.050	mg/Kg	EPA 7471A	04/04/12 14:12

KIFF Analytical LLC

Report Number : 80810

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-30@9'** Matrix : Soil Lab Number : 80810-08

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Antimony	< 0.75	0.75	mg/Kg	EPA 6010B	04/04/12 14:52
Arsenic	< 0.75	0.75	mg/Kg	EPA 6010B	04/04/12 17:17
Barium	**88**	0.50	mg/Kg	EPA 6010B	04/04/12 14:52
Beryllium	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/12 14:52
Cadmium	< 0.50	0.50	mg/Kg	EPA 6010B	04/04/12 14:52
Chromium	**7.6**	0.25	mg/Kg	EPA 6010B	04/04/12 14:52
Cobalt	**3.2**	0.25	mg/Kg	EPA 6010B	04/04/12 14:52
Copper	**5.6**	0.50	mg/Kg	EPA 6010B	04/04/12 14:52
Lead	**0.74**	0.50	mg/Kg	EPA 6010B	04/04/12 14:52
Molybdenum	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/12 14:52
Nickel	**3.1**	0.25	mg/Kg	EPA 6010B	04/04/12 14:52
Selenium	< 0.75	0.75	mg/Kg	EPA 6010B	04/04/12 14:52
Silver	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/12 14:52
Thallium	< 0.75	0.75	mg/Kg	EPA 6010B	04/04/12 14:52
Vanadium	**24**	0.25	mg/Kg	EPA 6010B	04/04/12 14:52
Zinc	**19**	1.0	mg/Kg	EPA 6010B	04/04/12 14:52
Mercury	< 0.050	0.050	mg/Kg	EPA 7471A	04/04/12 14:16

Report Number : 80810

Date : 04/05/2012

QC Report : Method Blank Data

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Mercury	< 0.00050	0.00050	mg/L	EPA 7470A	04/02/2012
Antimony	< 0.75	0.75	mg/Kg	EPA 6010B	04/04/2012
Barium	< 0.50	0.50	mg/Kg	EPA 6010B	04/04/2012
Beryllium	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/2012
Cadmium	< 0.50	0.50	mg/Kg	EPA 6010B	04/04/2012
Chromium	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/2012
Cobalt	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/2012
Copper	< 0.50	0.50	mg/Kg	EPA 6010B	04/04/2012
Lead	< 0.50	0.50	mg/Kg	EPA 6010B	04/04/2012
Molybdenum	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/2012
Nickel	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/2012
Selenium	< 0.75	0.75	mg/Kg	EPA 6010B	04/04/2012
Silver	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/2012
Thallium	< 0.75	0.75	mg/Kg	EPA 6010B	04/04/2012
Vanadium	< 0.25	0.25	mg/Kg	EPA 6010B	04/04/2012
Zinc	< 1.0	1.0	mg/Kg	EPA 6010B	04/04/2012
Arsenic	< 0.75	0.75	mg/Kg	EPA 6010B	04/04/2012
Mercury	< 0.050	0.050	mg/Kg	EPA 7471A	04/04/2012
Antimony	< 0.015	0.015	mg/L	EPA 6010B	04/03/2012
Arsenic	< 0.015	0.015	mg/L	EPA 6010B	04/03/2012
Barium	< 0.010	0.010	mg/L	EPA 6010B	04/03/2012
Beryllium	< 0.0010	0.0010	mg/L	EPA 6010B	04/03/2012
Cadmium	< 0.010	0.010	mg/L	EPA 6010B	04/03/2012
Chromium	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Cobalt	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Copper	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Lead	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Molybdenum	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Nickel	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Selenium	< 0.015	0.015	mg/L	EPA 6010B	04/03/2012
Silver	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Thallium	< 0.015	0.015	mg/L	EPA 6010B	04/03/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Vanadium	< 0.0050	0.0050	mg/L	EPA 6010B	04/03/2012
Zinc	< 0.010	0.010	mg/L	EPA 6010B	04/03/2012
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/02/2012
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/02/2012
Octacosane (Diesel Surrogate)	93.8		%	M EPA 8015	04/02/2012
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	04/03/2012
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	04/03/2012
Octacosane (Diesel Surrogate)	83.4		%	M EPA 8015	04/03/2012
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/04/2012
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/04/2012
Octacosane (Diesel Surrogate)	91.4		%	M EPA 8015	04/04/2012
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	04/03/2012
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	04/03/2012
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/03/2012
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Chloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Bromomethane	< 0.020	0.020	mg/Kg	EPA 8260B	04/03/2012
Chloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Methylene Chloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Method Blank Data

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Chloroform	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Bromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Trichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Dibromomethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Chlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
P,M-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
O-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Styrene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Bromoform	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Bromobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/03/2012
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	04/03/2012
4-Bromofluorobenzene (Surr)	97.3		%	EPA 8260B	04/03/2012
Toluene - d8 (Surr)	99.7		%	EPA 8260B	04/03/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/03/2012
Methanol	< 50	50	ug/L	EPA 8260B	04/03/2012
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	04/03/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/03/2012
Dichlorodifluoromethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Bromomethane	< 20	20	ug/L	EPA 8260B	04/03/2012
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B	04/03/2012
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
2,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012

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Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Chloroform	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Bromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,1-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Dibromomethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,3-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
P,M-Xylene	< 1.0	1.0	ug/L	EPA 8260B	04/03/2012
O-Xylene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Styrene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Isopropyl benzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Bromoform	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
n-Propylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Bromobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
2+4-Chlorotoluene	< 1.0	1.0	ug/L	EPA 8260B	04/03/2012
tert-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
sec-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
p-Isopropyltoluene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
n-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Hexachlorobutadiene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	04/03/2012
4-Bromofluorobenzene (Surr)	92.8		%	EPA 8260B	04/03/2012
Toluene - d8 (Surr)	99.8		%	EPA 8260B	04/03/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/02/2012
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	04/02/2012
Toluene - d8 (Surr)	99.6		%	EPA 8260B	04/02/2012

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Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/02/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/02/2012
1,2-Dichloroethane-d4 (Surr)	99.3		%	EPA 8260B	04/02/2012
Toluene - d8 (Surr)	99.9		%	EPA 8260B	04/02/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

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Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Mercury														
	80775-01	< 0.00050	0.00100	0.00100	0.00095	0.00094	mg/L	EPA 7470A	4/2/12	91.0	90.0	1.05	75-125	20
Antimony														
	80785-01	< 0.015	0.400	0.400	0.332	0.334	mg/L	EPA 6010B	4/3/12	82.3	82.9	0.661	75-125	20
Arsenic														
	80785-01	< 0.015	0.400	0.400	0.404	0.402	mg/L	EPA 6010B	4/3/12	100	99.5	0.496	75-125	20
Barium														
	80785-01	0.26	0.400	0.400	0.656	0.658	mg/L	EPA 6010B	4/3/12	98.3	99.0	0.426	75-125	20
Beryllium														
	80785-01	0.0011	0.400	0.400	0.410	0.416	mg/L	EPA 6010B	4/3/12	102	104	1.26	75-125	20
Cadmium														
	80785-01	< 0.010	0.400	0.400	0.410	0.409	mg/L	EPA 6010B	4/3/12	102	102	0.335	75-125	20
Chromium														
	80785-01	0.090	0.400	0.400	0.491	0.490	mg/L	EPA 6010B	4/3/12	100	99.8	0.286	75-125	20
Cobalt														
	80785-01	0.0056	0.400	0.400	0.409	0.409	mg/L	EPA 6010B	4/3/12	101	101	0.0244	75-125	20
Copper														
	80785-01	0.027	0.400	0.400	0.441	0.445	mg/L	EPA 6010B	4/3/12	104	104	0.813	75-125	20

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Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Lead														
	80785-01	0.0094	0.400	0.400	0.406	0.404	mg/L	EPA 6010B	4/3/12	99.2	98.6	0.666	75-125	20
Molybdenum														
	80785-01	< 0.0050	0.400	0.400	0.407	0.408	mg/L	EPA 6010B	4/3/12	101	101	0.270	75-125	20
Nickel														
	80785-01	0.057	0.400	0.400	0.458	0.458	mg/L	EPA 6010B	4/3/12	100	100	0.0874	75-125	20
Selenium														
	80785-01	< 0.015	0.400	0.400	0.400	0.404	mg/L	EPA 6010B	4/3/12	99.8	101	0.970	75-125	20
Silver														
	80785-01	< 0.0050	0.100	0.100	0.100	0.100	mg/L	EPA 6010B	4/3/12	100	100	0.299	75-125	20
Thallium														
	80785-01	< 0.015	0.400	0.400	0.313	0.307	mg/L	EPA 6010B	4/3/12	78.0	76.6	1.81	75-125	20
Vanadium														
	80785-01	0.062	0.400	0.400	0.445	0.443	mg/L	EPA 6010B	4/3/12	95.8	95.3	0.428	75-125	20
Zinc														
	80785-01	0.050	0.400	0.400	0.461	0.460	mg/L	EPA 6010B	4/3/12	103	102	0.369	75-125	20
1,1,1,2-Tetrachloroethane														
	80795-17	<0.50	40.0	40.0	45.0	44.0	ug/L	EPA 8260B	4/3/12	112	110	2.13	70.0-130	25

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Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,1,1-Trichloroethane														
	80795-17	<0.50	40.0	40.0	43.4	42.0	ug/L	EPA 8260B	4/3/12	108	105	3.25	70.0-130	25
1,1,2,2-Tetrachloroethane														
	80795-17	<0.50	40.0	40.0	45.4	44.4	ug/L	EPA 8260B	4/3/12	114	111	2.15	80-121	25
1,1,2-Trichloroethane														
	80795-17	<0.50	40.0	40.0	43.1	41.3	ug/L	EPA 8260B	4/3/12	108	103	4.26	70.0-130	25
1,1-Dichloroethane														
	80795-17	<0.50	40.0	40.0	42.9	42.2	ug/L	EPA 8260B	4/3/12	107	106	1.49	76.5-120	25
1,1-Dichloroethene														
	80795-17	<0.50	40.0	40.0	42.6	41.2	ug/L	EPA 8260B	4/3/12	106	103	3.26	69.6-124	25
1,1-Dichloropropene														
	80795-17	<0.50	40.0	40.0	42.6	40.8	ug/L	EPA 8260B	4/3/12	106	102	4.32	70.0-130	25
1,2,3-Trichlorobenzene														
	80795-17	<0.50	40.0	40.0	43.0	43.0	ug/L	EPA 8260B	4/3/12	108	108	0.00888	70.0-130	25
1,2,3-Trichloropropane														
	80795-17	<0.50	40.0	40.0	43.4	42.6	ug/L	EPA 8260B	4/3/12	108	107	1.81	70.0-130	25
1,2,4-Trichlorobenzene														
	80795-17	<0.50	40.0	40.0	43.8	43.5	ug/L	EPA 8260B	4/3/12	109	109	0.722	70.0-130	25
1,2,4-Trimethylbenzene														
	80795-17	<0.50	40.0	40.0	45.0	43.9	ug/L	EPA 8260B	4/3/12	113	110	2.51	70.0-130	25

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1,2-Dibromoethane														
	80795-17	<0.50	40.2	40.2	45.0	43.9	ug/L	EPA 8260B	4/3/12	112	109	2.50	80-120	25
1,2-Dichlorobenzene														
	80795-17	<0.50	40.0	40.0	42.2	41.4	ug/L	EPA 8260B	4/3/12	106	104	1.90	80-120	25
1,2-Dichloroethane														
	80795-17	<0.50	40.0	40.0	42.6	42.1	ug/L	EPA 8260B	4/3/12	106	105	1.14	75.7-122	25
1,2-Dichloropropane														
	80795-17	<0.50	40.0	40.0	42.8	41.4	ug/L	EPA 8260B	4/3/12	107	104	3.24	80-120	25
1,2-dibromo-3-chloropropane														
	80795-17	<0.50	40.0	40.0	44.6	44.9	ug/L	EPA 8260B	4/3/12	112	112	0.579	70.0-130	25
1,3,5-Trimethylbenzene														
	80795-17	<0.50	40.0	40.0	45.5	44.3	ug/L	EPA 8260B	4/3/12	114	111	2.56	70.0-130	25
1,3-Dichlorobenzene														
	80795-17	<0.50	40.0	40.0	44.2	43.1	ug/L	EPA 8260B	4/3/12	110	108	2.42	79.3-120	25
1,3-Dichloropropane														
	80795-17	<0.50	40.0	40.0	43.0	41.8	ug/L	EPA 8260B	4/3/12	108	104	2.99	70.0-130	25
1,4-Dichlorobenzene														
	80795-17	<0.50	40.0	40.0	42.8	42.2	ug/L	EPA 8260B	4/3/12	107	105	1.42	80-120	25
2+4-Chlorotoluene														
	80795-17	<1.0	80.0	80.0	89.0	87.1	ug/L	EPA 8260B	4/3/12	111	109	2.20	70.0-130	25

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Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
2,2-Dichloropropane														
	80795-17	<0.50	40.0	40.0	41.7	40.0	ug/L	EPA 8260B	4/3/12	104	100	4.04	65.6-145	25
Benzene														
	80795-17	<0.50	40.0	40.0	43.4	42.1	ug/L	EPA 8260B	4/3/12	108	105	2.85	80-120	25
Bromobenzene														
	80795-17	<0.50	40.0	40.0	45.2	43.9	ug/L	EPA 8260B	4/3/12	113	110	2.95	70.0-130	25
Bromochloromethane														
	80795-17	<0.50	40.0	40.0	43.3	42.8	ug/L	EPA 8260B	4/3/12	108	107	1.12	70.0-130	25
Bromodichloromethane														
	80795-17	<0.50	40.0	40.0	43.7	42.7	ug/L	EPA 8260B	4/3/12	109	107	2.23	70.0-130	25
Bromoform														
	80795-17	<0.50	40.0	40.0	45.5	45.2	ug/L	EPA 8260B	4/3/12	114	113	0.605	73.0-142	25
Bromomethane														
	80795-17	<20	200	200	204	218	ug/L	EPA 8260B	4/3/12	102	109	6.54	33.5-140	25
Carbon Tetrachloride														
	80795-17	<0.50	40.0	40.0	43.9	42.1	ug/L	EPA 8260B	4/3/12	110	105	4.07	70.0-130	25
Chlorobenzene														
	80795-17	<0.50	40.0	40.0	42.9	41.5	ug/L	EPA 8260B	4/3/12	107	104	3.32	80-120	25
Chloroethane														
	80795-17	<0.50	40.0	40.0	41.4	40.4	ug/L	EPA 8260B	4/3/12	104	101	2.41	70.0-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Chloroform														
	80795-17	<0.50	40.0	40.0	43.1	42.3	ug/L	EPA 8260B	4/3/12	108	106	1.72	80.0-120	25
Chloromethane														
	80795-17	<0.50	40.0	40.0	46.2	46.5	ug/L	EPA 8260B	4/3/12	115	116	0.664	45.9-142	25
Dibromochloromethane														
	80795-17	<0.50	40.0	40.0	42.7	41.6	ug/L	EPA 8260B	4/3/12	107	104	2.50	70.0-130	25
Dibromomethane														
	80795-17	<0.50	40.0	40.0	43.0	42.5	ug/L	EPA 8260B	4/3/12	108	106	1.27	70.0-130	25
Dichlorodifluoromethane														
	80795-17	<0.50	40.0	40.0	56.0	55.0	ug/L	EPA 8260B	4/3/12	140	137	1.90	47.4-151	25
Diisopropyl ether														
	80795-17	<0.50	39.5	39.5	41.8	42.6	ug/L	EPA 8260B	4/3/12	106	108	1.93	80-120	25
Ethanol														
	80795-17	<5.0	100	100	106	113	ug/L	EPA 8260B	4/3/12	105	113	6.81	55.1-159	25
Ethyl-tert-butyl ether														
	80795-17	<0.50	40.0	40.0	40.8	40.7	ug/L	EPA 8260B	4/3/12	102	102	0.254	76.5-120	25
Ethylbenzene														
	80795-17	<0.50	40.0	40.0	44.8	43.2	ug/L	EPA 8260B	4/3/12	112	108	3.76	80-120	25
Hexachlorobutadiene														
	80795-17	<0.50	40.0	40.0	42.3	41.2	ug/L	EPA 8260B	4/3/12	106	103	2.47	70.0-130	25

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Isopropyl benzene														
	80795-17	<0.50	40.0	40.0	44.2	42.5	ug/L	EPA 8260B	4/3/12	110	106	3.78	70.0-130	25
Methanol														
	80795-17	<50	1000	1000	1100	1100	ug/L	EPA 8260B	4/3/12	110	110	0.102	53.2-147	25
Methyl-t-butyl ether														
	80795-17	<0.50	40.0	40.0	39.2	39.8	ug/L	EPA 8260B	4/3/12	98.0	99.6	1.64	69.7-121	25
Methylene Chloride														
	80795-17	<5.0	40.0	40.0	42.1	41.6	ug/L	EPA 8260B	4/3/12	105	104	1.13	70.0-130	25
Naphthalene														
	80795-17	<0.50	40.0	40.0	46.3	46.0	ug/L	EPA 8260B	4/3/12	116	115	0.713	70.0-130	25
O-Xylene														
	80795-17	<0.50	40.0	40.0	44.5	43.6	ug/L	EPA 8260B	4/3/12	111	109	2.08	79.7-120	25
P + M Xylene														
	80795-17	<1.0	40.0	40.0	44.4	43.0	ug/L	EPA 8260B	4/3/12	111	107	3.34	76.8-120	25
Styrene														
	80795-17	<0.50	40.0	40.0	45.0	43.6	ug/L	EPA 8260B	4/3/12	112	109	3.24	70.0-130	25
Tert-Butanol														
	80795-17	<5.0	201	201	207	208	ug/L	EPA 8260B	4/3/12	103	104	0.424	80-120	25
Tert-amyl-methyl ether														
	80795-17	<0.50	39.4	39.4	42.1	42.4	ug/L	EPA 8260B	4/3/12	107	107	0.709	78.9-120	25

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Tetrachloroethene														
	80795-17	<0.50	40.0	40.0	43.5	42.0	ug/L	EPA 8260B	4/3/12	109	105	3.57	77.0-120	25
Toluene														
	80795-17	<0.50	40.0	40.0	44.0	42.1	ug/L	EPA 8260B	4/3/12	110	105	4.52	80-120	25
Trichloroethene														
	80795-17	<0.50	40.0	40.0	42.7	41.1	ug/L	EPA 8260B	4/3/12	107	103	3.73	80-120	25
Trichlorofluoromethane														
	80795-17	<0.50	40.0	40.0	43.6	42.8	ug/L	EPA 8260B	4/3/12	109	107	1.99	70.0-130	25
Vinyl Chloride														
	80795-17	<0.50	40.0	40.0	44.6	43.6	ug/L	EPA 8260B	4/3/12	111	109	2.28	42.1-138	25
c-1,3-Dichloropropene														
	80795-17	<5.0	40.0	40.0	44.9	44.1	ug/L	EPA 8260B	4/3/12	112	110	1.68	70.0-130	25
cis-1,2-Dichloroethene														
	80795-17	<0.50	40.0	40.0	42.9	42.6	ug/L	EPA 8260B	4/3/12	107	106	0.744	70.0-130	25
n-butylbenzene														
	80795-17	<0.50	40.0	40.0	44.6	43.4	ug/L	EPA 8260B	4/3/12	112	108	2.93	70.0-130	25
n-propylbenzene														
	80795-17	<0.50	40.0	40.0	44.7	43.4	ug/L	EPA 8260B	4/3/12	112	108	2.84	70.0-130	25
p-isopropyltoluene														
	80795-17	<0.50	40.0	40.0	45.9	44.4	ug/L	EPA 8260B	4/3/12	115	111	3.36	70.0-130	25

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sec-butylbenzene														
	80795-17	<0.50	40.0	40.0	44.8	43.2	ug/L	EPA 8260B	4/3/12	112	108	3.84	70.0-130	25
t-1,2-Dichloroethene														
	80795-17	<5.0	40.0	40.0	43.1	42.6	ug/L	EPA 8260B	4/3/12	108	106	1.30	70.0-130	25
t-1,3-Dichloropropene														
	80795-17	<5.0	40.0	40.0	45.0	43.9	ug/L	EPA 8260B	4/3/12	112	110	2.34	70.0-130	25
tert-butylbenzene														
	80795-17	<0.50	40.0	40.0	44.9	43.3	ug/L	EPA 8260B	4/3/12	112	108	3.64	70.0-130	25
Benzene														
	80810-03	<0.50	40.0	40.0	39.9	38.7	ug/L	EPA 8260B	4/2/12	99.8	96.7	3.15	80-120	25
Ethylbenzene														
	80810-03	<0.50	40.0	40.0	41.0	39.2	ug/L	EPA 8260B	4/2/12	102	97.9	4.55	80-120	25
Methyl-t-butyl ether														
	80810-03	<0.50	40.0	40.0	39.3	39.2	ug/L	EPA 8260B	4/2/12	98.3	98.0	0.326	69.7-121	25
P + M Xylene														
	80810-03	<0.50	40.0	40.0	40.7	39.2	ug/L	EPA 8260B	4/2/12	102	98.1	3.68	76.8-120	25
Toluene														
	80810-03	<0.50	40.0	40.0	40.5	39.5	ug/L	EPA 8260B	4/2/12	101	98.6	2.60	80-120	25

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Benzene														
	80847-04	<0.50	40.0	40.0	40.6	39.4	ug/L	EPA 8260B	4/2/12	102	98.5	3.08	80-120	25
Ethylbenzene														
	80847-04	8.4	40.0	40.0	50.8	49.1	ug/L	EPA 8260B	4/2/12	106	102	4.04	80-120	25
Methyl-t-butyl ether														
	80847-04	1.3	40.0	40.0	40.5	40.9	ug/L	EPA 8260B	4/2/12	98.2	99.0	0.844	69.7-121	25
P + M Xylene														
	80847-04	24	40.0	40.0	67.1	65.2	ug/L	EPA 8260B	4/2/12	106	102	4.52	76.8-120	25
Toluene														
	80847-04	0.99	40.0	40.0	42.0	40.7	ug/L	EPA 8260B	4/2/12	102	99.4	3.10	80-120	25
Antimony														
	80860-01	< 0.75	50.0	50.0	4.20	4.42	mg/Kg	EPA 6010B	4/4/12	**8.15**	**8.59**	5.11	75-125	20
Barium														
	80860-01	3.8	50.0	50.0	42.2	43.3	mg/Kg	EPA 6010B	4/4/12	76.8	79.0	2.64	75-125	20
Beryllium														
	80860-01	< 0.25	50.0	50.0	40.0	41.0	mg/Kg	EPA 6010B	4/4/12	80.1	82.0	2.35	75-125	20
Cadmium														
	80860-01	< 0.50	50.0	50.0	35.6	36.7	mg/Kg	EPA 6010B	4/4/12	**71.1**	**73.4**	3.24	75-125	20

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Chromium														
	80860-01	< 0.25	50.0	50.0	33.6	34.4	mg/Kg	EPA 6010B	4/4/12	**67.1**	**68.7**	2.34	75-125	20
Cobalt														
	80860-01	< 0.25	50.0	50.0	37.7	38.6	mg/Kg	EPA 6010B	4/4/12	75.1	76.9	2.27	75-125	20
Copper														
	80860-01	6.3	50.0	50.0	42.3	43.5	mg/Kg	EPA 6010B	4/4/12	**72.0**	**74.4**	2.78	75-125	20
Lead														
	80860-01	< 0.50	50.0	50.0	34.5	35.8	mg/Kg	EPA 6010B	4/4/12	**68.8**	**71.5**	3.79	75-125	20
Molybdenum														
	80860-01	< 0.25	50.0	50.0	23.5	24.7	mg/Kg	EPA 6010B	4/4/12	**47.0**	**49.4**	5.04	75-125	20
Nickel														
	80860-01	< 0.25	50.0	50.0	38.5	39.2	mg/Kg	EPA 6010B	4/4/12	76.4	78.0	1.96	75-125	20
Selenium														
	80860-01	< 0.75	50.0	50.0	38.6	39.3	mg/Kg	EPA 6010B	4/4/12	76.9	78.4	1.90	75-125	20
Silver														
	80860-01	< 0.25	12.5	12.5	9.11	9.37	mg/Kg	EPA 6010B	4/4/12	**72.6**	**74.6**	2.81	75-125	20
Thallium														
	80860-01	< 0.75	50.0	50.0	18.9	20.4	mg/Kg	EPA 6010B	4/4/12	**37.7**	**40.7**	7.65	75-125	20
Vanadium														
	80860-01	< 0.25	50.0	50.0	33.1	34.3	mg/Kg	EPA 6010B	4/4/12	**66.0**	**68.4**	3.49	75-125	20

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Zinc														
	80860-01	1.5	50.0	50.0	38.2	39.4	mg/Kg	EPA 6010B	4/4/12	**73.3**	75.6	3.00	75-125	20
Mercury														
	80810-07	< 0.050	0.100	0.100	0.0978	0.0972	mg/Kg	EPA 7471A	4/4/12	97.8	97.2	0.615	75-125	20
TPH as Diesel														
	BLANK	<50	1000	1000	1020	1050	ug/L	M EPA 8015	4/2/12	102	105	2.26	70-130	25
TPH as Diesel														
	80821-02	16	19.7	19.7	36.7	32.6	mg/Kg	M EPA 8015	4/3/12	102	81.4	22.7	60-140	25
1,1,1,2-Tetrachloroethane														
	80777-05	<0.0050	0.0374	0.0368	0.0307	0.0320	mg/Kg	EPA 8260B	4/3/12	81.9	86.9	5.98	70.0-130	25
1,1,1-Trichloroethane														
	80777-05	<0.0050	0.0374	0.0368	0.0314	0.0326	mg/Kg	EPA 8260B	4/3/12	83.8	88.4	5.31	70.0-130	25
1,1,2,2-Tetrachloroethane														
	80777-05	<0.0050	0.0374	0.0368	0.0278	0.0281	mg/Kg	EPA 8260B	4/3/12	74.4	76.4	2.73	60.7-133	25
1,1,2-Trichloroethane														
	80777-05	<0.0050	0.0374	0.0368	0.0326	0.0341	mg/Kg	EPA 8260B	4/3/12	86.9	92.7	6.43	70.0-130	25

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1,1-Dichloroethane														
	80777-05	<0.0050	0.0374	0.0368	0.0337	0.0349	mg/Kg	EPA 8260B	4/3/12	90.1	94.7	5.02	66.1-120	25
1,1-Dichloroethene														
	80777-05	<0.0050	0.0374	0.0368	0.0352	0.0368	mg/Kg	EPA 8260B	4/3/12	94.0	99.8	5.93	65.9-122	25
1,1-Dichloropropene														
	80777-05	<0.0050	0.0374	0.0368	0.0319	0.0334	mg/Kg	EPA 8260B	4/3/12	85.2	90.6	6.07	70.0-130	25
1,2,3-Trichlorobenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0180	0.0183	mg/Kg	EPA 8260B	4/3/12	**47.9**	**49.8**	3.82	70.0-130	25
1,2,3-Trichloropropane														
	80777-05	<0.0050	0.0374	0.0368	0.0322	0.0327	mg/Kg	EPA 8260B	4/3/12	86.0	88.9	3.23	70.0-130	25
1,2,4-Trichlorobenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0189	0.0192	mg/Kg	EPA 8260B	4/3/12	**50.4**	**52.2**	3.52	70.0-130	25
1,2,4-Trimethylbenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0256	0.0268	mg/Kg	EPA 8260B	4/3/12	**68.4**	72.8	6.32	70.0-130	25
1,2-Dibromoethane														
	80777-05	<0.0050	0.0376	0.0370	0.0325	0.0335	mg/Kg	EPA 8260B	4/3/12	86.4	90.4	4.62	67.2-121	25
1,2-Dichlorobenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0248	0.0258	mg/Kg	EPA 8260B	4/3/12	66.1	70.0	5.69	56.3-123	25
1,2-Dichloroethane														
	80777-05	<0.0050	0.0374	0.0368	0.0321	0.0324	mg/Kg	EPA 8260B	4/3/12	85.6	88.1	2.82	64.0-124	25

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1,2-Dichloropropane														
	80777-05	<0.0050	0.0374	0.0368	0.0345	0.0357	mg/Kg	EPA 8260B	4/3/12	92.0	97.0	5.29	66.6-120	25
1,2-dibromo-3-chloropropane														
	80777-05	<0.0050	0.0374	0.0368	0.0310	0.0330	mg/Kg	EPA 8260B	4/3/12	82.9	89.5	7.71	59.4-138	25
1,3,5-Trimethylbenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0278	0.0288	mg/Kg	EPA 8260B	4/3/12	74.3	78.3	5.26	70.0-130	25
1,3-Dichlorobenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0219	0.0226	mg/Kg	EPA 8260B	4/3/12	58.4	61.5	5.13	52.5-132	25
1,3-Dichloropropane														
	80777-05	<0.0050	0.0374	0.0368	0.0337	0.0346	mg/Kg	EPA 8260B	4/3/12	89.9	94.1	4.56	70.0-130	25
1,4-Dichlorobenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0242	0.0256	mg/Kg	EPA 8260B	4/3/12	64.7	69.6	7.31	57.0-123	25
2+4-Chlorotoluene														
	80777-05	<0.0050	0.0749	0.0737	0.0523	0.0551	mg/Kg	EPA 8260B	4/3/12	**69.9**	74.8	6.82	70.0-130	25
2,2-Dichloropropane														
	80777-05	<0.0050	0.0374	0.0368	0.0272	0.0289	mg/Kg	EPA 8260B	4/3/12	72.5	78.5	7.93	70.0-130	25
Benzene														
	80777-05	<0.0050	0.0374	0.0368	0.0333	0.0348	mg/Kg	EPA 8260B	4/3/12	89.0	94.5	5.92	67.9-120	25
Bromobenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0265	0.0274	mg/Kg	EPA 8260B	4/3/12	70.7	74.5	5.34	70.0-130	25

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Bromochloromethane														
	80777-05	<0.0050	0.0374	0.0368	0.0330	0.0343	mg/Kg	EPA 8260B	4/3/12	88.0	93.0	5.50	70.0-130	25
Bromodichloromethane														
	80777-05	<0.0050	0.0374	0.0368	0.0323	0.0332	mg/Kg	EPA 8260B	4/3/12	86.3	90.2	4.38	70.0-130	25
Bromoform														
	80777-05	<0.0050	0.0374	0.0368	0.0323	0.0328	mg/Kg	EPA 8260B	4/3/12	86.3	88.9	2.99	58.2-146	25
Bromomethane														
	80777-05	<0.020	0.187	0.184	0.192	0.201	mg/Kg	EPA 8260B	4/3/12	102	109	6.26	45.5-139	25
Carbon Tetrachloride														
	80777-05	<0.0050	0.0374	0.0368	0.0306	0.0318	mg/Kg	EPA 8260B	4/3/12	81.6	86.4	5.61	70.0-130	25
Chlorobenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0286	0.0297	mg/Kg	EPA 8260B	4/3/12	76.4	80.7	5.48	63.4-122	25
Chloroethane														
	80777-05	<0.0050	0.0374	0.0368	0.0390	0.0400	mg/Kg	EPA 8260B	4/3/12	104	108	4.21	70.0-130	25
Chloroform														
	80777-05	<0.0050	0.0374	0.0368	0.0317	0.0328	mg/Kg	EPA 8260B	4/3/12	84.7	89.0	4.88	67.4-121	25
Chloromethane														
	80777-05	<0.0050	0.0374	0.0368	0.0376	0.0371	mg/Kg	EPA 8260B	4/3/12	100	101	0.353	47.9-127	25
Dibromochloromethane														
	80777-05	<0.0050	0.0374	0.0368	0.0321	0.0330	mg/Kg	EPA 8260B	4/3/12	85.8	89.7	4.42	70.0-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Dibromomethane														
	80777-05	<0.0050	0.0374	0.0368	0.0324	0.0332	mg/Kg	EPA 8260B	4/3/12	86.7	90.2	4.06	70.0-130	25
Dichlorodifluoromethane														
	80777-05	<0.0050	0.0374	0.0368	0.0349	0.0352	mg/Kg	EPA 8260B	4/3/12	93.1	95.7	2.74	40.5-144	25
Diisopropyl ether														
	80777-05	<0.0050	0.0370	0.0364	0.0339	0.0352	mg/Kg	EPA 8260B	4/3/12	91.6	96.6	5.33	65.2-122	25
Ethanol														
	80777-05	<0.050	0.0938	0.0922	0.105	0.118	mg/Kg	EPA 8260B	4/3/12	112	128	13.9	37.1-156	25
Ethyl-tert-butyl ether														
	80777-05	<0.0050	0.0375	0.0368	0.0313	0.0321	mg/Kg	EPA 8260B	4/3/12	83.6	87.2	4.24	64.6-122	25
Ethylbenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0313	0.0328	mg/Kg	EPA 8260B	4/3/12	83.7	89.1	6.31	65.5-127	25
Hexachlorobutadiene														
	80777-05	<0.0050	0.0374	0.0368	0.0184	0.0194	mg/Kg	EPA 8260B	4/3/12	**49.0**	**52.6**	7.06	70.0-130	25
Isopropyl benzene														
	80777-05	<0.0050	0.0374	0.0368	0.0288	0.0302	mg/Kg	EPA 8260B	4/3/12	76.8	81.9	6.49	70.0-130	25
Methanol														
	80777-05	<0.20	0.936	0.921	1.02	1.06	mg/Kg	EPA 8260B	4/3/12	108	115	6.18	26.8-154	25
Methyl-t-butyl ether														
	80777-05	<0.0050	0.0375	0.0368	0.0311	0.0316	mg/Kg	EPA 8260B	4/3/12	83.0	85.7	3.19	57.0-122	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Methylene Chloride														
	80777-05	<0.0050	0.0374	0.0368	0.0332	0.0344	mg/Kg	EPA 8260B	4/3/12	88.6	93.4	5.29	70.0-130	25
Naphthalene														
	80777-05	<0.0050	0.0374	0.0368	0.0210	0.0221	mg/Kg	EPA 8260B	4/3/12	**56.1**	**60.0**	6.72	70.0-130	25
O-Xylene														
	80777-05	<0.0050	0.0374	0.0368	0.0305	0.0319	mg/Kg	EPA 8260B	4/3/12	81.5	86.6	6.03	62.3-124	25
P + M Xylene														
	80777-05	<0.0050	0.0374	0.0368	0.0299	0.0313	mg/Kg	EPA 8260B	4/3/12	79.8	84.9	6.18	62.5-124	25
Styrene														
	80777-05	<0.0050	0.0374	0.0368	0.0284	0.0294	mg/Kg	EPA 8260B	4/3/12	75.8	80.0	5.38	70.0-130	25
Tert-Butanol														
	80777-05	<0.0050	0.188	0.185	0.170	0.179	mg/Kg	EPA 8260B	4/3/12	90.5	96.6	6.42	64.3-122	25
Tert-amyl-methyl ether														
	80777-05	<0.0050	0.0369	0.0363	0.0318	0.0323	mg/Kg	EPA 8260B	4/3/12	86.2	88.8	3.01	64.9-122	25
Tetrachloroethene														
	80777-05	<0.0050	0.0374	0.0368	0.0291	0.0308	mg/Kg	EPA 8260B	4/3/12	77.8	83.7	7.42	64.7-122	25
Toluene														
	80777-05	<0.0050	0.0374	0.0368	0.0314	0.0328	mg/Kg	EPA 8260B	4/3/12	83.8	89.2	6.24	65.7-120	25
Trichloroethene														
	80777-05	<0.0050	0.0374	0.0368	0.0358	0.0372	mg/Kg	EPA 8260B	4/3/12	95.7	101	5.44	63.9-121	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Trichlorofluoromethane														
	80777-05	<0.0050	0.0374	0.0368	0.0319	0.0329	mg/Kg	EPA 8260B	4/3/12	85.3	89.4	4.76	70.0-130	25
Vinyl Chloride														
	80777-05	<0.0050	0.0374	0.0368	0.0373	0.0377	mg/Kg	EPA 8260B	4/3/12	99.6	102	2.61	45.9-127	25
c-1,3-Dichloropropene														
	80777-05	<0.0050	0.0374	0.0368	0.0320	0.0330	mg/Kg	EPA 8260B	4/3/12	85.6	89.6	4.55	70.0-130	25
cis-1,2-Dichloroethene														
	80777-05	<0.0050	0.0374	0.0368	0.0323	0.0334	mg/Kg	EPA 8260B	4/3/12	86.3	90.6	4.92	70.0-130	25
n-butylbenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0239	0.0258	mg/Kg	EPA 8260B	4/3/12	**63.9**	70.0	9.18	70.0-130	25
n-propylbenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0271	0.0286	mg/Kg	EPA 8260B	4/3/12	72.4	77.7	7.15	70.0-130	25
p-isopropyltoluene														
	80777-05	<0.0050	0.0374	0.0368	0.0236	0.0250	mg/Kg	EPA 8260B	4/3/12	**63.0**	**67.8**	7.33	70.0-130	25
sec-butylbenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0244	0.0260	mg/Kg	EPA 8260B	4/3/12	**65.0**	70.8	8.44	70.0-130	25
t-1,2-Dichloroethene														
	80777-05	<0.0050	0.0374	0.0368	0.0326	0.0339	mg/Kg	EPA 8260B	4/3/12	87.2	92.1	5.50	70.0-130	25
t-1,3-Dichloropropene														
	80777-05	<0.0050	0.0374	0.0368	0.0309	0.0318	mg/Kg	EPA 8260B	4/3/12	82.5	86.4	4.53	70.0-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
tert-butylbenzene														
	80777-05	<0.0050	0.0374	0.0368	0.0256	0.0270	mg/Kg	EPA 8260B	4/3/12	**68.4**	73.4	7.08	70.0-130	25
Arsenic														
	80860-01	< 0.75	50.0	50.0	36.7	37.4	mg/Kg	EPA 6010B	4/4/12	**73.3**	**74.9**	2.09	75-125	20
TPH as Diesel														
	BLANK	<50	1000	1000	1000	970	ug/L	M EPA 8015	4/4/12	100	97.0	3.21	70-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Mercury	0.00100	mg/L	EPA 7470A	4/2/12	101	85-115
Antimony	50.0	mg/Kg	EPA 6010B	4/4/12	96.3	85-115
Barium	50.0	mg/Kg	EPA 6010B	4/4/12	103	85-115
Beryllium	50.0	mg/Kg	EPA 6010B	4/4/12	102	85-115
Cadmium	50.0	mg/Kg	EPA 6010B	4/4/12	99.6	85-115
Chromium	50.0	mg/Kg	EPA 6010B	4/4/12	98.7	85-115
Cobalt	50.0	mg/Kg	EPA 6010B	4/4/12	99.0	85-115
Copper	50.0	mg/Kg	EPA 6010B	4/4/12	97.6	85-115
Lead	50.0	mg/Kg	EPA 6010B	4/4/12	101	85-115
Molybdenum	50.0	mg/Kg	EPA 6010B	4/4/12	100	85-115
Nickel	50.0	mg/Kg	EPA 6010B	4/4/12	98.8	85-115
Selenium	50.0	mg/Kg	EPA 6010B	4/4/12	99.6	85-115
Silver	12.5	mg/Kg	EPA 6010B	4/4/12	99.1	85-115
Thallium	50.0	mg/Kg	EPA 6010B	4/4/12	101	85-115
Vanadium	50.0	mg/Kg	EPA 6010B	4/4/12	95.1	85-115
Zinc	50.0	mg/Kg	EPA 6010B	4/4/12	102	85-115
Arsenic	50.0	mg/Kg	EPA 6010B	4/4/12	98.5	85-115
Mercury	0.100	mg/Kg	EPA 7471A	4/4/12	102	85-115
Antimony	0.400	mg/L	EPA 6010B	4/3/12	103	85-115

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QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Arsenic	0.400	mg/L	EPA 6010B	4/3/12	100	85-115
Barium	0.400	mg/L	EPA 6010B	4/3/12	103	85-115
Beryllium	0.400	mg/L	EPA 6010B	4/3/12	101	85-115
Cadmium	0.400	mg/L	EPA 6010B	4/3/12	101	85-115
Chromium	0.400	mg/L	EPA 6010B	4/3/12	102	85-115
Cobalt	0.400	mg/L	EPA 6010B	4/3/12	101	85-115
Copper	0.400	mg/L	EPA 6010B	4/3/12	102	85-115
Lead	0.400	mg/L	EPA 6010B	4/3/12	101	85-115
Molybdenum	0.400	mg/L	EPA 6010B	4/3/12	103	85-115
Nickel	0.400	mg/L	EPA 6010B	4/3/12	100	85-115
Selenium	0.400	mg/L	EPA 6010B	4/3/12	101	85-115
Silver	0.100	mg/L	EPA 6010B	4/3/12	100	85-115
Thallium	0.400	mg/L	EPA 6010B	4/3/12	102	85-115
Vanadium	0.400	mg/L	EPA 6010B	4/3/12	96.2	85-115
Zinc	0.400	mg/L	EPA 6010B	4/3/12	103	85-115
TPH as Diesel	20.0	mg/Kg	M EPA 8015	4/3/12	86.5	70-130
1,1,1,2-Tetrachloroethane	0.0383	mg/Kg	EPA 8260B	4/3/12	97.1	70.0-130
1,1,1-Trichloroethane	0.0383	mg/Kg	EPA 8260B	4/3/12	98.3	70.0-130
1,1,2,2-Tetrachloroethane	0.0383	mg/Kg	EPA 8260B	4/3/12	110	60.7-133
1,1,2-Trichloroethane	0.0383	mg/Kg	EPA 8260B	4/3/12	102	70.0-130
1,1-Dichloroethane	0.0383	mg/Kg	EPA 8260B	4/3/12	102	66.1-120

KIFF ANALYTICAL, LLC

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Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,1-Dichloroethene	0.0383	mg/Kg	EPA 8260B	4/3/12	108	65.9-122
1,1-Dichloropropene	0.0383	mg/Kg	EPA 8260B	4/3/12	102	70.0-130
1,2,3-Trichlorobenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	88.0	70.0-130
1,2,3-Trichloropropane	0.0383	mg/Kg	EPA 8260B	4/3/12	97.9	70.0-130
1,2,4-Trichlorobenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	93.5	70.0-130
1,2,4-Trimethylbenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	93.9	70.0-130
1,2-Dibromoethane	0.0385	mg/Kg	EPA 8260B	4/3/12	101	67.2-121
1,2-Dichlorobenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	97.8	56.3-123
1,2-Dichloroethane	0.0383	mg/Kg	EPA 8260B	4/3/12	99.5	64.0-124
1,2-Dichloropropane	0.0383	mg/Kg	EPA 8260B	4/3/12	105	66.6-120
1,2-dibromo-3-chloropropane	0.0383	mg/Kg	EPA 8260B	4/3/12	95.3	59.4-138
1,3,5-Trimethylbenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	99.4	70.0-130
1,3-Dichlorobenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	88.2	52.5-132
1,3-Dichloropropane	0.0383	mg/Kg	EPA 8260B	4/3/12	104	70.0-130
1,4-Dichlorobenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	98.8	57.0-123
2+4-Chlorotoluene	0.0766	mg/Kg	EPA 8260B	4/3/12	96.9	70.0-130
2,2-Dichloropropane	0.0383	mg/Kg	EPA 8260B	4/3/12	99.9	70.0-130
Benzene	0.0383	mg/Kg	EPA 8260B	4/3/12	104	67.9-120
Bromobenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	94.3	70.0-130
Bromochloromethane	0.0383	mg/Kg	EPA 8260B	4/3/12	101	70.0-130
Bromodichloromethane	0.0383	mg/Kg	EPA 8260B	4/3/12	102	70.0-130
Bromoform	0.0383	mg/Kg	EPA 8260B	4/3/12	102	58.2-146
Bromomethane	0.192	mg/Kg	EPA 8260B	4/3/12	118	45.5-139

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Carbon Tetrachloride	0.0383	mg/Kg	EPA 8260B	4/3/12	97.9	70.0-130
Chlorobenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	96.4	63.4-122
Chloroethane	0.0383	mg/Kg	EPA 8260B	4/3/12	118	70.0-130
Chloroform	0.0383	mg/Kg	EPA 8260B	4/3/12	98.4	67.4-121
Chloromethane	0.0383	mg/Kg	EPA 8260B	4/3/12	116	47.9-127
Dibromochloromethane	0.0383	mg/Kg	EPA 8260B	4/3/12	102	70.0-130
Dibromomethane	0.0383	mg/Kg	EPA 8260B	4/3/12	99.5	70.0-130
Dichlorodifluoromethane	0.0383	mg/Kg	EPA 8260B	4/3/12	108	40.5-144
Diisopropyl ether	0.0379	mg/Kg	EPA 8260B	4/3/12	102	65.2-122
Ethanol	0.0960	mg/Kg	EPA 8260B	4/3/12	136	37.1-156
Ethyl-tert-butyl ether	0.0383	mg/Kg	EPA 8260B	4/3/12	94.9	64.6-122
Ethylbenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	104	65.5-127
Hexachlorobutadiene	0.0383	mg/Kg	EPA 8260B	4/3/12	91.2	70.0-130
Isopropyl benzene	0.0383	mg/Kg	EPA 8260B	4/3/12	98.1	70.0-130
Methanol	0.958	mg/Kg	EPA 8260B	4/3/12	140	26.8-154
Methyl-t-butyl ether	0.0383	mg/Kg	EPA 8260B	4/3/12	93.1	57.0-122
Methylene Chloride	0.0383	mg/Kg	EPA 8260B	4/3/12	101	70.0-130
Naphthalene	0.0383	mg/Kg	EPA 8260B	4/3/12	89.6	70.0-130
O-Xylene	0.0383	mg/Kg	EPA 8260B	4/3/12	101	62.3-124
P + M Xylene	0.0383	mg/Kg	EPA 8260B	4/3/12	101	62.5-124
Styrene	0.0383	mg/Kg	EPA 8260B	4/3/12	101	70.0-130
Tert-Butanol	0.193	mg/Kg	EPA 8260B	4/3/12	97.7	64.3-122
Tert-amyl-methyl ether	0.0378	mg/Kg	EPA 8260B	4/3/12	96.6	64.9-122

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Tetrachloroethene	0.0383	mg/Kg	EPA 8260B	4/3/12	99.2	64.7-122
Toluene	0.0383	mg/Kg	EPA 8260B	4/3/12	101	65.7-120
Trichloroethene	0.0383	mg/Kg	EPA 8260B	4/3/12	96.3	63.9-121
Trichlorofluoromethane	0.0383	mg/Kg	EPA 8260B	4/3/12	99.5	70.0-130
Vinyl Chloride	0.0383	mg/Kg	EPA 8260B	4/3/12	112	45.9-127
c-1,3-Dichloropropene	0.0383	mg/Kg	EPA 8260B	4/3/12	104	70.0-130
cis-1,2-Dichloroethene	0.0383	mg/Kg	EPA 8260B	4/3/12	99.9	70.0-130
n-butylbenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	103	70.0-130
n-propylbenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	98.8	70.0-130
p-isopropyltoluene	0.0383	mg/Kg	EPA 8260B	4/3/12	91.0	70.0-130
sec-butylbenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	94.5	70.0-130
t-1,2-Dichloroethene	0.0383	mg/Kg	EPA 8260B	4/3/12	105	70.0-130
t-1,3-Dichloropropene	0.0383	mg/Kg	EPA 8260B	4/3/12	103	70.0-130
tert-butylbenzene	0.0383	mg/Kg	EPA 8260B	4/3/12	93.0	70.0-130
1,1,1,2-Tetrachloroethane	40.2	ug/L	EPA 8260B	4/3/12	111	70.0-130
1,1,1-Trichloroethane	40.2	ug/L	EPA 8260B	4/3/12	108	70.0-130
1,1,2,2-Tetrachloroethane	40.2	ug/L	EPA 8260B	4/3/12	112	80-121
1,1,2-Trichloroethane	40.2	ug/L	EPA 8260B	4/3/12	106	70.0-130
1,1-Dichloroethane	40.2	ug/L	EPA 8260B	4/3/12	106	76.5-120
1,1-Dichloroethene	40.2	ug/L	EPA 8260B	4/3/12	105	69.6-124
1,1-Dichloropropene	40.2	ug/L	EPA 8260B	4/3/12	106	70.0-130
1,2,3-Trichlorobenzene	40.2	ug/L	EPA 8260B	4/3/12	109	70.0-130

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,2,3-Trichloropropane	40.2	ug/L	EPA 8260B	4/3/12	107	70.0-130
1,2,4-Trichlorobenzene	40.2	ug/L	EPA 8260B	4/3/12	110	70.0-130
1,2,4-Trimethylbenzene	40.2	ug/L	EPA 8260B	4/3/12	113	70.0-130
1,2-Dibromoethane	40.4	ug/L	EPA 8260B	4/3/12	109	80-120
1,2-Dichlorobenzene	40.2	ug/L	EPA 8260B	4/3/12	105	80-120
1,2-Dichloroethane	40.2	ug/L	EPA 8260B	4/3/12	106	75.7-122
1,2-Dichloropropane	40.2	ug/L	EPA 8260B	4/3/12	105	80-120
1,2-dibromo-3-chloropropane	40.2	ug/L	EPA 8260B	4/3/12	110	70.0-130
1,3,5-Trimethylbenzene	40.2	ug/L	EPA 8260B	4/3/12	113	70.0-130
1,3-Dichlorobenzene	40.2	ug/L	EPA 8260B	4/3/12	109	79.3-120
1,3-Dichloropropane	40.2	ug/L	EPA 8260B	4/3/12	106	70.0-130
1,4-Dichlorobenzene	40.2	ug/L	EPA 8260B	4/3/12	106	80-120
2+4-Chlorotoluene	80.4	ug/L	EPA 8260B	4/3/12	110	70.0-130
2,2-Dichloropropane	40.2	ug/L	EPA 8260B	4/3/12	107	65.6-145
Benzene	40.2	ug/L	EPA 8260B	4/3/12	107	80-120
Bromobenzene	40.2	ug/L	EPA 8260B	4/3/12	110	70.0-130
Bromochloromethane	40.2	ug/L	EPA 8260B	4/3/12	106	70.0-130
Bromodichloromethane	40.2	ug/L	EPA 8260B	4/3/12	108	70.0-130
Bromoform	40.2	ug/L	EPA 8260B	4/3/12	112	73.0-142
Bromomethane	201	ug/L	EPA 8260B	4/3/12	103	33.5-140
Carbon Tetrachloride	40.2	ug/L	EPA 8260B	4/3/12	110	70.0-130
Chlorobenzene	40.2	ug/L	EPA 8260B	4/3/12	106	80-120
Chloroethane	40.2	ug/L	EPA 8260B	4/3/12	104	70.0-130

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Chloroform	40.2	ug/L	EPA 8260B	4/3/12	106	80.0-120
Chloromethane	40.2	ug/L	EPA 8260B	4/3/12	113	45.9-142
Dibromochloromethane	40.2	ug/L	EPA 8260B	4/3/12	106	70.0-130
Dibromomethane	40.2	ug/L	EPA 8260B	4/3/12	106	70.0-130
Dichlorodifluoromethane	40.2	ug/L	EPA 8260B	4/3/12	138	47.4-151
Diisopropyl ether	39.7	ug/L	EPA 8260B	4/3/12	106	80-120
Ethanol	101	ug/L	EPA 8260B	4/3/12	99.1	55.1-159
Ethyl-tert-butyl ether	40.2	ug/L	EPA 8260B	4/3/12	102	76.5-120
Ethylbenzene	40.2	ug/L	EPA 8260B	4/3/12	111	80-120
Hexachlorobutadiene	40.2	ug/L	EPA 8260B	4/3/12	111	70.0-130
Isopropyl benzene	40.2	ug/L	EPA 8260B	4/3/12	110	70.0-130
Methanol	1000	ug/L	EPA 8260B	4/3/12	106	53.2-147
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	4/3/12	98.0	69.7-121
Methylene Chloride	40.2	ug/L	EPA 8260B	4/3/12	103	70.0-130
Naphthalene	40.2	ug/L	EPA 8260B	4/3/12	115	70.0-130
O-Xylene	40.2	ug/L	EPA 8260B	4/3/12	111	79.7-120
P + M Xylene	40.2	ug/L	EPA 8260B	4/3/12	109	76.8-120
Styrene	40.2	ug/L	EPA 8260B	4/3/12	111	70.0-130
TPH as Gasoline	505	ug/L	EPA 8260B	4/3/12	101	70.0-130
Tert-Butanol	202	ug/L	EPA 8260B	4/3/12	102	80-120
Tert-amyl-methyl ether	39.6	ug/L	EPA 8260B	4/3/12	106	78.9-120
Tetrachloroethene	40.2	ug/L	EPA 8260B	4/3/12	108	77.0-120
Toluene	40.2	ug/L	EPA 8260B	4/3/12	109	80-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Trichloroethene	40.2	ug/L	EPA 8260B	4/3/12	106	80-120
Trichlorofluoromethane	40.2	ug/L	EPA 8260B	4/3/12	110	70.0-130
Vinyl Chloride	40.2	ug/L	EPA 8260B	4/3/12	112	42.1-138
c-1,3-Dichloropropene	40.2	ug/L	EPA 8260B	4/3/12	112	70.0-130
cis-1,2-Dichloroethene	40.2	ug/L	EPA 8260B	4/3/12	106	70.0-130
n-butylbenzene	40.2	ug/L	EPA 8260B	4/3/12	114	70.0-130
n-propylbenzene	40.2	ug/L	EPA 8260B	4/3/12	112	70.0-130
p-isopropyltoluene	40.2	ug/L	EPA 8260B	4/3/12	116	70.0-130
sec-butylbenzene	40.2	ug/L	EPA 8260B	4/3/12	112	70.0-130
t-1,2-Dichloroethene	40.2	ug/L	EPA 8260B	4/3/12	107	70.0-130
t-1,3-Dichloropropene	40.2	ug/L	EPA 8260B	4/3/12	112	70.0-130
tert-butylbenzene	40.2	ug/L	EPA 8260B	4/3/12	112	70.0-130
Benzene	40.0	ug/L	EPA 8260B	4/2/12	99.8	80-120
Ethylbenzene	40.0	ug/L	EPA 8260B	4/2/12	101	80-120
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	4/2/12	95.8	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	4/2/12	101	76.8-120
TPH as Gasoline	505	ug/L	EPA 8260B	4/2/12	96.0	70.0-130
Toluene	40.0	ug/L	EPA 8260B	4/2/12	102	80-120
Benzene	39.7	ug/L	EPA 8260B	4/2/12	101	80-120
Ethylbenzene	39.7	ug/L	EPA 8260B	4/2/12	102	80-120
Methyl-t-butyl ether	39.7	ug/L	EPA 8260B	4/2/12	100	69.7-121

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80810

QC Report : Laboratory Control Sample (LCS)

Date : 04/05/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
P + M Xylene	39.7	ug/L	EPA 8260B	4/2/12	103	76.8-120
TPH as Gasoline	504	ug/L	EPA 8260B	4/2/12	93.9	70.0-130
Toluene	39.7	ug/L	EPA 8260B	4/2/12	102	80-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 80810

Page 1 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Stephen Lane	California EDF Report? ☐ Yes ☑ No
Company / Address: Applied Engineering & Geology, Inc. P.O. Box 247, Lincoln, CA 95648	Sampling Company Log Code: AEGI
Phone Number: 916-645-6014	Global ID:
Fax Number: 916-645-6098	EDF Deliverable To (Email Address): aeg@aegEngineers.com
Project #: / P.O. #:	Bill to: Rincon Band of Luiseno Indians
Project Name: Rincon Mushroom Farm	Sampler Signature:
Project Address: 33777 Valley Center Road Valley Center, CA 92082	

Analysis Request

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

Sample Designation	Field Point Name	Sampling Date	Sampling Time	Container: 40 ml VOA	250 mL Poly	1L Poly	Glass	Sleeve	~~Tedlar~~ 100 mL Poly	Preservative: HCl	HNO_3	$Na_2S_2O_3$	Ice	None	Matrix: Water	Soil	Air	TPHg, BTEX, MTBE (EPA 8260B)	TPHg, BTEX, 7 Oxys (EPA 8260B)	TPHg, BTEX, 7 Oxys, Lead Scavs. (EPA 8260B)	TPHd and TPHmo (EPA 8015M)	Full List SVOCS (EPA 8270C)	CAM 17 Metals (EPA 6010B)	General Minerals (Various Methods)	Chlorinated Herbicides (EPA 8151A)	Organochlorine Pesticides (EPA 8081A)	Organophosphorus Pesticides (EPA 8141A)	Coli form: total, fecal, and E.coli (SM 9221)	Full List VOCs (EPA 8260B)	Hold	For Lab Use Only
B-28		03/28/12	0930	6	2	2	4		1	X	X	X	X		X				X		X	X	X	X	X	X	X	X	X		01
B-30		03/28/12	1145	6	2	2	4		1	X	X	X	X		X				X		X	X	X	X	X	X	X	X	X		02
MW-6		03/27/12	1535	6						X			X		X			X			X										03
MW-8		03/27/12	1655	6						X			X		X			X			X										04
MW-9		03/28/12	0812	6						X			X		X			X			X										05
EW-2		03/28/12	1045	6						X			X		X			X			X										06

Relinquished by:	Date	Time	Received by:
[signature]	3/28/12	1330	[signature] Kiff Analytical Rep
[signature] Kiff Analytical Rep	3/28/12	13:30	
	032912	1211	Received by Laboratory: [signature] Kiff Analytical

Remarks:
General mineral includes: total alkalinity, bicarbonate as CaCO3, chloride, Nitrate as N, Sulfate as SO4, total dissolved solids, calcium, magnesium, potassium, and sodium.

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Copy - Originator
Rev: 122209

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 80810

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Stephen Lane

California EDF Report? ☐ Yes ☑ No

Company / Address: Applied Engineering & Geology, Inc.
P.O. Box 247, Lincoln, CA 95648

Sampling Company Log Code: AEGI

Phone Number: 916-645-6014

Global ID:

Fax Number: 916-645-6098

EDF Deliverable To (Email Address): aeg@aegEngineers.com

Project #:

P.O. #:

Bill to: Rincon Band of Luiseno Indians

Project Name: Rincon Mushroom Farm

Sampler Signature:

Project Address: 33777 Valley Center Road, Valley Center, CA 92082

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

Sample Designation	Field Point Name	Sampling Date	Sampling Time	40 ml VOA	250 mL Poly	1L Poly	Glass	Sleeve	Tedlar	HCl	HNO_3	$Na_2S_2O_3$	Ice	None	Water	Soil	Air	TPHg, BTEX, MTBE (EPA 8260B)	TPHg, BTEX, 7 Oxys (EPA 8260B)	TPHg, BTEX, 7 Oxys, Lead Scavs. (EPA 8260B)	TPHd and TPHmo (EPA 8015M)	Full List SVOCS (EPA 8270C)	CAM 17 Metals (EPA 6010B)	General Minerals (Various Methods)	Chlorinated Herbicides (EPA 8151A)	Organochlorine Pesticides (EPA 8081A)	Organophosphorus Pesticides (EPA 8141A)	Coli form: total, fecal, and E.coli (SM 9221)	Full List VOCs (EPA 8260B)	Hold	For Lab Use Only
B-28@9'		03/28/12	0835					2					X			X			X		X	X	X		X	X	X	X	X		07
B-30@9'		03/28/12	1040					2					X			X			X		X	X	X		X	X	X	X	X		08

Relinquished by:	Date	Time	Received by:
	3/28/12	1330	Kiff Analytical Rep
Kiff Analytical Rep	3/28/12	13:30	
	032912	1211	Kiff Analytical

Remarks:
General mineral includes: total alkalinity, bicarbonate as CaCO3, chloride, Nitrate as N, Sulfate as SO4, total dissolved solids, calcium, magnesium, potassium, and sodium.

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Copy - Originator
Rev: 122209

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER: LJR (Initials)

SRG#: 80810 Date: 032912

Project ID: Rincon Mushroom Farm

Method of Receipt: ☐ Courier ☐ Over-the-counter ☒ Shipper

COC Inspection

Is COC present? ☒ Yes ☐ No

Custody seals on shipping container? ☒ Intact ☐ Broken ☐ Not present ☐ N/A

Is COC Signed by Relinquisher? ☒ Yes ☐ No Dated? ☒ Yes ☐ No

Is sampler name legibly indicated on COC? ☐ Yes ☒ No

Is analysis or hold requested for all samples? ☒ Yes ☐ No

Is the turnaround time indicated on COC? ☒ Yes ☐ No

Is COC free of whiteout and uninitialed cross-outs? ☒ Yes ☐ No, Whiteout ☒ No, Cross-outs

Sample Inspection

Coolant Present: ☒ Yes ☐ No (includes water)

Temperature °C 5.9 Therm. ID# ER-4 Initial LJR Date/Time 032912 / 1204 ☐ N/A

Are there custody seals on sample containers? ☐ Intact ☐ Broken ☒ Not present

Do containers match COC? ☒ Yes ☐ No ☐ No, COC lists absent sample(s) ☐ No, Extra sample(s) present

Are there samples matrices other than soil, water, air or carbon? ☐ Yes ☒ No

Are any sample containers broken, leaking or damaged? ☐ Yes ☒ No

Are preservatives indicated? ☐ Yes, on sample containers ☒ Yes, on COC ☐ Not indicated ☐ N/A

Are preservatives correct for analyses requested? ☒ Yes ☐ No ☐ N/A

Are samples within holding time for analyses requested? ☒ Yes ☐ No

Are the correct sample containers used for the analyses requested? ☒ Yes ☐ No

Is there sufficient sample to perform testing? ☒ Yes ☐ No

Does any sample contain product, have strong odor or are otherwise suspected to be hot? ☐ Yes ☒ No

Receipt Details

Matrix WA Container type VOA # of containers received 36

Matrix WA Container type poly # of containers received 2

Matrix SO Container type sleeve # of containers received 2

Date and Time Sample Put into Temp Storage Date: 032912 Time: 1211

Quicklog

Are the Sample ID's indicated: ☐ On COC ☐ On sample container(s) ☒ On Both ☐ Not indicated

If Sample ID's are listed on both COC and containers, do they all match? ☒ Yes ☐ No ☐ N/A

Is the Project ID indicated: ☐ On COC ☐ On sample container(s) ☒ On Both ☐ Not indicated

If project ID is listed on both COC and containers, do they all match? ☒ Yes ☐ No ☐ N/A

Are the sample collection dates indicated: ☐ On COC ☐ On sample container(s) ☒ On Both ☐ Not indicated

If collection dates are listed on both COC and containers, do they all match? ☒ Yes ☐ No ☐ N/A

Are the sample collection times indicated: ☐ On COC ☐ On sample container(s) ☒ On Both ☐ Not indicated

If collection times are listed on both COC and containers, do they all match? ☒ Yes ☐ No ☐ N/A

COMMENTS:

Leaders in Analytical Science and Service

KIFF Analytical LLC

Subcontract Laboratory Report Attachments

2795 Second Street, Suite 300 Davis, CA 95618
tel 530.297.4800 fax 530.297.4808
www.kiffanalytical.com

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-03-1886

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Kiff Analytical

Client Project Name: Rincon Mushroom Farm

Attention: Joel Kiff
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Amanda Porter

Approved for release on 04/4/2012 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

Accredited in accordance with nelac

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

Calscience Environmental Laboratories, Inc.

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Work Order Number: 12-03-1886

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-28	**12-03-1886-1-B**	**03/28/12 09:30**	**Aqueous**	**GC 44**	**03/29/12**	**04/03/12 11:59**	**120329L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.10	1		Endrin	ND	0.10	1	
Gamma-BHC	ND	0.10	1		Endrin Aldehyde	ND	0.10	1	
Beta-BHC	ND	0.10	1		4,4'-DDD	ND	0.10	1	
Heptachlor	ND	0.10	1		Endosulfan II	ND	0.10	1	
Delta-BHC	ND	0.10	1		4,4'-DDT	ND	0.10	1	
Aldrin	ND	0.10	1		Endosulfan Sulfate	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1		Methoxychlor	ND	0.10	1	
Endosulfan I	ND	0.10	1		Chlordane	ND	1.0	1	
Dieldrin	ND	0.10	1		Toxaphene	ND	2.0	1	
4,4'-DDE	ND	0.10	1		Endrin Ketone	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	93	50-135		2,4,5,6-Tetrachloro-m-Xylene	91	50-135	

B-30	**12-03-1886-2-B**	**03/28/12 11:45**	**Aqueous**	**GC 44**	**03/29/12**	**04/03/12 12:13**	**120329L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.10	1		Endrin	ND	0.10	1	
Gamma-BHC	ND	0.10	1		Endrin Aldehyde	ND	0.10	1	
Beta-BHC	ND	0.10	1		4,4'-DDD	ND	0.10	1	
Heptachlor	ND	0.10	1		Endosulfan II	ND	0.10	1	
Delta-BHC	ND	0.10	1		4,4'-DDT	ND	0.10	1	
Aldrin	ND	0.10	1		Endosulfan Sulfate	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1		Methoxychlor	ND	0.10	1	
Endosulfan I	ND	0.10	1		Chlordane	ND	1.0	1	
Dieldrin	ND	0.10	1		Toxaphene	ND	2.0	1	
4,4'-DDE	ND	0.10	1		Endrin Ketone	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	78	50-135		2,4,5,6-Tetrachloro-m-Xylene	78	50-135	

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-529-523**	**N/A**	**Aqueous**	**GC 44**	**03/29/12**	**04/03/12 11:44**	**120329L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.10	1		Endrin	ND	0.10	1	
Gamma-BHC	ND	0.10	1		Endrin Aldehyde	ND	0.10	1	
Beta-BHC	ND	0.10	1		4,4'-DDD	ND	0.10	1	
Heptachlor	ND	0.10	1		Endosulfan II	ND	0.10	1	
Delta-BHC	ND	0.10	1		4,4'-DDT	ND	0.10	1	
Aldrin	ND	0.10	1		Endosulfan Sulfate	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1		Methoxychlor	ND	0.10	1	
Endosulfan I	ND	0.10	1		Chlordane	ND	1.0	1	
Dieldrin	ND	0.10	1		Toxaphene	ND	2.0	1	
4,4'-DDE	ND	0.10	1		Endrin Ketone	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	79	50-135		2,4,5,6-Tetrachloro-m-Xylene	67	50-135	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

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Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: Rincon Mushroom Farm			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-28@9'	**12-03-1886-3-A**	**03/28/12 08:35**	**Solid**	**GC 44**	**03/30/12**	**04/03/12 14:24**	**120330L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	5.0	1		Endosulfan II	ND	5.0	1	
Alpha-BHC	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Beta-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Chlordane	ND	50	1		Endrin Aldehyde	ND	5.0	1	
4,4'-DDD	ND	5.0	1		Endrin Ketone	ND	5.0	1	
4,4'-DDE	ND	5.0	1		Gamma-BHC	ND	5.0	1	
4,4'-DDT	ND	5.0	1		Heptachlor	ND	5.0	1	
Delta-BHC	ND	5.0	1		Heptachlor Epoxide	ND	5.0	1	
Dieldrin	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Toxaphene	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	91	50-135		2,4,5,6-Tetrachloro-m-Xylene	87	50-135	

B-30@9'	**12-03-1886-4-A**	**03/28/12 10:40**	**Solid**	**GC 44**	**03/30/12**	**04/03/12 14:38**	**120330L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	5.0	1		Endosulfan II	ND	5.0	1	
Alpha-BHC	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Beta-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Chlordane	ND	50	1		Endrin Aldehyde	ND	5.0	1	
4,4'-DDD	ND	5.0	1		Endrin Ketone	ND	5.0	1	
4,4'-DDE	ND	5.0	1		Gamma-BHC	ND	5.0	1	
4,4'-DDT	ND	5.0	1		Heptachlor	ND	5.0	1	
Delta-BHC	ND	5.0	1		Heptachlor Epoxide	ND	5.0	1	
Dieldrin	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Toxaphene	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	50-135		2,4,5,6-Tetrachloro-m-Xylene	89	50-135	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: Rincon Mushroom Farm			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1,165**	**N/A**	**Solid**	**GC 44**	**03/30/12**	**04/03/12 12:57**	**120330L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	5.0	1		Endosulfan II	ND	5.0	1	
Alpha-BHC	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Beta-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Chlordane	ND	50	1		Endrin Aldehyde	ND	5.0	1	
4,4'-DDD	ND	5.0	1		Endrin Ketone	ND	5.0	1	
4,4'-DDE	ND	5.0	1		Gamma-BHC	ND	5.0	1	
4,4'-DDT	ND	5.0	1		Heptachlor	ND	5.0	1	
Delta-BHC	ND	5.0	1		Heptachlor Epoxide	ND	5.0	1	
Dieldrin	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Toxaphene	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	94	50-135		2,4,5,6-Tetrachloro-m-Xylene	97	50-135	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8141B
		Units:	mg/L
Project: Rincon Mushroom Farm			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-28	**12-03-1886-1-D**	**03/28/12 09:30**	**Aqueous**	**GC 35**	**03/30/12**	**04/02/12 14:46**	**120330L02**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0055	1.1		Merphos	ND	0.0055	1.1	
Bolstar	ND	0.0055	1.1		Methyl Parathion	ND	0.0055	1.1	
Chlorpyrifos	ND	0.0055	1.1		Mevinphos	ND	0.0055	1.1	
Coumaphos	ND	0.0055	1.1		Naled	ND	0.044	1.1	
Diazinon	ND	0.0055	1.1		Phorate	ND	0.0055	1.1	
Dichlorvos	ND	0.0055	1.1		Ronnel	ND	0.0055	1.1	
Disulfoton	ND	0.011	1.1		Stirophos	ND	0.022	1.1	
Ethoprop	ND	0.0055	1.1		Tokuthion	ND	0.0055	1.1	
Fensulfothion	ND	0.0055	1.1		Trichloronate	ND	0.0055	1.1	
Fenthion	ND	0.0055	1.1		Demeton-o/s	ND	0.0055	1.1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	111	30-130	

B-30	**12-03-1886-2-D**	**03/28/12 11:45**	**Aqueous**	**GC 35**	**03/30/12**	**04/02/12 15:32**	**120330L02**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0054	1.09		Merphos	ND	0.0054	1.09	
Bolstar	ND	0.0054	1.09		Methyl Parathion	ND	0.0054	1.09	
Chlorpyrifos	ND	0.0054	1.09		Mevinphos	ND	0.0054	1.09	
Coumaphos	ND	0.0054	1.09		Naled	ND	0.044	1.09	
Diazinon	ND	0.0054	1.09		Phorate	ND	0.0054	1.09	
Dichlorvos	ND	0.0054	1.09		Ronnel	ND	0.0054	1.09	
Disulfoton	ND	0.011	1.09		Stirophos	ND	0.022	1.09	
Ethoprop	ND	0.0054	1.09		Tokuthion	ND	0.0054	1.09	
Fensulfothion	ND	0.0054	1.09		Trichloronate	ND	0.0054	1.09	
Fenthion	ND	0.0054	1.09		Demeton-o/s	ND	0.0054	1.09	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	115	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8141B
		Units:	mg/L
Project: Rincon Mushroom Farm			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-957-120**	**N/A**	**Aqueous**	**GC 35**	**03/30/12**	**04/02/12 14:00**	**120330L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0050	1		Merphos	ND	0.0050	1	
Bolstar	ND	0.0050	1		Methyl Parathion	ND	0.0050	1	
Chlorpyrifos	ND	0.0050	1		Mevinphos	ND	0.0050	1	
Coumaphos	ND	0.0050	1		Naled	ND	0.040	1	
Diazinon	ND	0.0050	1		Phorate	ND	0.0050	1	
Dichlorvos	ND	0.0050	1		Ronnel	ND	0.0050	1	
Disulfoton	ND	0.010	1		Stirophos	ND	0.020	1	
Ethoprop	ND	0.0050	1		Tokuthion	ND	0.0050	1	
Fensulfothion	ND	0.0050	1		Trichloronate	ND	0.0050	1	
Fenthion	ND	0.0050	1		Demeton-o/s	ND	0.0050	1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	114	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8141B
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-28@9'	**12-03-1886-3-A**	**03/28/12 08:35**	**Solid**	**GC 35**	**03/30/12**	**03/30/12 16:41**	**120330L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Demeton-o/s	ND	0.50	1		Fenthion	ND	0.50	1	
Azinphos Methyl	ND	0.50	1		Merphos	ND	0.50	1	
Bolstar	ND	0.50	1		Methyl Parathion	ND	0.50	1	
Chlorpyrifos	ND	0.50	1		Mevinphos	ND	0.50	1	
Coumaphos	ND	0.50	1		Naled	ND	4.0	1	
Diazinon	ND	0.50	1		Phorate	ND	0.50	1	
Dichlorvos	ND	0.50	1		Ronnel	ND	0.50	1	
Disulfoton	ND	0.50	1		Stirophos	ND	2.0	1	
Ethoprop	ND	0.50	1		Tokuthion	ND	0.50	1	
Fensulfothion	ND	0.50	1		Trichloronate	ND	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	98	30-130	

B-30@9'	**12-03-1886-4-A**	**03/28/12 10:40**	**Solid**	**GC 35**	**03/30/12**	**03/30/12 17:27**	**120330L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Demeton-o/s	ND	0.50	1		Fenthion	ND	0.50	1	
Azinphos Methyl	ND	0.50	1		Merphos	ND	0.50	1	
Bolstar	ND	0.50	1		Methyl Parathion	ND	0.50	1	
Chlorpyrifos	ND	0.50	1		Mevinphos	ND	0.50	1	
Coumaphos	ND	0.50	1		Naled	ND	4.0	1	
Diazinon	ND	0.50	1		Phorate	ND	0.50	1	
Dichlorvos	ND	0.50	1		Ronnel	ND	0.50	1	
Disulfoton	ND	0.50	1		Stirophos	ND	2.0	1	
Ethoprop	ND	0.50	1		Tokuthion	ND	0.50	1	
Fensulfothion	ND	0.50	1		Trichloronate	ND	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	100	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8141B
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-465-111**	**N/A**	**Solid**	**GC 35**	**03/30/12**	**03/30/12 15:55**	**120330L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Demeton-o/s	ND	0.50	1		Fenthion	ND	0.50	1	
Azinphos Methyl	ND	0.50	1		Merphos	ND	0.50	1	
Bolstar	ND	0.50	1		Methyl Parathion	ND	0.50	1	
Chlorpyrifos	ND	0.50	1		Mevinphos	ND	0.50	1	
Coumaphos	ND	0.50	1		Naled	ND	4.0	1	
Diazinon	ND	0.50	1		Phorate	ND	0.50	1	
Dichlorvos	ND	0.50	1		Ronnel	ND	0.50	1	
Disulfoton	ND	0.50	1		Stirophos	ND	2.0	1	
Ethoprop	ND	0.50	1		Tokuthion	ND	0.50	1	
Fensulfothion	ND	0.50	1		Trichloronate	ND	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual
Tributylphosphate	106	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: Rincon Mushroom Farm			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-28@9'	**12-03-1886-3-A**	**03/28/12 08:35**	**Solid**	**GC 40**	**03/30/12**	**04/02/12 16:38**	**120330L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	38	30-130	

B-30@9'	**12-03-1886-4-A**	**03/28/12 10:40**	**Solid**	**GC 40**	**03/30/12**	**04/02/12 17:10**	**120330L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	41	30-130	

Method Blank	**095-01-033-993**	**N/A**	**Solid**	**GC 40**	**03/30/12**	**04/03/12 19:34**	**120330L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	60	30-130	

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-28	**12-03-1886-1-C**	**03/28/12 09:30**	**Aqueous**	**GC 40**	**04/02/12**	**04/04/12 11:49**	**120402L13**

Comment(s): -The sample volume received was less than required resulting in an elevated reporting limit.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	14	1.10		2,4-D	ND	5.5	1.10	
Dicamba	ND	0.55	1.10		2,4,5-TP (Silvex)	ND	0.55	1.10	
MCPP	ND	550	1.10		2,4,5-T	ND	0.55	1.10	
MCPA	ND	550	1.10		2,4-DB	ND	5.5	1.10	
Dichlorprop	ND	5.5	1.10		Dinoseb	ND	2.7	1.10	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	74	0-123	

B-30	**12-03-1886-2-C**	**03/28/12 11:45**	**Aqueous**	**GC 40**	**04/02/12**	**04/04/12 12:22**	**120402L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	13	1		2,4-D	ND	5.0	1	
Dicamba	ND	0.50	1		2,4,5-TP (Silvex)	ND	0.50	1	
MCPP	ND	500	1		2,4,5-T	ND	0.50	1	
MCPA	ND	500	1		2,4-DB	ND	5.0	1	
Dichlorprop	ND	5.0	1		Dinoseb	ND	2.5	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	83	0-123	

Method Blank	**095-01-034-537**	**N/A**	**Aqueous**	**GC 40**	**04/02/12**	**04/04/12 11:17**	**120402L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	13	1		2,4-D	ND	5.0	1	
Dicamba	ND	0.50	1		2,4,5-TP (Silvex)	ND	0.50	1	
MCPP	ND	500	1		2,4,5-T	ND	0.50	1	
MCPA	ND	500	1		2,4-DB	ND	5.0	1	
Dichlorprop	ND	5.0	1		Dinoseb	ND	2.5	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	36	0-123	

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-28	**12-03-1886-1-A**	**03/28/12 09:30**	**Aqueous**	**GC/MS TT**	**03/29/12**	**04/02/12 19:50**	**120329L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	68	42-138		2-Fluorophenol	54	7-121	
Nitrobenzene-d5	68	50-146		p-Terphenyl-d14	79	47-173	
Phenol-d6	36	1-127		2,4,6-Tribromophenol	82	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-30	**12-03-1886-2-A**	**03/28/12 11:45**	**Aqueous**	**GC/MS TT**	**03/29/12**	**04/02/12 20:15**	**120329L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	82	42-138		2-Fluorophenol	62	7-121	
Nitrobenzene-d5	80	50-146		p-Terphenyl-d14	94	47-173	
Phenol-d6	40	1-127		2,4,6-Tribromophenol	102	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: Rincon Mushroom Farm			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-003-3,350**	**N/A**	**Aqueous**	**GC/MS TT**	**03/29/12**	**04/02/12 16:52**	**120329L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	72	42-138		2-Fluorophenol	61	7-121	
Nitrobenzene-d5	78	50-146		p-Terphenyl-d14	89	47-173	
Phenol-d6	40	1-127		2,4,6-Tribromophenol	98	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-28@9'	**12-03-1886-3-A**	**03/28/12 08:35**	**Solid**	**GC/MS CCC**	**03/29/12**	**03/30/12 20:02**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.50	1		2,4-Dimethylphenol	ND	0.50	1	
Acenaphthylene	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
Aniline	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Anthracene	ND	0.50	1		2,4-Dinitrotoluene	ND	0.50	1	
Azobenzene	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
Benzidine	ND	10	1		Fluoranthene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1		Fluorene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1		Hexachlorobenzene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1		Hexachlorocyclopentadiene	ND	2.5	1	
Benzo (k) Fluoranthene	ND	0.50	1		Hexachloroethane	ND	0.50	1	
Benzoic Acid	ND	2.5	1		Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Isophorone	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		2-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		1-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		2-Methylphenol	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1		3/4-Methylphenol	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1		N-Nitroso-di-n-propylamine	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1		N-Nitrosodimethylamine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Naphthalene	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		3-Nitroaniline	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1		2-Nitroaniline	ND	0.50	1	
Chrysene	ND	0.50	1		Nitrobenzene	ND	2.5	1	
Di-n-Butyl Phthalate	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1		2-Nitrophenol	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
Dibenzofuran	ND	0.50	1		Phenanthrene	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		Phenol	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Pyrene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		Pyridine	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1		1,2,4-Trichlorobenzene	ND	0.50	1	
2,4-Dichlorophenol	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1		2,4,5-Trichlorophenol	ND	0.50	1	
Dimethyl Phthalate	ND	0.50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	68	38-134		2-Fluorophenol	68	42-120	
Nitrobenzene-d5	64	42-150		p-Terphenyl-d14	97	35-167	
Phenol-d6	73	46-118		2,4,6-Tribromophenol	68	36-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-30@9'	**12-03-1886-4-A**	**03/28/12 10:40**	**Solid**	**GC/MS CCC**	**03/29/12**	**03/30/12 20:29**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.50	1		2,4-Dimethylphenol	ND	0.50	1	
Acenaphthylene	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
Aniline	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Anthracene	ND	0.50	1		2,4-Dinitrotoluene	ND	0.50	1	
Azobenzene	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
Benzidine	ND	10	1		Fluoranthene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1		Fluorene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1		Hexachlorobenzene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1		Hexachlorocyclopentadiene	ND	2.5	1	
Benzo (k) Fluoranthene	ND	0.50	1		Hexachloroethane	ND	0.50	1	
Benzoic Acid	ND	2.5	1		Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Isophorone	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		2-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		1-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		2-Methylphenol	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1		3/4-Methylphenol	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1		N-Nitroso-di-n-propylamine	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1		N-Nitrosodimethylamine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Naphthalene	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		3-Nitroaniline	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1		2-Nitroaniline	ND	0.50	1	
Chrysene	ND	0.50	1		Nitrobenzene	ND	2.5	1	
Di-n-Butyl Phthalate	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1		2-Nitrophenol	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
Dibenzofuran	ND	0.50	1		Phenanthrene	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		Phenol	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Pyrene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		Pyridine	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1		1,2,4-Trichlorobenzene	ND	0.50	1	
2,4-Dichlorophenol	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1		2,4,5-Trichlorophenol	ND	0.50	1	
Dimethyl Phthalate	ND	0.50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	70	38-134		2-Fluorophenol	76	42-120	
Nitrobenzene-d5	70	42-150		p-Terphenyl-d14	100	35-167	
Phenol-d6	81	46-118		2,4,6-Tribromophenol	72	36-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Rincon Mushroom Farm			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-549-2,159**	**N/A**	**Solid**	**GC/MS CCC**	**03/29/12**	**03/30/12 17:48**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.50	1		2,4-Dimethylphenol	ND	0.50	1	
Acenaphthylene	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
Aniline	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Anthracene	ND	0.50	1		2,4-Dinitrotoluene	ND	0.50	1	
Azobenzene	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
Benzidine	ND	10	1		Fluoranthene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1		Fluorene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1		Hexachlorobenzene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1		Hexachlorocyclopentadiene	ND	2.5	1	
Benzo (k) Fluoranthene	ND	0.50	1		Hexachloroethane	ND	0.50	1	
Benzoic Acid	ND	2.5	1		Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Isophorone	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		2-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		1-Methylnaphthalene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		2-Methylphenol	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1		3/4-Methylphenol	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1		N-Nitroso-di-n-propylamine	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1		N-Nitrosodimethylamine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Naphthalene	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		3-Nitroaniline	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1		2-Nitroaniline	ND	0.50	1	
Chrysene	ND	0.50	1		Nitrobenzene	ND	2.5	1	
Di-n-Butyl Phthalate	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1		2-Nitrophenol	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
Dibenzofuran	ND	0.50	1		Phenanthrene	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		Phenol	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Pyrene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		Pyridine	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1		1,2,4-Trichlorobenzene	ND	0.50	1	
2,4-Dichlorophenol	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1		2,4,5-Trichlorophenol	ND	0.50	1	
Dimethyl Phthalate	ND	0.50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	93	38-134		2-Fluorophenol	93	42-120	
Nitrobenzene-d5	102	42-150		p-Terphenyl-d14	109	35-167	
Phenol-d6	97	46-118		2,4,6-Tribromophenol	80	36-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received:	03/28/12
Work Order No:	12-03-1886
Preparation:	EPA 3010A Total
Method:	EPA 6010B
Units:	mg/L

Project: Rincon Mushroom Farm

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-28	**12-03-1886-1-G**	**03/28/12 09:30**	**Aqueous**	**ICP 5300**	**03/29/12**	**03/30/12 13:26**	**120329LA2**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Calcium	342	0.100	1		Potassium	104	0.500	1	
Magnesium	188	0.100	1		Sodium	66.0	0.500	1	

B-30	**12-03-1886-2-G**	**03/28/12 11:45**	**Aqueous**	**ICP 5300**	**03/29/12**	**03/30/12 13:27**	**120329LA2**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Calcium	212	0.100	1		Potassium	105	0.500	1	
Magnesium	140	0.100	1		Sodium	59.9	0.500	1	

Method Blank	**097-01-003-12,504**	**N/A**	**Aqueous**	**ICP 5300**	**03/29/12**	**03/30/12 12:30**	**120329LA2**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Calcium	ND	0.100	1		Potassium	ND	0.500	1	
Magnesium	ND	0.100	1		Sodium	ND	0.500	1	

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/28/12
Work Order No: 12-03-1886

Project: Rincon Mushroom Farm

Client Sample Number	Lab Sample Number	Date Collected	Matrix
B-28	**12-03-1886-1**	**03/28/12**	**Aqueous**

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	28	1.0	1		mg/L	N/A	03/28/12	EPA 300.0
Nitrate (as N)	0.28	0.10	1		mg/L	N/A	03/28/12	EPA 300.0
Sulfate	31	1.0	1		mg/L	N/A	03/28/12	EPA 300.0
Bicarbonate (as CaCO3)	161	5.00	1		mg/L	N/A	03/29/12	SM 2320B
Alkalinity, Total (as CaCO3)	161	5.00	1		mg/L	N/A	03/29/12	SM 2320B
Solids, Total Dissolved	295	1.00	1		mg/L	03/29/12	03/29/12	SM 2540 C

B-30	**12-03-1886-2**	**03/28/12**	**Aqueous**

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	28	1.0	1		mg/L	N/A	03/28/12	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	03/28/12	EPA 300.0
Sulfate	32	1.0	1		mg/L	N/A	03/28/12	EPA 300.0
Bicarbonate (as CaCO3)	166	5.00	1		mg/L	N/A	03/29/12	SM 2320B
Alkalinity, Total (as CaCO3)	166	5.00	1		mg/L	N/A	03/29/12	SM 2320B
Solids, Total Dissolved	300	1.00	1		mg/L	03/29/12	03/29/12	SM 2540 C

Method Blank		**N/A**	**Aqueous**

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	ND	1.0	1		mg/L	N/A	03/28/12	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	03/28/12	EPA 300.0
Sulfate	ND	1.0	1		mg/L	N/A	03/28/12	EPA 300.0
Bicarbonate (as CaCO3)	ND	1.0	1		mg/L	N/A	03/29/12	SM 2320B
Alkalinity, Total (as CaCO3)	ND	1.0	1		mg/L	N/A	03/29/12	SM 2320B
Solids, Total Dissolved	ND	1.0	1		mg/L	03/29/12	03/29/12	SM 2540 C

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/28/12
Work Order No: 12-03-1886
Preparation: EPA 3010A Total
Method: EPA 6010B

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-03-1892-1	**Aqueous**	**ICP 5300**	**03/29/12**	**03/30/12**	**120329SA2**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Calcium	0.5000	4X	4X	77-113	4X	0-11	Q
Magnesium	0.5000	4X	4X	56-140	4X	0-11	Q
Potassium	5.000	114	119	83-131	2	0-7	
Sodium	5.000	4X	4X	73-127	4X	0-9	Q

RPD - Relative Percent Difference , CL - Control Limit

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Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

Kiff Analytical		Date Received	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
12-03-1892-1	**Aqueous**	**ICP 5300**	**03/29/12**	**03/30/12**	**120329SA2**

Parameter	SPIKE ADDED	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Calcium	0.5000	4X	4X	75-125	4X	0-11	Q
Magnesium	0.5000	4X	4X	75-125	4X	0-11	Q
Potassium	5.000	108	109	75-125	1	0-7	
Sodium	5.000	4X	4X	75-125	4X	0-9	Q

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-30@9'	**Solid**	**GC 40**	**03/30/12**	**04/03/12**	**120330S08**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	400.0	74	86	30-130	15	0-30	
2,4,5-T	40.00	66	80	30-130	19	0-30	
2,4-DB	400.0	73	89	30-130	20	0-30	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8081A

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-03-1821-7	**Solid**	**GC 44**	**03/30/12**	**04/03/12**	**120330S05**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	25.00	89	93	50-135	4	0-25	
Alpha-BHC	25.00	91	94	50-135	3	0-25	
Beta-BHC	25.00	93	98	50-135	6	0-25	
4,4'-DDD	25.00	94	98	50-135	4	0-25	
4,4'-DDE	25.00	93	97	50-135	4	0-25	
4,4'-DDT	25.00	98	102	50-135	4	0-25	
Delta-BHC	25.00	89	93	50-135	4	0-25	
Dieldrin	25.00	92	96	50-135	4	0-25	
Endosulfan I	25.00	95	99	50-135	4	0-25	
Endosulfan II	25.00	94	98	50-135	4	0-25	
Endosulfan Sulfate	25.00	90	95	50-135	5	0-25	
Endrin	25.00	95	98	50-135	4	0-25	
Endrin Aldehyde	25.00	89	93	50-135	5	0-25	
Gamma-BHC	25.00	91	93	50-135	3	0-25	
Heptachlor	25.00	90	92	50-135	3	0-25	
Heptachlor Epoxide	25.00	88	92	50-135	4	0-25	
Methoxychlor	25.00	95	100	50-135	5	0-25	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-28@9'	**Solid**	**GC/MS CCC**	**03/29/12**	**03/30/12**	**120329S01**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Acenaphthene	10.00	91	92	49-133	1	0-18	
Acenaphthylene	10.00	91	92	50-150	0	0-20	
Butyl Benzyl Phthalate	10.00	104	102	50-150	2	0-20	
4-Chloro-3-Methylphenol	10.00	94	95	50-128	2	0-17	
2-Chlorophenol	10.00	89	90	57-111	2	0-17	
1,4-Dichlorobenzene	10.00	69	68	49-127	1	0-20	
Dimethyl Phthalate	10.00	89	89	50-150	0	0-20	
2,4-Dinitrotoluene	10.00	90	89	50-128	1	0-18	
Fluorene	10.00	90	90	50-150	1	0-20	
N-Nitroso-di-n-propylamine	10.00	100	101	54-144	1	0-17	
Naphthalene	10.00	84	85	50-150	1	0-20	
4-Nitrophenol	10.00	89	89	30-144	1	0-21	
Pentachlorophenol	10.00	71	71	29-113	1	0-22	
Phenol	10.00	91	93	57-123	2	0-16	
Pyrene	10.00	113	110	47-149	2	0-20	
1,2,4-Trichlorobenzene	10.00	77	78	42-132	1	0-20	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	03/28/12
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8141B

Project Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-28@9'	**Solid**	**GC 35**	**03/30/12**	**03/30/12**	**120330S06**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	4.000	91	92	30-130	1	0-30	
Bolstar	4.000	96	97	30-130	1	0-30	
Chlorpyrifos	4.000	86	88	30-130	2	0-30	
Coumaphos	4.000	94	96	30-130	2	0-30	
Diazinon	4.000	89	93	30-130	4	0-30	
Disulfoton	4.000	95	97	30-130	2	0-30	
Ethoprop	4.000	94	99	30-130	4	0-30	
Fensulfothion	4.000	94	96	30-130	2	0-30	
Fenthion	4.000	92	93	30-130	1	0-30	
Merphos	4.000	88	89	30-130	2	0-30	
Methyl Parathion	4.000	88	90	30-130	3	0-30	
Phorate	4.000	100	102	30-130	3	0-30	
Ronnel	4.000	85	88	30-130	3	0-30	
Stirophos	4.000	78	80	30-130	3	0-30	
Tokuthion	4.000	87	88	30-130	2	0-30	
Trichloronate	4.000	85	88	30-130	3	0-30	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 12-03-1886

Project: Rincon Mushroom Farm

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chloride	EPA 300.0	12-03-1844-6	03/28/12	N/A	92	92	80-120	0	0-20	
Nitrate (as N)	EPA 300.0	12-03-1844-6	03/28/12	N/A	91	91	80-120	0	0-20	
Sulfate	EPA 300.0	12-03-1844-6	03/28/12	N/A	91	91	80-120	0	0-20	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 12-03-1886

Project: Rincon Mushroom Farm

Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	SM 2320B	12-03-1821-9	03/29/12	162	162	0	0-25	
Bicarbonate (as CaCO3)	SM 2320B	12-03-1821-9	03/29/12	162	162	0	0-25	
Carbonate (as CaCO3)	SM 2320B	12-03-1821-9	03/29/12	ND	ND	NA	0-25	
Hydroxide (as CaCO3)	SM 2320B	12-03-1821-9	03/29/12	ND	ND	NA	0-25	
Solids, Total Dissolved	SM 2540 C	12-03-1945-1	03/29/12	1230	1240	0	0-10	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-12,504	**Aqueous**	**ICP 5300**	**03/29/12**	**03/30/12**	**120329LA2**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Calcium	0.5000	102	102	80-120	1	0-20	
Magnesium	0.5000	103	103	80-120	0	0-20	
Potassium	5.000	110	110	80-120	0	0-20	
Sodium	5.000	104	105	80-120	0	0-20	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-033-993	**Solid**	**GC 40**	**03/30/12**	**04/03/12**	**120330L08**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	400.0	59	58	30-130	2	0-30	
2,4,5-T	40.00	65	65	30-130	0	0-30	
2,4-DB	400.0	107	89	30-130	18	0-30	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 8151A
		Method:	EPA 8151A

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-034-537	**Aqueous**	**GC 40**	**04/02/12**	**04/04/12**	**120402L13**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	20.00	41	53	30-130	26	0-30	
2,4,5-T	2.000	36	44	30-130	20	0-30	
2,4-DB	20.00	42	54	30-130	25	0-30	

RPD - Relative Percent Difference , CL - Control Limit

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8270C

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-3,350	**Aqueous**	**GC/MS TT**	**03/29/12**	**04/02/12**	**120329L07**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Acenaphthene	200.0	76	75	55-139	41-153	0	0-17	
Acenaphthylene	200.0	76	74	33-145	14-164	2	0-20	
Butyl Benzyl Phthalate	200.0	77	75	0-152	0-177	2	0-20	
4-Chloro-3-Methylphenol	200.0	71	70	55-121	44-132	1	0-18	
2-Chlorophenol	200.0	77	75	53-113	43-123	2	0-17	
1,4-Dichlorobenzene	200.0	63	61	50-122	38-134	3	0-19	
Dimethyl Phthalate	200.0	77	76	0-112	0-131	1	0-20	
2,4-Dinitrotoluene	200.0	77	76	41-161	21-181	2	0-22	
Fluorene	200.0	79	78	59-121	49-131	1	0-20	
N-Nitroso-di-n-propylamine	200.0	69	67	56-146	41-161	2	0-22	
Naphthalene	200.0	73	72	21-133	2-152	1	0-20	
4-Nitrophenol	200.0	32	31	1-145	0-169	4	0-29	
Pentachlorophenol	200.0	79	77	34-130	18-146	3	0-23	
Phenol	200.0	39	38	4-142	0-165	2	0-24	
Pyrene	200.0	80	76	38-170	16-192	6	0-27	
1,2,4-Trichlorobenzene	200.0	78	76	49-121	37-133	2	0-19	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8081A

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-537-1,165	**Solid**	**GC 44**	**03/30/12**	**04/03/12**	**120330L05**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Aldrin	25.00	90	87	50-135	36-149	4	0-25	
Alpha-BHC	25.00	98	97	50-135	36-149	0	0-25	
Beta-BHC	25.00	101	101	50-135	36-149	0	0-25	
4,4'-DDD	25.00	102	104	50-135	36-149	1	0-25	
4,4'-DDE	25.00	105	105	50-135	36-149	0	0-25	
4,4'-DDT	25.00	108	108	50-135	36-149	0	0-25	
Delta-BHC	25.00	99	99	50-135	36-149	0	0-25	
Dieldrin	25.00	103	103	50-135	36-149	1	0-25	
Endosulfan I	25.00	100	100	50-135	36-149	1	0-25	
Endosulfan II	25.00	104	105	50-135	36-149	1	0-25	
Endosulfan Sulfate	25.00	101	102	50-135	36-149	0	0-25	
Endrin	25.00	107	107	50-135	36-149	0	0-25	
Endrin Aldehyde	25.00	99	99	50-135	36-149	0	0-25	
Gamma-BHC	25.00	100	100	50-135	36-149	0	0-25	
Heptachlor	25.00	98	98	50-135	36-149	0	0-25	
Heptachlor Epoxide	25.00	97	97	50-135	36-149	0	0-25	
Methoxychlor	25.00	107	106	50-135	36-149	1	0-25	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8081A

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-529-523	**Aqueous**	**GC 44**	**03/29/12**	**04/03/12**	**120329L09**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	100	97	50-135	36-149	3	0-25	
Gamma-BHC	0.5000	99	96	50-135	36-149	3	0-25	
Beta-BHC	0.5000	99	101	50-135	36-149	2	0-25	
Heptachlor	0.5000	89	87	50-135	36-149	2	0-25	
Delta-BHC	0.5000	93	90	50-135	36-149	3	0-25	
Aldrin	0.5000	79	76	50-135	36-149	3	0-25	
Heptachlor Epoxide	0.5000	97	94	50-135	36-149	3	0-25	
Endosulfan I	0.5000	107	106	50-135	36-149	1	0-25	
Dieldrin	0.5000	99	96	50-135	36-149	3	0-25	
4,4'-DDE	0.5000	85	82	50-135	36-149	3	0-25	
Endrin	0.5000	101	99	50-135	36-149	3	0-25	
Endrin Aldehyde	0.5000	95	89	50-135	36-149	6	0-25	
4,4'-DDD	0.5000	93	91	50-135	36-149	2	0-25	
Endosulfan II	0.5000	103	99	50-135	36-149	4	0-25	
4,4'-DDT	0.5000	101	97	50-135	36-149	4	0-25	
Endosulfan Sulfate	0.5000	96	93	50-135	36-149	3	0-25	
Methoxychlor	0.5000	96	93	50-135	36-149	3	0-25	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-549-2,159	**Solid**	**GC/MS CCC**	**03/29/12**	**03/30/12**	**120329L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Acenaphthene	10.00	103	103	59-125	48-136	1	0-15	
Acenaphthylene	10.00	102	102	33-145	14-164	0	0-20	
Butyl Benzyl Phthalate	10.00	111	111	0-152	0-177	1	0-20	
4-Chloro-3-Methylphenol	10.00	111	110	61-121	51-131	1	0-14	
2-Chlorophenol	10.00	108	107	60-114	51-123	0	0-15	
1,4-Dichlorobenzene	10.00	102	102	61-121	51-131	0	0-21	
Dimethyl Phthalate	10.00	102	103	0-112	0-131	1	0-20	
2,4-Dinitrotoluene	10.00	98	99	51-141	36-156	1	0-16	
Fluorene	10.00	101	101	59-121	49-131	0	0-20	
N-Nitroso-di-n-propylamine	10.00	114	113	64-136	52-148	1	0-15	
Naphthalene	10.00	104	105	21-133	2-152	1	0-20	
4-Nitrophenol	10.00	110	111	38-152	19-171	0	0-31	
Pentachlorophenol	10.00	90	90	38-116	25-129	1	0-20	
Phenol	10.00	110	110	59-125	48-136	0	0-15	
Pyrene	10.00	117	118	51-141	36-156	1	0-14	
1,2,4-Trichlorobenzene	10.00	97	98	58-118	48-128	1	0-18	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3510C
		Method:	EPA 8141B

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-957-120	**Aqueous**	**GC 35**	**03/30/12**	**04/02/12**	**120330L02**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	0.04000	96	95	30-130	13-147	1	0-30	
Bolstar	0.04000	97	101	30-130	13-147	4	0-30	
Chlorpyrifos	0.04000	91	92	30-130	13-147	1	0-30	
Coumaphos	0.04000	99	99	30-130	13-147	1	0-30	
Diazinon	0.04000	95	100	30-130	13-147	5	0-30	
Disulfoton	0.04000	96	101	30-130	13-147	5	0-30	
Ethoprop	0.04000	98	106	30-130	13-147	8	0-30	
Fensulfothion	0.04000	101	106	30-130	13-147	5	0-30	
Fenthion	0.04000	94	97	30-130	13-147	3	0-30	
Merphos	0.04000	100	103	30-130	13-147	3	0-30	
Methyl Parathion	0.04000	93	95	30-130	13-147	2	0-30	
Phorate	0.04000	100	107	30-130	13-147	7	0-30	
Ronnel	0.04000	91	91	30-130	13-147	0	0-30	
Stirophos	0.04000	86	86	30-130	13-147	0	0-30	
Tokuthion	0.04000	90	91	30-130	13-147	1	0-30	
Trichloronate	0.04000	89	91	30-130	13-147	1	0-30	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	12-03-1886
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8141B

Project: Rincon Mushroom Farm

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-465-111	**Solid**	**GC 35**	**03/30/12**	**03/30/12**	**120330L06**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	4.000	96	92	30-130	13-147	4	0-30	
Bolstar	4.000	99	96	30-130	13-147	3	0-30	
Chlorpyrifos	4.000	94	86	30-130	13-147	10	0-30	
Coumaphos	4.000	98	93	30-130	13-147	5	0-30	
Diazinon	4.000	109	93	30-130	13-147	16	0-30	
Disulfoton	4.000	111	95	30-130	13-147	16	0-30	
Ethoprop	4.000	112	101	30-130	13-147	10	0-30	
Fensulfothion	4.000	102	100	30-130	13-147	2	0-30	
Fenthion	4.000	99	91	30-130	13-147	8	0-30	
Merphos	4.000	99	94	30-130	13-147	5	0-30	
Methyl Parathion	4.000	99	89	30-130	13-147	11	0-30	
Phorate	4.000	114	98	30-130	13-147	14	0-30	
Ronnel	4.000	94	85	30-130	13-147	11	0-30	
Stirophos	4.000	86	80	30-130	13-147	7	0-30	
Tokuthion	4.000	92	86	30-130	13-147	7	0-30	
Trichloronate	4.000	93	85	30-130	13-147	9	0-30	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 12-03-1886

Project: Rincon Mushroom Farm

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
Chloride	EPA 300.0	099-12-906-2,575	N/A	03/28/12	99	99	90-110	0	0-15	
Nitrate (as N)	EPA 300.0	099-12-906-2,575	N/A	03/28/12	97	97	90-110	0	0-15	
Sulfate	EPA 300.0	099-12-906-2,575	N/A	03/28/12	98	98	90-110	0	0-15	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-03-1886

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

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

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KIFF Analytical LLC

2795 Second Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4808

Calscience
7440 Lincoln Way
Garden Grove, CA 92841-1427
714-895-5494

12-03-1886

COC No. 80810 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Jennifer Worsley

EDF Report? NO

Company/Address: Kiff Analytical

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

Phone No.: 530-297-4800 FAX No.: 530-297-4808

Project Number: P.O. No.: 80810

Deliverables to (Email Address): inbox@kiffanalytical.com

Project Name: Rincon Mushroom Farm

Project Address:

Analysis Request — Due Date: April 4, 2012

	Sample Designation	Sampling Date	Sampling Time	1-L Amber None	1-L Poly None	250ml Poly HNO3	125ml Poly Na2S2O	Sleeve None	Soil	Water	Coliforms by SM9221 (1)	General Minerals	Herbicides by EPA 8151A	Organochlorine Pesticides	Organophosphorus Pesticides	Semi-Volatile Organics by EPA 8270	Due Date	For Lab Use Only
1	B-28	03/28/12	09:30	4	2	1	1			X	X	X	X	X	X	X	X	
2	B-30	03/28/12	11:45	4	2	1	1			X	X	X	X	X	X	X	X	
3	B-28@9'	03/28/12	08:35					1	X		X		X	X	X	X	X	
4	B-30@9'	03/28/12	10:40					1	X		X		X	X	X	X	X	

Relinquished by:	Date	Time	Received by:
Kiff Analytical Rep	3/28/12	1608	
Relinquished by	Date	Time	Received by:
Relinquished by	Date	Time	Received by Laboratory.
	3/28/12	16:08	Danyle CU

Remarks: Please refer to attached Test Detail.General Minerals: total alkalinity, bicarbonate as CaCO3, chloride, Nitrate as N, Sulfate as SO4, TDS, Ca, Mg, K, and Na.

Bill to: Accounts Payable

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1886

Test Detail for Kiff Work Order: 80810

Coliforms by SM9221 (1)
E. Coli
Fecal Coliforms
Total Coliforms

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-03-1886

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: KIFF

DATE: 03/28/12

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 1.9 °C - 0.3 °C (CF) = 1.6 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: D.L

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: D.L

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: D.L

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☐	☐	☑
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☑4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (S) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB (4) ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☑1PB (2) ☐1PB**na** ☐500PB

☐250PB ☑250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☑100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** D.L

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** YL

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** YL

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Calscience Environmental Laboratories, Inc.

Subcontractor Analysis Report

Work Order # 12-03-1886

One or more samples in this Work Order have tests that were subcontracted. The subcontract report(s) follows.

For subcontracted tests, please reference the laboratory information noted below.

1 Silliker Inc. - Cypress,CA CA ELAP 1534

Microbiology

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SILLIKER
a Mérieux NutriSciences Company

CERTIFICATE OF ANALYSIS

SILLIKER, Inc.
Southern California Laboratory
6360 Gateway Drive, Cypress, CA 90630
Tel. 209/ 549 7508 Fax. 714/ 226 0009

COA No:	SCA-35192369-0
Supersedes:	None
COA Date	3/30/12
Page 1 of 2	

TO:
Ms. Amanda Porter
Project Manager
Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841-1432

Received From:	Garden Grove, CA
Received Date:	3/28/12
P.O.# / ID:	12-03-1886
Location of Test: (except where noted)	Cypress, CA

Analytical Results

Desc. 1: Sample ID: B-28
Desc. 2: Date: 3/28/2012
Desc. 3: Time: 9:30
Desc. 4: Matrix: W
Desc. 5: Project: 12-03-1886

Laboratory ID: 332034454
Condition Rec'd: NORMAL
Temp Rec'd (°C): 2.1

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/30/12	
E. coli - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/30/12	
Fecal Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/30/12	

Desc. 1: Sample ID: B-30
Desc. 2: Date: 3/28/2012
Desc. 3: Time: 11:45
Desc. 4: Matrix: W
Desc. 5: Project: 12-03-1886

Laboratory ID: 332034455
Condition Rec'd: NORMAL
Temp Rec'd (°C): 2.1

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/30/12	
E. coli - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/30/12	
Fecal Coliforms - 5 tube MPN	<20	/100mL	SMEWW 20th, 9221A-E	3/30/12	

Desc. 1: B-28@9'
Desc. 2: Date: 3/28/2012
Desc. 3: Time: 8:35
Desc. 4: Matrix: S
Desc. 5: Project #: 12-03-1886

Laboratory ID: 332034461
Condition Rec'd: NORMAL
Temp Rec'd (°C): 2.1

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 3 tube MPN	<30	/g	AOAC 966.24	3/30/12	
E. coli - 3 tube MPN	<30	/g	AOAC 966.24	3/30/12	
Fecal Coliforms - 3 tube MPN	<30	/g	CMMEF, 4th ed.	3/30/12	

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SILLIKER
a Mérieux NutriSciences Company

CERTIFICATE OF ANALYSIS

SILLIKER, Inc.
Southern California Laboratory
6360 Gateway Drive, Cypress, CA 90630
Tel. 209/ 549 7508 Fax. 714/ 226 0009

COA No:	SCA-35192369-0
Supersedes:	None
COA Date	3/30/12
Page 2 of 2	

TO:
Ms. Amanda Porter
Project Manager
Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841-1432

Received From:	Garden Grove, CA
Received Date:	3/28/12
P.O.# / ID:	12-03-1886
Location of Test: (except where noted)	Cypress, CA

Analytical Results

Desc. 1:	B-30@9'	**Laboratory ID:**	332034463
Desc. 2:	Date: 3/28/2012	**Condition Rec'd:**	NORMAL
Desc. 3:	Time: 10:40	**Temp Rec'd (°C):**	2.1
Desc. 4:	Matrix: S		
Desc. 5:	Project #: 12-03-1886		

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 3 tube MPN	<30	/g	AOAC 966.24	3/30/12	
E. coli - 3 tube MPN	<30	/g	AOAC 966.24	3/30/12	
Fecal Coliforms - 3 tube MPN	<30	/g	CMMEF, 4th ed.	3/30/12	

Jorge Hernandez — Laboratory Director

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Except as otherwise stated, Silliker, Inc. Terms and Conditions for Testing Services apply.

Report Number : 80842

Date : 04/09/2012

Laboratory Results

Steve Lane
Applied Engineering & Geology, Inc.
P. O. Box 247
Lincoln, CA 95648

Subject : 6 Soil Samples and 11 Water Samples
Project Name : Rincon Mushroom Farm
Project Number :

Dear Mr. Lane,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

Report Number : 80842

Date : 04/09/2012

Subject : 6 Soil Samples and 11 Water Samples
Project Name : Rincon Mushroom Farm
Project Number :

Case Narrative

All soil samples were reported on a total weight (wet weight) basis.Matrix Spike/Matrix Spike Duplicate results associated with samples B-32@10' and B-29@9' for the analytes Ethylbenzene and P + M Xylene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-33@9'** Matrix : Soil Lab Number : 80842-02

Sample Date :03/29/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:10
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:10
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:10
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:10
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:10
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:10
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:10
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:10
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:10
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	04/06/12 22:10
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	04/06/12 22:10
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/06/12 22:10
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:10
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:10
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	04/06/12 22:10
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	04/06/12 22:10
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	04/03/12 19:35
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	04/03/12 19:35
Octacosane (Diesel Surrogate)	86.3		% Recovery	M EPA 8015	04/03/12 19:35

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-26@9'** Matrix : Soil Lab Number : 80842-03

Sample Date :03/29/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:48
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:48
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:48
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:48
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:48
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:48
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:48
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:48
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:48
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	04/06/12 22:48
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	04/06/12 22:48
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/06/12 22:48
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:48
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/12 22:48
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	04/06/12 22:48
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	04/06/12 22:48
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	04/03/12 23:29
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	04/03/12 23:29
Octacosane (Diesel Surrogate)	86.6		% Recovery	M EPA 8015	04/03/12 23:29

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-32@10'** Matrix : Soil Lab Number : 80842-04

Sample Date :03/29/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 15:54
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 15:54
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 15:54
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 15:54
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 15:54
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 15:54
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 15:54
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 15:54
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 15:54
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	04/09/12 15:54
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	04/09/12 15:54
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/09/12 15:54
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 15:54
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 15:54
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	04/09/12 15:54
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	04/09/12 15:54
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	04/03/12 20:33
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	04/03/12 20:33
Octacosane (Diesel Surrogate)	85.3		% Recovery	M EPA 8015	04/03/12 20:33

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-27@9'** Matrix : Soil Lab Number : 80842-05

Sample Date :03/29/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:08
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:08
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:08
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:08
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:08
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:08
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:08
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:08
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:08
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	04/07/12 00:08
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	04/07/12 00:08
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/07/12 00:08
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:08
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:08
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	04/07/12 00:08
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	04/07/12 00:08
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	04/04/12 03:52
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	04/04/12 03:52
Octacosane (Diesel Surrogate)	89.3		% Recovery	M EPA 8015	04/04/12 03:52

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-31@9'** Matrix : Soil Lab Number : 80842-06

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:45
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:45
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:45
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:45
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:45
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:45
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:45
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:45
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:45
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	04/07/12 00:45
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	04/07/12 00:45
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/07/12 00:45
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:45
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/07/12 00:45
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	04/07/12 00:45
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	04/07/12 00:45
TPH as Diesel	**13**	1.0	mg/Kg	M EPA 8015	04/04/12 01:56
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil	**68**	10	mg/Kg	M EPA 8015	04/04/12 01:56
Octacosane (Diesel Surrogate)	89.6		% Recovery	M EPA 8015	04/04/12 01:56

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-29@9'** Matrix : Soil Lab Number : 80842-07

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 16:29
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 16:29
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 16:29
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 16:29
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 16:29
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 16:29
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 16:29
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 16:29
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 16:29
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	04/09/12 16:29
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	04/09/12 16:29
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/09/12 16:29
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 16:29
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/12 16:29
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	04/09/12 16:29
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	04/09/12 16:29
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	04/03/12 22:31
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	04/03/12 22:31
Octacosane (Diesel Surrogate)	86.6		% Recovery	M EPA 8015	04/03/12 22:31

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **Mushroom Domestic** Matrix : Water Lab Number : 80842-08

Sample Date :03/29/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:16
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:16
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:16
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:16
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:16
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/04/12 12:16
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	04/04/12 12:16
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	04/04/12 12:16
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/06/12 10:57
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/06/12 10:57
Octacosane (Diesel Surrogate)	103		% Recovery	M EPA 8015	04/06/12 10:57

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-33** Matrix : Water Lab Number : 80842-09

Sample Date :03/29/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:48
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:48
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:48
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:48
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:48
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:48
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:48
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:48
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/12 12:48
Methanol	< 50	50	ug/L	EPA 8260B	04/04/12 12:48
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/12 12:48
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/04/12 12:48
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:48
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 12:48
1,2-Dichloroethane-d4 (Surr)	99.5		% Recovery	EPA 8260B	04/04/12 12:48
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	04/04/12 12:48
TPH as Diesel	**85**	50	ug/L	M EPA 8015	04/06/12 00:14
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/06/12 00:14
Octacosane (Diesel Surrogate)	96.6		% Recovery	M EPA 8015	04/06/12 00:14

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-3** Matrix : Water Lab Number : 80842-10

Sample Date :03/29/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 20:36
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 20:36
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 20:36
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 20:36
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 20:36
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/03/12 20:36
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	04/03/12 20:36
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	04/03/12 20:36
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/06/12 00:48
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/06/12 00:48
Octacosane (Diesel Surrogate)	93.3		% Recovery	M EPA 8015	04/06/12 00:48

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-2** Matrix : Water Lab Number : 80842-11

Sample Date :03/29/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 21:05
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 21:05
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 21:05
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 21:05
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 21:05
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/03/12 21:05
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	04/03/12 21:05
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	04/03/12 21:05
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/05/12 16:08
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/05/12 16:08
Octacosane (Diesel Surrogate)	103		% Recovery	M EPA 8015	04/05/12 16:08

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-1** Matrix : Water Lab Number : 80842-12

Sample Date :03/29/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 20:38
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 20:38
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 20:38
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 20:38
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/12 20:38
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/03/12 20:38
1,2-Dichloroethane-d4 (Surr)	98.9		% Recovery	EPA 8260B	04/03/12 20:38
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	04/03/12 20:38
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/06/12 01:23
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/06/12 01:23
Octacosane (Diesel Surrogate)	99.0		% Recovery	M EPA 8015	04/06/12 01:23

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-27** Matrix : Water Lab Number : 80842-13

Sample Date :03/29/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 13:19
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 13:19
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 13:19
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 13:19
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 13:19
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 13:19
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 13:19
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 13:19
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/12 13:19
Methanol	< 50	50	ug/L	EPA 8260B	04/04/12 13:19
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/12 13:19
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/04/12 13:19
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 13:19
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 13:19
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	04/04/12 13:19
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	04/04/12 13:19
TPH as Diesel	**100**	50	ug/L	M EPA 8015	04/05/12 22:31
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/05/12 22:31
Octacosane (Diesel Surrogate)	97.3		% Recovery	M EPA 8015	04/05/12 22:31

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-32** Matrix : Water Lab Number : 80842-14

Sample Date :03/29/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**0.62**	0.50	ug/L	EPA 8260B	04/04/12 11:45
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 11:45
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 11:45
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 11:45
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 11:45
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 11:45
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 11:45
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 11:45
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/12 11:45
Methanol	< 50	50	ug/L	EPA 8260B	04/04/12 11:45
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/12 11:45
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/04/12 11:45
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 11:45
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 11:45
1,2-Dichloroethane-d4 (Surr)	99.9		% Recovery	EPA 8260B	04/04/12 11:45
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	04/04/12 11:45
TPH as Diesel	**100**	50	ug/L	M EPA 8015	04/05/12 23:05
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil	**130**	100	ug/L	M EPA 8015	04/05/12 23:05
Octacosane (Diesel Surrogate)	97.9		% Recovery	M EPA 8015	04/05/12 23:05

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-29** Matrix : Water Lab Number : 80842-15

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 23:03
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 23:03
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 23:03
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 23:03
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 23:03
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 23:03
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 23:03
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 23:03
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/12 23:03
Methanol	< 50	50	ug/L	EPA 8260B	04/04/12 23:03
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/12 23:03
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/04/12 23:03
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 23:03
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 23:03
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	04/04/12 23:03
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	04/04/12 23:03
TPH as Diesel	**97**	50	ug/L	M EPA 8015	04/05/12 19:03
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/05/12 19:03
Octacosane (Diesel Surrogate)	101		% Recovery	M EPA 8015	04/05/12 19:03

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-26** Matrix : Water Lab Number : 80842-16

Sample Date :03/29/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:22
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:22
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:22
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:22
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:22
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:22
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:22
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:22
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/12 14:22
Methanol	< 50	50	ug/L	EPA 8260B	04/04/12 14:22
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/12 14:22
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/04/12 14:22
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:22
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:22
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	04/04/12 14:22
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	04/04/12 14:22
TPH as Diesel	**84**	50	ug/L	M EPA 8015	04/05/12 19:38
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/05/12 19:38
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	04/05/12 19:38

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-7** Matrix : Water Lab Number : 80842-17

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:53
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:53
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:53
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:53
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 14:53
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/04/12 14:53
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	04/04/12 14:53
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	04/04/12 14:53
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/05/12 21:22
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/05/12 21:22
Octacosane (Diesel Surrogate)	97.8		% Recovery	M EPA 8015	04/05/12 21:22

KIFF Analytical LLC

Report Number : 80842

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **B-31** Matrix : Water Lab Number : 80842-18

Sample Date :03/28/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 15:25
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 15:25
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 15:25
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 15:25
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 15:25
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 15:25
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 15:25
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 15:25
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/12 15:25
Methanol	< 50	50	ug/L	EPA 8260B	04/04/12 15:25
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/12 15:25
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/04/12 15:25
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 15:25
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/12 15:25
1,2-Dichloroethane-d4 (Surr)	99.3		% Recovery	EPA 8260B	04/04/12 15:25
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	04/04/12 15:25
TPH as Diesel	**94**	50	ug/L	M EPA 8015	04/05/12 21:56
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil	**100**	100	ug/L	M EPA 8015	04/05/12 21:56
Octacosane (Diesel Surrogate)	100		% Recovery	M EPA 8015	04/05/12 21:56

Report Number : 80842

Date : 04/09/2012

QC Report : Method Blank Data

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	04/03/2012
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	04/03/2012
Octacosane (Diesel Surrogate)	83.4		%	M EPA 8015	04/03/2012
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/05/2012
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/05/2012
Octacosane (Diesel Surrogate)	101		%	M EPA 8015	04/05/2012
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/06/2012
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/06/2012
Octacosane (Diesel Surrogate)	99.6		%	M EPA 8015	04/06/2012
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/2012
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/2012
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/2012
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/2012
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/2012
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	04/06/2012
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/2012
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	04/06/2012
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/2012
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/2012
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/2012
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/06/2012
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/2012
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/06/2012
1,2-Dichloroethane-d4 (Surr)	106		%	EPA 8260B	04/06/2012
Toluene - d8 (Surr)	99.8		%	EPA 8260B	04/06/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/2012
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/2012
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/2012
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/2012
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/2012
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	04/09/2012
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/2012
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	04/09/2012
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/2012
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/2012
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/2012
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/09/2012
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/2012
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/09/2012
1,2-Dichloroethane-d4 (Surr)	105		%	EPA 8260B	04/09/2012
Toluene - d8 (Surr)	98.9		%	EPA 8260B	04/09/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/03/2012
1,2-Dichloroethane-d4 (Surr)	99.6		%	EPA 8260B	04/03/2012
Toluene - d8 (Surr)	105		%	EPA 8260B	04/03/2012

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80842

QC Report : Method Blank Data

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/2012
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Methanol	< 50	50	ug/L	EPA 8260B	04/04/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/2012
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/04/2012
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	04/04/2012
Toluene - d8 (Surr)	106		%	EPA 8260B	04/04/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/03/2012
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	04/03/2012
Toluene - d8 (Surr)	101		%	EPA 8260B	04/03/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/2012
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Methanol	< 50	50	ug/L	EPA 8260B	04/04/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/04/2012
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/04/2012
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	04/04/2012
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	04/04/2012
Toluene - d8 (Surr)	101		%	EPA 8260B	04/04/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/03/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/03/2012
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	04/03/2012
Toluene - d8 (Surr)	99.7		%	EPA 8260B	04/03/2012

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80842

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel														
	80821-02	16	19.7	19.7	36.7	32.6	mg/Kg	M EPA 8015	4/3/12	102	81.4	22.7	60-140	25
TPH as Diesel														
	BLANK	<50	1000	1000	1000	999	ug/L	M EPA 8015	4/5/12	100	99.9	0.158	70-130	25
TPH as Diesel														
	BLANK	<50	1000	1000	1020	971	ug/L	M EPA 8015	4/6/12	102	97.1	4.88	70-130	25
Benzene														
	80842-10	<0.50	40.0	40.0	39.8	38.3	ug/L	EPA 8260B	4/3/12	99.4	95.9	3.65	80-120	25
Ethylbenzene														
	80842-10	<0.50	40.0	40.0	42.8	41.4	ug/L	EPA 8260B	4/3/12	107	103	3.35	80-120	25
Methyl-t-butyl ether														
	80842-10	<0.50	40.0	40.0	38.0	37.7	ug/L	EPA 8260B	4/3/12	94.9	94.2	0.802	69.7-121	25
P + M Xylene														
	80842-10	<0.50	40.0	40.0	41.1	40.2	ug/L	EPA 8260B	4/3/12	103	100	2.45	76.8-120	25
Toluene														
	80842-10	<0.50	40.0	40.0	43.2	41.4	ug/L	EPA 8260B	4/3/12	108	104	4.26	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80842

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,2-Dibromoethane														
	80873-04	<0.50	40.2	40.2	44.6	43.4	ug/L	EPA 8260B	4/4/12	111	108	2.68	80-120	25
1,2-Dichloroethane														
	80873-04	<0.50	40.0	40.0	41.7	40.9	ug/L	EPA 8260B	4/4/12	104	102	2.01	75.7-122	25
Benzene														
	80873-04	1.7	40.0	40.0	41.5	39.9	ug/L	EPA 8260B	4/4/12	99.7	95.6	4.18	80-120	25
Diisopropyl ether														
	80873-04	1.2	39.5	39.5	38.9	38.0	ug/L	EPA 8260B	4/4/12	95.4	93.0	2.49	80-120	25
Ethanol														
	80873-04	<5.0	100	100	117	112	ug/L	EPA 8260B	4/4/12	117	112	4.68	55.1-159	25
Ethyl-tert-butyl ether														
	80873-04	<0.50	40.0	40.0	37.3	40.1	ug/L	EPA 8260B	4/4/12	93.3	100	7.26	76.5-120	25
Ethylbenzene														
	80873-04	3.1	40.0	40.0	45.8	43.4	ug/L	EPA 8260B	4/4/12	107	101	5.65	80-120	25
Methanol														
	80873-04	<50	1000	1000	1470	1310	ug/L	EPA 8260B	4/4/12	147	131	11.9	53.2-147	25
Methyl-t-butyl ether														
	80873-04	2.6	40.0	40.0	36.6	40.8	ug/L	EPA 8260B	4/4/12	85.1	95.6	11.6	69.7-121	25
P + M Xylene														
	80873-04	1.8	40.0	40.0	43.1	41.5	ug/L	EPA 8260B	4/4/12	103	99.4	3.91	76.8-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80842

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Tert-Butanol														
	80873-04	9.5	201	201	216	213	ug/L	EPA 8260B	4/4/12	103	101	1.80	80-120	25
Tert-amyl-methyl ether														
	80873-04	<0.50	39.4	39.4	38.5	41.4	ug/L	EPA 8260B	4/4/12	97.5	105	7.24	78.9-120	25
Toluene														
	80873-04	<0.50	40.0	40.0	43.3	41.4	ug/L	EPA 8260B	4/4/12	108	103	4.56	80-120	25
Benzene														
	80842-11	<0.50	40.0	40.0	42.6	41.0	ug/L	EPA 8260B	4/3/12	106	102	3.72	80-120	25
Ethylbenzene														
	80842-11	<0.50	40.0	40.0	43.4	41.9	ug/L	EPA 8260B	4/3/12	108	105	3.48	80-120	25
Methyl-t-butyl ether														
	80842-11	<0.50	40.0	40.0	38.9	39.4	ug/L	EPA 8260B	4/3/12	97.1	98.6	1.50	69.7-121	25
P + M Xylene														
	80842-11	<0.50	40.0	40.0	42.6	41.5	ug/L	EPA 8260B	4/3/12	106	104	2.58	76.8-120	25
Toluene														
	80842-11	<0.50	40.0	40.0	43.9	41.2	ug/L	EPA 8260B	4/3/12	110	103	6.44	80-120	25
1,2-Dibromoethane														
	80873-08	<0.50	40.2	40.2	43.8	42.6	ug/L	EPA 8260B	4/4/12	109	106	2.66	80-120	25

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Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,2-Dichloroethane														
	80873-08	<0.50	40.0	40.0	41.9	40.5	ug/L	EPA 8260B	4/4/12	105	101	3.29	75.7-122	25
Benzene														
	80873-08	2.4	40.0	40.0	44.9	42.8	ug/L	EPA 8260B	4/4/12	106	101	5.17	80-120	25
Diisopropyl ether														
	80873-08	<0.50	39.5	39.5	42.5	42.0	ug/L	EPA 8260B	4/4/12	108	106	1.28	80-120	25
Ethanol														
	80873-08	<5.0	100	100	98.2	105	ug/L	EPA 8260B	4/4/12	98.0	105	6.96	55.1-159	25
Ethyl-tert-butyl ether														
	80873-08	<0.50	40.0	40.0	40.9	40.5	ug/L	EPA 8260B	4/4/12	102	101	0.984	76.5-120	25
Ethylbenzene														
	80873-08	3.9	40.0	40.0	47.8	45.2	ug/L	EPA 8260B	4/4/12	110	103	6.15	80-120	25
Methanol														
	80873-08	<50	1000	1000	1020	1010	ug/L	EPA 8260B	4/4/12	102	101	0.454	53.2-147	25
Methyl-t-butyl ether														
	80873-08	<0.50	40.0	40.0	40.6	39.9	ug/L	EPA 8260B	4/4/12	101	99.7	1.63	69.7-121	25
P + M Xylene														
	80873-08	11	40.0	40.0	55.7	52.4	ug/L	EPA 8260B	4/4/12	111	102	7.79	76.8-120	25
Tert-Butanol														
	80873-08	<5.0	201	201	204	199	ug/L	EPA 8260B	4/4/12	101	99.0	2.42	80-120	25

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Project Number :

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Tert-amyl-methyl ether														
	80873-08	<0.50	39.4	39.4	41.8	41.5	ug/L	EPA 8260B	4/4/12	106	105	0.647	78.9-120	25
Toluene														
	80873-08	<0.50	40.0	40.0	43.9	41.0	ug/L	EPA 8260B	4/4/12	110	103	6.76	80-120	25
Benzene														
	80842-12	<0.50	40.0	40.0	41.5	39.2	ug/L	EPA 8260B	4/3/12	104	98.0	5.59	80-120	25
Ethylbenzene														
	80842-12	<0.50	40.0	40.0	42.4	39.9	ug/L	EPA 8260B	4/3/12	106	99.7	6.03	80-120	25
Methyl-t-butyl ether														
	80842-12	<0.50	40.0	40.0	41.1	39.4	ug/L	EPA 8260B	4/3/12	103	98.5	4.32	69.7-121	25
P + M Xylene														
	80842-12	<0.50	40.0	40.0	41.8	39.7	ug/L	EPA 8260B	4/3/12	104	99.3	5.04	76.8-120	25
Toluene														
	80842-12	<0.50	40.0	40.0	42.1	39.7	ug/L	EPA 8260B	4/3/12	105	99.2	5.82	80-120	25
1,2-Dibromoethane														
	80843-02	<0.0050	0.0396	0.0394	0.0376	0.0384	mg/Kg	EPA 8260B	4/6/12	95.1	97.5	2.51	67.2-121	25
1,2-Dichloroethane														
	80843-02	<0.0050	0.0394	0.0392	0.0366	0.0364	mg/Kg	EPA 8260B	4/6/12	92.8	93.0	0.104	64.0-124	25

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Benzene														
	80843-02	<0.0050	0.0394	0.0392	0.0378	0.0378	mg/Kg	EPA 8260B	4/6/12	96.1	96.4	0.336	67.9-120	25
Diisopropyl ether														
	80843-02	<0.0050	0.0389	0.0388	0.0382	0.0384	mg/Kg	EPA 8260B	4/6/12	98.1	99.1	0.989	65.2-122	25
Ethanol														
	80843-02	<0.050	0.0986	0.0982	0.117	0.115	mg/Kg	EPA 8260B	4/6/12	119	117	1.42	37.1-156	25
Ethyl-tert-butyl ether														
	80843-02	<0.0050	0.0394	0.0392	0.0383	0.0373	mg/Kg	EPA 8260B	4/6/12	97.3	95.2	2.22	64.6-122	25
Ethylbenzene														
	80843-02	<0.0050	0.0394	0.0392	0.0387	0.0384	mg/Kg	EPA 8260B	4/6/12	98.2	98.0	0.148	65.5-127	25
Methanol														
	80843-02	<0.20	0.984	0.980	1.16	1.12	mg/Kg	EPA 8260B	4/6/12	118	114	3.61	26.8-154	25
Methyl-t-butyl ether														
	80843-02	<0.0050	0.0394	0.0392	0.0362	0.0358	mg/Kg	EPA 8260B	4/6/12	92.0	91.4	0.702	57.0-122	25
P + M Xylene														
	80843-02	<0.0050	0.0394	0.0392	0.0372	0.0372	mg/Kg	EPA 8260B	4/6/12	94.4	94.9	0.544	62.5-124	25
Tert-Butanol														
	80843-02	<0.0050	0.198	0.197	0.193	0.193	mg/Kg	EPA 8260B	4/6/12	97.6	98.1	0.544	64.3-122	25
Tert-amyl-methyl ether														
	80843-02	<0.0050	0.0388	0.0387	0.0388	0.0379	mg/Kg	EPA 8260B	4/6/12	99.9	98.1	1.81	64.9-122	25

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Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Toluene														
	80843-02	<0.0050	0.0394	0.0392	0.0378	0.0376	mg/Kg	EPA 8260B	4/6/12	96.0	95.9	0.0904	65.7-120	25
1,2-Dibromoethane														
	80848-02	<0.0050	0.0389	0.0392	0.0334	0.0338	mg/Kg	EPA 8260B	4/9/12	85.9	86.2	0.289	67.2-121	25
1,2-Dichloroethane														
	80848-02	<0.0050	0.0387	0.0390	0.0317	0.0319	mg/Kg	EPA 8260B	4/9/12	81.9	81.9	0.0771	64.0-124	25
Benzene														
	80848-02	<0.0050	0.0387	0.0390	0.0313	0.0318	mg/Kg	EPA 8260B	4/9/12	81.0	81.5	0.652	67.9-120	25
Diisopropyl ether														
	80848-02	<0.0050	0.0382	0.0385	0.0341	0.0345	mg/Kg	EPA 8260B	4/9/12	89.3	89.5	0.289	65.2-122	25
Ethanol														
	80848-02	<0.050	0.0969	0.0976	0.0756	0.0793	mg/Kg	EPA 8260B	4/9/12	78.1	81.2	3.93	37.1-156	25
Ethyl-tert-butyl ether														
	80848-02	<0.0050	0.0387	0.0390	0.0338	0.0335	mg/Kg	EPA 8260B	4/9/12	87.4	85.9	1.65	64.6-122	25
Ethylbenzene														
	80848-02	<0.0050	0.0387	0.0390	0.0238	0.0253	mg/Kg	EPA 8260B	4/9/12	**61.4**	**65.0**	5.62	65.5-127	25
Methanol														
	80848-02	<0.20	0.967	0.974	0.769	0.670	mg/Kg	EPA 8260B	4/9/12	79.5	68.8	14.5	26.8-154	25

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Project Number :

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Methyl-t-butyl ether														
	80848-02	<0.0050	0.0387	0.0390	0.0337	0.0338	mg/Kg	EPA 8260B	4/9/12	87.1	86.8	0.381	57.0-122	25
P + M Xylene														
	80848-02	<0.0050	0.0387	0.0390	0.0227	0.0241	mg/Kg	EPA 8260B	4/9/12	**58.6**	**61.9**	5.46	62.5-124	25
Tert-Butanol														
	80848-02	<0.0050	0.194	0.196	0.163	0.169	mg/Kg	EPA 8260B	4/9/12	83.7	86.2	3.03	64.3-122	25
Tert-amyl-methyl ether														
	80848-02	<0.0050	0.0382	0.0384	0.0340	0.0339	mg/Kg	EPA 8260B	4/9/12	89.0	88.0	1.07	64.9-122	25
Toluene														
	80848-02	<0.0050	0.0387	0.0390	0.0280	0.0285	mg/Kg	EPA 8260B	4/9/12	72.3	73.2	1.18	65.7-120	25

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Report Number : 80842

QC Report : Laboratory Control Sample (LCS)

Date : 04/09/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	4/3/12	86.5	70-130
1,2-Dibromoethane	0.0391	mg/Kg	EPA 8260B	4/6/12	98.3	67.2-121
1,2-Dichloroethane	0.0389	mg/Kg	EPA 8260B	4/6/12	93.7	64.0-124
Benzene	0.0389	mg/Kg	EPA 8260B	4/6/12	94.2	67.9-120
Diisopropyl ether	0.0385	mg/Kg	EPA 8260B	4/6/12	96.5	65.2-122
Ethanol	0.0974	mg/Kg	EPA 8260B	4/6/12	113	37.1-156
Ethyl-tert-butyl ether	0.0389	mg/Kg	EPA 8260B	4/6/12	94.0	64.6-122
Ethylbenzene	0.0389	mg/Kg	EPA 8260B	4/6/12	96.8	65.5-127
Methanol	0.973	mg/Kg	EPA 8260B	4/6/12	107	26.8-154
Methyl-t-butyl ether	0.0389	mg/Kg	EPA 8260B	4/6/12	92.3	57.0-122
P + M Xylene	0.0389	mg/Kg	EPA 8260B	4/6/12	93.9	62.5-124
Tert-Butanol	0.196	mg/Kg	EPA 8260B	4/6/12	92.8	64.3-122
Tert-amyl-methyl ether	0.0384	mg/Kg	EPA 8260B	4/6/12	97.7	64.9-122
Toluene	0.0389	mg/Kg	EPA 8260B	4/6/12	94.7	65.7-120
1,2-Dibromoethane	0.0394	mg/Kg	EPA 8260B	4/9/12	100	67.2-121
1,2-Dichloroethane	0.0392	mg/Kg	EPA 8260B	4/9/12	93.1	64.0-124
Benzene	0.0392	mg/Kg	EPA 8260B	4/9/12	97.2	67.9-120
Diisopropyl ether	0.0388	mg/Kg	EPA 8260B	4/9/12	99.4	65.2-122
Ethanol	0.0982	mg/Kg	EPA 8260B	4/9/12	96.0	37.1-156
Ethyl-tert-butyl ether	0.0392	mg/Kg	EPA 8260B	4/9/12	98.1	64.6-122

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Ethylbenzene	0.0392	mg/Kg	EPA 8260B	4/9/12	98.7	65.5-127
Methanol	0.980	mg/Kg	EPA 8260B	4/9/12	101	26.8-154
Methyl-t-butyl ether	0.0392	mg/Kg	EPA 8260B	4/9/12	96.8	57.0-122
P + M Xylene	0.0392	mg/Kg	EPA 8260B	4/9/12	95.9	62.5-124
Tert-Butanol	0.197	mg/Kg	EPA 8260B	4/9/12	92.8	64.3-122
Tert-amyl-methyl ether	0.0387	mg/Kg	EPA 8260B	4/9/12	99.8	64.9-122
Toluene	0.0392	mg/Kg	EPA 8260B	4/9/12	96.6	65.7-120
Benzene	40.0	ug/L	EPA 8260B	4/3/12	97.6	80-120
Ethylbenzene	40.0	ug/L	EPA 8260B	4/3/12	104	80-120
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	4/3/12	93.0	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	4/3/12	102	76.8-120
TPH as Gasoline	504	ug/L	EPA 8260B	4/3/12	89.4	70.0-130
Toluene	40.0	ug/L	EPA 8260B	4/3/12	106	80-120
1,2-Dibromoethane	40.4	ug/L	EPA 8260B	4/4/12	111	80-120
1,2-Dichloroethane	40.2	ug/L	EPA 8260B	4/4/12	104	75.7-122
Benzene	40.2	ug/L	EPA 8260B	4/4/12	99.8	80-120
Diisopropyl ether	39.7	ug/L	EPA 8260B	4/4/12	93.7	80-120
Ethanol	101	ug/L	EPA 8260B	4/4/12	105	55.1-159
Ethyl-tert-butyl ether	40.2	ug/L	EPA 8260B	4/4/12	98.3	76.5-120
Ethylbenzene	40.2	ug/L	EPA 8260B	4/4/12	107	80-120
Methanol	1000	ug/L	EPA 8260B	4/4/12	136	53.2-147

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Project Number :

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Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	4/4/12	95.2	69.7-121
P + M Xylene	40.2	ug/L	EPA 8260B	4/4/12	103	76.8-120
TPH as Gasoline	505	ug/L	EPA 8260B	4/4/12	95.0	70.0-130
Tert-Butanol	202	ug/L	EPA 8260B	4/4/12	104	80-120
Tert-amyl-methyl ether	39.6	ug/L	EPA 8260B	4/4/12	104	78.9-120
Toluene	40.2	ug/L	EPA 8260B	4/4/12	109	80-120
Benzene	40.2	ug/L	EPA 8260B	4/3/12	105	80-120
Ethylbenzene	40.2	ug/L	EPA 8260B	4/3/12	108	80-120
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	4/3/12	93.7	69.7-121
P + M Xylene	40.2	ug/L	EPA 8260B	4/3/12	108	76.8-120
TPH as Gasoline	507	ug/L	EPA 8260B	4/3/12	97.0	70.0-130
Toluene	40.2	ug/L	EPA 8260B	4/3/12	109	80-120
1,2-Dibromoethane	40.1	ug/L	EPA 8260B	4/4/12	110	80-120
1,2-Dichloroethane	39.9	ug/L	EPA 8260B	4/4/12	104	75.7-122
Benzene	39.9	ug/L	EPA 8260B	4/4/12	106	80-120
Diisopropyl ether	39.4	ug/L	EPA 8260B	4/4/12	105	80-120
Ethanol	99.9	ug/L	EPA 8260B	4/4/12	97.0	55.1-159
Ethyl-tert-butyl ether	39.9	ug/L	EPA 8260B	4/4/12	99.9	76.5-120
Ethylbenzene	39.9	ug/L	EPA 8260B	4/4/12	110	80-120
Methanol	997	ug/L	EPA 8260B	4/4/12	105	53.2-147
Methyl-t-butyl ether	39.9	ug/L	EPA 8260B	4/4/12	96.0	69.7-121

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Project Number :

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P + M Xylene	39.9	ug/L	EPA 8260B	4/4/12	108	76.8-120
TPH as Gasoline	505	ug/L	EPA 8260B	4/4/12	102	70.0-130
Tert-Butanol	200	ug/L	EPA 8260B	4/4/12	102	80-120
Tert-amyl-methyl ether	39.4	ug/L	EPA 8260B	4/4/12	104	78.9-120
Toluene	39.9	ug/L	EPA 8260B	4/4/12	109	80-120
Benzene	40.1	ug/L	EPA 8260B	4/3/12	103	80-120
Ethylbenzene	40.1	ug/L	EPA 8260B	4/3/12	104	80-120
Methyl-t-butyl ether	40.1	ug/L	EPA 8260B	4/3/12	104	69.7-121
P + M Xylene	40.1	ug/L	EPA 8260B	4/3/12	104	76.8-120
TPH as Gasoline	502	ug/L	EPA 8260B	4/3/12	93.3	70.0-130
Toluene	40.1	ug/L	EPA 8260B	4/3/12	105	80-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC
2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
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SRG # / Lab No. 80842

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Stephen Lane

California EDF Report? ☐ Yes ☑ No

Company / Address: Applied Engineering & Geology, Inc.
P.O. Box 247, Lincoln, CA 95648

Sampling Company Log Code: AEGI

Phone Number: 916-645-6014

Global ID:

Fax Number: 916-645-6098

EDF Deliverable To (Email Address): aeg@aegEngineers.com

Project #:

P.O. #:

Bill to: Rincon Band of Luiseno Indians

Project Name: Rincon Mushroom Farm

Sampler Signature: Dane Franz

Project Address: 33777 Valley Center Road
Valley Center, CA 92082

Analysis Request

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

Sample Designation	Field Point Name	Sampling Date	Sampling Time	Container: 40 ml VOA	250 mL Poly	1L Poly	Glass	Sleeve	Tedlar	Preservative: HCl	HNO_3	$Na_2S_2O_3$	Ice	None	Matrix: Water	Soil	Air	TPHg, BTEX, MTBE (EPA 8260B)	TPHg, BTEX, 7 Oxys (EPA 8260B)	TPHg, BTEX, 7 Oxys, Lead Scavs. (EPA 8260B)	TPHd and TPHmo (EPA 8015M)	Full List SVOCS (EPA 8270C)	CAM 17 Metals (EPA 6010B)	General Minerals (Various Methods)	Chlorinated Herbicides (EPA 8151A)	Organochlorine Pesticides (EPA 8081A)	Organophosphorus Pesticides (EPA 8141A)	Coli form: total, fecal, and E.coli (SM 9221)	Full List VOCs (EPA 8260B)	Hold	For Lab Use Only
Spoils		03/29/12	1430					4					X			X														X	01
B-33@9'		03/29/12	1215					2					X			X				X	X										02
B-26@9'		03/29/12	0940					2					X			X				X	X										03
B-32@10'		03/29/12	1100					2					X			X				X	X										04
B-27@9'		03/29/12	0820					2					X			X				X	X										05
B-31@9'		03/28/12	1450					2					X			X				X	X										06
B-29@9'		03/28/12	1305					2					X			X				X	X										07

Relinquished by:	Date	Time	Received by:
Dane Franz	03/30/12	9:30	Kiff Analytical Rep
Kiff Analytical Rep	3/30/12	9:30	
	040212	1738	Kiff Analytical

Remarks:
General mineral includes: total alkalinity, bicarbonate as CaCO3, chloride, Nitrate as N, Sulfate as SO4, total dissolved solids, calcium, magnesium, potassium, and sodium.

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Copy - Originator
Rev: 122209

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 80842

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Stephen Lane

California EDF Report? ☐ Yes ☑ No

Company / Address: Applied Engineering & Geology, Inc.
P.O. Box 247, Lincoln, CA 95648

Sampling Company Log Code: AEGI

Phone Number: 916-645-6014

Global ID:

Fax Number: 916-645-6098

EDF Deliverable To (Email Address): aeg@aegEngineers.com

Project #:

P.O. #:

Bill to: Rincon Band of Luiseno Indians

Project Name: Rincon Mushroom Farm

Sampler Signature: Dane Frank

Project Address:
33777 Valley Center Road
Valley Center, CA 92082

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

Sample Designation	Field Point Name	Sampling Date	Sampling Time	Container: 40 ml VOA	250 mL Poly	1L Poly	Glass	Sleeve	Tedlar	Preservative: HCl	HNO_3	$Na_2S_2O_3$	Ice	None	Matrix: Water	Soil	Air	TPHg, BTEX, MTBE (EPA 8260B)	TPHg, BTEX, 7 Oxys (EPA 8260B)	TPHg, BTEX, 7 Oxys, Lead Scavs. (EPA 8260B)	TPHd and TPHmo (EPA 8015M)	Full List SVOCS (EPA 8270C)	CAM 17 Metals (EPA 6010B)	General Minerals (Various Methods)	Chlorinated Herbicides (EPA 8151A)	Organochlorine Pesticides (EPA 8081A)	Organophosphorus Pesticides (EPA 8141A)	Coli form: total, fecal, and E.coli (SM 9221)	Full List VOCs (EPA 8260B)	Hold	For Lab Use Only
Mushroom Domestic		03/29/12	1330	6						X			X		X			X			X										08
B-33		03/29/12	1235	6						X			X		X					X	X										09
MW-3		03/29/12	1010	6						X			X		X			X			X										10
MW-2		03/29/12	1045	6						X			X		X			X			X										11
MW-1		03/29/12	1124	6						X			X		X			X			X										12
B-27		03/29/12	0850	6						X			X		X					X	X										13
B-32		03/29/12	1140	6						X			X		X					X	X										14
B-29		03/29/12	1355	6						X			X		X					X	X										15
B-26		03/29/12	1005	6						X			X		X					X	X										16
MW-7		03/28/12	1640	6						X			X		X			X			X										17

Relinquished by:	Date	Time	Received by:
Dane Frank	03/30/12	0910	9:30 Jerry R. Sh Kiff Analytical Rep
Jerry R. Sh Kiff Analytical Rep	3/30/12	9:30	
	040212	1738	Received by Laboratory: Kiff Analytical

Remarks:
General mineral includes: total alkalinity, bicarbonate as CaCO3, chloride, Nitrate as N, Sulfate as SO4, total dissolved solids, calcium, magnesium, potassium, and sodium.

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Copy - Originator
Rev: 122209

Page 35 of 37

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 80842

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Company / Address: Applied Engineering & Geology, Inc.
P.O. Box 247, Lincoln, CA 95648

Sampling Company Log Code: AEGI

Phone Number: 916-645-6014

Global ID:

Fax Number: 916-645-6098

EDF Deliverable To (Email Address): aeg@aegEngineers.com

Project #:

P.O. #:

Bill to: Rincon Band of Luiseno Indians

Project Name: Rincon Mushroom Farm

Sampler Signature: Dane Franks

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B-31		03/28/12	1515	6						X			X		X					X	X										18

Relinquished by:	Date	Time	Received by:
Dane Franks	03/30/12	0910	9:30 Jay R. Sh Kiff Analytical Rep
Jay R. Sh Kiff Analytical Rep	3/30/12	9:30	
	040212	1738	Received by Laboratory: Kiff Analytical

Remarks:
General mineral includes: total alkalinity, bicarbonate as $CaCO_3$, chloride, Nitrate as N, Sulfate as SO_4, total dissolved solids, calcium, magnesium, potassium, and sodium.

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Copy - Originator
Rev: 122209

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER: LJR Initials

SRG#: 80842 Date: 040212

Project ID: Rincon Mushroom Farm

Method of Receipt: ☐ Courier ☐ Over-the-counter ☒ Shipper

COC Inspection

Is COC present? ☒ Yes ☐ No

Custody seals on shipping container? ☒ Intact ☐ Broken ☐ Not present ☐ N/A

Is COC Signed by Relinquisher? ☒ Yes ☐ No Dated? ☒ Yes ☐ No

Is sampler name legibly indicated on COC? ☒ Yes ☐ No

Is analysis or hold requested for all samples? ☒ Yes ☐ No

Is the turnaround time indicated on COC? ☒ Yes ☐ No

Is COC free of whiteout and uninitialed cross-outs? ☐ Yes ☐ No, Whiteout ☒ No, Cross-outs

Sample Inspection

Coolant Present: ☒ Yes ☐ No (includes water)

Temperature °C 5.9 Therm. ID# IR-4 Initial LJR Date/Time 040212/1724 ☐ N/A

Are there custody seals on sample containers? ☐ Intact ☐ Broken ☒ Not present

Do containers match COC? ☒ Yes ☐ No ☐ No, COC lists absent sample(s) ☐ No, Extra sample(s) present

Are there samples matrices other than soil, water, air or carbon? ☐ Yes ☒ No

Are any sample containers broken, leaking or damaged? ☐ Yes ☒ No

Are preservatives indicated? ☐ Yes, on sample containers ☒ Yes, on COC ☐ Not indicated ☐ N/A

Are preservatives correct for analyses requested? ☒ Yes ☐ No ☐ N/A

Are samples within holding time for analyses requested? ☒ Yes ☐ No

Are the correct sample containers used for the analyses requested? ☒ Yes ☐ No

Is there sufficient sample to perform testing? ☒ Yes ☐ No

Does any sample contain product, have strong odor or are otherwise suspected to be hot? ☐ Yes ☒ No

Receipt Details

Matrix SO Container type sleeve # of containers received 16

Matrix WA Container type VOA # of containers received 66

Matrix ____ Container type ____ # of containers received ____

Date and Time Sample Put into Temp Storage Date: 040212 Time: 1738

Quicklog

Are the Sample ID's indicated: ☐ On COC ☐ On sample container(s) ☒ On Both ☐ Not indicated

If Sample ID's are listed on both COC and containers, do they all match? ☒ Yes ☐ No ☐ N/A

Is the Project ID indicated: ☐ On COC ☐ On sample container(s) ☒ On Both ☐ Not indicated

If project ID is listed on both COC and containers, do they all match? ☒ Yes ☐ No ☐ N/A

Are the sample collection dates indicated: ☐ On COC ☐ On sample container(s) ☒ On Both ☐ Not indicated

If collection dates are listed on both COC and containers, do they all match? ☒ Yes ☐ No ☐ N/A

Are the sample collection times indicated: ☐ On COC ☐ On sample container(s) ☒ On Both ☐ Not indicated

If collection times are listed on both COC and containers, do they all match? ☒ Yes ☐ No ☐ N/A

COMMENTS: Multiple sleeves received for soil samples, no indication of composites or duplicates. MAS 040312 0658

Report Number : 82747

Date : 10/04/2012

Laboratory Results

Steve Lane
Applied Engineering & Geology, Inc.
P. O. Box 247
Lincoln, CA 95648

Subject : 4 Water Samples
Project Name : Rincon Mushroom Farm
Project Number :

Dear Mr. Lane,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

Report Number : 82747

Date : 10/04/2012

Subject : 4 Water Samples
Project Name : Rincon Mushroom Farm
Project Number :

Case Narrative

A version of this report was previously issued on 10/03/12. This revised version replaces that report.

KIFF Analytical LLC

Report Number : 82747

Date : 10/04/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-4** Matrix : Water Lab Number : 82747-02

Sample Date :09/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Nitrate as N	**0.17**	0.10	mg/L	EPA 300.0	09/27/12 12:49

KIFF Analytical LLC

Report Number : 82747

Date : 10/04/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-7** Matrix : Water Lab Number : 82747-05

Sample Date :09/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Nitrate as N	< 0.10	0.10	mg/L	EPA 300.0	09/27/12 13:18

KIFF Analytical LLC

Report Number : 82747

Date : 10/04/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-8** Matrix : Water Lab Number : 82747-06

Sample Date :09/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Nitrate as N	**0.78**	0.10	mg/L	EPA 300.0	09/27/12 13:48

KIFF Analytical LLC

Report Number : 82747

Date : 10/04/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **EW-2** Matrix : Water Lab Number : 82747-08

Sample Date :09/26/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Nitrate as N	< 0.10	0.10	mg/L	EPA 300.0	09/27/12 14:17
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/03/12 00:37
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/03/12 00:37
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/03/12 00:37
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/03/12 00:37
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/03/12 00:37
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/03/12 00:37
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	10/03/12 00:37
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/03/12 00:37
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/02/12 17:18
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/02/12 17:18
Octacosane (Diesel Surrogate)	99.3		% Recovery	M EPA 8015	10/02/12 17:18

Report Number : 82747

Date : 10/04/2012

QC Report : Method Blank Data

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/02/2012
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/02/2012
Octacosane (Diesel Surrogate)	78.9		%	M EPA 8015	10/02/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/02/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/02/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/02/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/02/2012
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	10/02/2012
Toluene - d8 (Surr)	103		%	EPA 8260B	10/02/2012
Nitrate as N	<0.10	0.10	mg/L	EPA 300.0	09/27/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 82747

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 10/04/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	82758-03	<0.50	40.0	40.0	39.2	38.4	ug/L	EPA 8260B	10/2/12	98.0	96.1	1.96	80-120	25
Ethylbenzene														
	82758-03	<0.50	40.0	40.0	40.9	39.4	ug/L	EPA 8260B	10/2/12	102	98.5	3.60	80-120	25
Methyl-t-butyl ether														
	82758-03	<0.50	40.0	40.0	34.8	34.1	ug/L	EPA 8260B	10/2/12	87.0	85.2	2.11	69.7-121	25
P + M Xylene														
	82758-03	<0.50	40.0	40.0	39.4	38.0	ug/L	EPA 8260B	10/2/12	98.4	95.0	3.56	76.8-120	25
Toluene														
	82758-03	<0.50	40.0	40.0	41.2	40.3	ug/L	EPA 8260B	10/2/12	103	101	2.15	80-120	25
Nitrate as N														
	82747-02	0.17	0.500	0.500	0.663	0.669	mg/L	EPA 300.0	9/27/12	99.1	100	0.942	90.0-110	10
TPH as Diesel														
	BLANK	<50	1000	1000	1060	1010	ug/L	M EPA 8015	10/2/12	106	101	4.66	70-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 82747

QC Report : Laboratory Control Sample (LCS)

Date : 10/04/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.2	ug/L	EPA 8260B	10/2/12	97.2	80-120
Ethylbenzene	40.2	ug/L	EPA 8260B	10/2/12	101	80-120
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	10/2/12	87.7	69.7-121
P + M Xylene	40.2	ug/L	EPA 8260B	10/2/12	98.0	76.8-120
TPH as Gasoline	481	ug/L	EPA 8260B	10/2/12	94.7	70.0-130
Toluene	40.2	ug/L	EPA 8260B	10/2/12	102	80-120
Nitrate as N	0.500	mg/L	EPA 300.0	9/27/12	103	90.0-110

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

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SRG # / Lab No. 82747

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MW-1		09/25/12	1550	6						X			X		X			X			X										STD	01
~~MW-2~~ DLF				~~6~~						~~X~~			~~X~~		~~X~~			~~X~~			~~X~~										~~STD~~	
~~MW-3~~ DLF				~~6~~						~~X~~			~~X~~		~~X~~			~~X~~			~~X~~										~~STD~~	
MW-4		09/26/12	0705	6		1				X			X		X			X			X									X	STD	02
MW-5		09/25/12	1610	6						X			X		X			X			X										STD	03
MW-6		09/26/12	1135	6						X			X		X			X			X										STD	04
MW-7		09/26/12	1100	6		1				X			X		X			X			X									X	STD	05
MW-8		09/26/12	1115	6		1				X			X		X			X			X									X	STD	06
MW-9		09/25/12	1630	6						X			X		X			X			X										STD	07
~~MW-10~~				~~6~~						~~X~~			~~X~~		~~X~~			~~X~~			~~X~~										~~STD~~	

Relinquished by:	Date	Time	Received by:
Dane Frank	09/26/12	13:30	J. R. Sd Kiff Analytical Rep
J. R. Sd Kiff Analytical Rep	9/26/12	13:30	
	092712	0955	Kiff Analytical

Remarks:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Copy - Originator
Rev: 122209

KIFF Analytical LLC

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Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 82747

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Phone Number: 916-645-6014	Global ID:
Fax Number: 916-645-6098	EDF Deliverable To (Email Address): aeg@aegEngineers.com
Project #: / P.O. #:	Bill to: AEG
Project Name: Rincon Mushroom Farm	Sampler Signature: Dane Frank
Project Address: 33777 Valley Center Road Valley Center, CA 92082	

Sample Designation	Field Point Name	Sampling Date	Sampling Time	40 ml VOA	250 mL Poly	Poly	Glass	Sleeve	Tedlar	HCl	HNO_3	$Na_2S_2O_3$	Ice	None	Water	Soil	Air	TPHg, BTEX, MTBE (EPA 8260B)	TPHg, BTEX, 7 Oxys (EPA 8260B)	TPHg, BTEX, 7 Oxys, Lead Scavs. (EPA 8260B)	TPHd and TPHmo (EPA 8015M)	Full List SVOCS (EPA 8270C)	CAM 17 Metals (EPA 6010B)	General Minerals (Various Methods)	Chlorinated Herbicides (EPA 8151A)	Organochlorine Pesticides (EPA 8081A)	Organophosphorus Pesticides (EPA 8141A)	Coli form: total, fecal, and E.coli (SM 9221)	Full List VOCs (EPA 8260B)	Hold	Nitrates (EPA 300)	TAT	For Lab Use Only
~~EW-1~~ DLF				~~6~~		~~1~~				~~X~~			~~X~~		~~X~~			~~X~~			~~X~~										~~X~~	~~STD~~	
EW-2		09/26/12	0740	6		1				X			X		X			X			X										X	STD	08

Relinquished by:	Date	Time	Received by:
Dane Frank	09/26/12	13:30	Kiff Analytical Rep
Relinquished by: Kiff Analytical Rep	9/26/12	13:30	Received by:
Relinquished by:	092712	0955	Received by Laboratory: Kiff Analytical

Remarks:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Copy - Originator
Rev: 122209

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER: [initials] Initials

SRG#: 82747 Date: 092712

Project ID: Rincon Mushroom Farm

Method of Receipt: ☐ Courier ☐ Over-the-counter ☒ Shipper

Shipping Only: ☐ FedEx * ☒ OnTrac * ☐ Greyhound ☐ Other *Service level if not Priority or Sunrise (M-F): _____

9715
9706

COC Inspection

Is COC present?	☒ Yes	☐ No	
Custody seals on shipping container?	☒ Intact	☐ Broken	☐ Not present ☐ N/A
Is COC Signed by Relinquisher? ☒ Yes ☐ No Dated?	☒ Yes	☐ No	
Is sampler name legibly indicated on COC?	☒ Yes	☐ No	
Is analysis or hold requested for all samples?	☒ Yes	☐ No	
Is the turnaround time indicated on COC?	☒ Yes	☐ No	
Is COC free of whiteout and uninitialed cross-outs?	☐ Yes	☐ No, Whiteout	☒ No, Cross-outs

Sample Inspection

Coolant Present: ☒ Yes ☐ No (includes water)

Temperature °C 3-0 Therm. ID# 112-4 Initial [initials] Date/Time 092712 0930 ☐ N/A

Are there custody seals on sample containers?	☐ Intact	☐ Broken	☒ Not present
Do containers match COC? ☐ Yes ☐ No ☒ No, COC lists absent sample(s)		☐ No, Extra sample(s) present	
Are there samples matrices other than soil, water, air or carbon?	☐ Yes	☒ No	
Are any sample containers broken, leaking or damaged?	☐ Yes	☒ No	
Are preservatives indicated? ☐ Yes, on sample containers	☒ Yes, on COC	☐ Not indicated	☐ N/A
Are preservatives correct for analyses requested?	☒ Yes	☐ No	☐ N/A
Are samples within holding time for analyses requested?	☒ Yes	☐ No	
Are the correct sample containers used for the analyses requested?	☒ Yes	☐ No	
Is there sufficient sample to perform testing?	☒ Yes	☐ No	

Does any sample contain product, have strong odor or are otherwise suspected to be hot? ☐ Yes ☒ No

Receipt Details

Matrix WA Container type Poly # of containers received 04

Matrix WA Container type VOA # of containers received 30

Matrix _____ Container type _____ # of containers received _____

Date and Time Sample Put into Temp Storage Date: 092712 Time: ~~1055~~ [initials] 092712 0955

Quicklog

Are the Sample ID's indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If Sample ID's are listed on both COC and containers, do they all match?		☒ Yes	☐ No	☐ N/A
Is the Project ID indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If project ID is listed on both COC and containers, do they all match?		☒ Yes	☐ No	☐ N/A
Are the sample collection dates indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection dates are listed on both COC and containers, do they all match?		☒ Yes	☐ No	☐ N/A
Are the sample collection times indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection times are listed on both COC and containers, do they all match?		☒ Yes	☐ No	☐ N/A

COMMENTS: SR did not receive Samples MW-5, MW-6, and MW-7 (only the voas - the poly for MW-7 was received). The sample #s are 82747-03, -04, and -05. Jennifer Smith, the Kiff representative was contacted and she located the samples at 1000. The samples did not have coolant present since 1700 on 09/26/12. Coolant was applied immediately upon finding the samples. The samples will be shipped today and is expected to arrive on 9/28/12 (Friday) at Kiff.

[initials] 092712 1055

Samples -03, -04 and -05 were received at the Kiff office on 092812 at 1041 with a median temperature of 1.6 °C. TJB 092812 1042

O:\old_ed\samprec\Forms\Sample Receipt Checklist rev 072412.doc

Report Number : 82905

Date : 10/17/2012

Laboratory Results

Steve Lane
Applied Engineering & Geology, Inc.
P. O. Box 247
Lincoln, CA 95648

Subject : 11 Water Samples
Project Name : Rincon Mushroom Farm
Project Number :

Dear Mr. Lane,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

KIFF Analytical LLC

Report Number : 82905

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-1** Matrix : Water Lab Number : 82905-01

Sample Date :10/09/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 04:03
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 04:03
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 04:03
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 04:03
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 04:03
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/13/12 04:03
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	10/13/12 04:03
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/13/12 04:03
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/17/12 13:44
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/17/12 13:44
Octacosane (Diesel Surrogate)	86.6		% Recovery	M EPA 8015	10/17/12 13:44

KIFF Analytical LLC

Report Number : 82905

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-2** Matrix : Water Lab Number : 82905-02

Sample Date :10/09/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 04:35
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 04:35
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 04:35
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 04:35
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 04:35
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/13/12 04:35
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	10/13/12 04:35
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	10/13/12 04:35
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/16/12 14:56
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/16/12 14:56
Octacosane (Diesel Surrogate)	92.4		% Recovery	M EPA 8015	10/16/12 14:56

KIFF Analytical LLC

Report Number : 82905

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-3** Matrix : Water Lab Number : 82905-03

Sample Date :10/10/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 05:07
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 05:07
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 05:07
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 05:07
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 05:07
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/13/12 05:07
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	10/13/12 05:07
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	10/13/12 05:07
TPH as Diesel	**65**	50	ug/L	M EPA 8015	10/12/12 17:59
(Note: Discrete peaks in Diesel range, atypical for Diesel Fuel.)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/12/12 17:59
Octacosane (Diesel Surrogate)	104		% Recovery	M EPA 8015	10/12/12 17:59

KIFF Analytical LLC

Report Number : 82905

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-4** Matrix : Water Lab Number : 82905-04

Sample Date :10/09/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 05:40
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 05:40
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 05:40
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 05:40
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 05:40
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/13/12 05:40
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	10/13/12 05:40
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	10/13/12 05:40
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/12/12 19:44
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/12/12 19:44
Octacosane (Diesel Surrogate)	97.4		% Recovery	M EPA 8015	10/12/12 19:44

KIFF Analytical LLC

Report Number : 82905

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-5** Matrix : Water Lab Number : 82905-05

Sample Date :10/09/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 06:12
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 06:12
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 06:12
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 06:12
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 06:12
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/13/12 06:12
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	10/13/12 06:12
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	10/13/12 06:12
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/12/12 13:56
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/12/12 13:56
Octacosane (Diesel Surrogate)	97.2		% Recovery	M EPA 8015	10/12/12 13:56

KIFF Analytical LLC

Report Number : 82905

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-6** Matrix : Water Lab Number : 82905-06

Sample Date :10/10/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 06:44
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 06:44
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 06:44
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 06:44
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/13/12 06:44
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/13/12 06:44
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	10/13/12 06:44
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	10/13/12 06:44
TPH as Diesel	**52**	50	ug/L	M EPA 8015	10/12/12 14:30
(Note: Discrete peaks in Diesel range, atypical for Diesel Fuel.)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/12/12 14:30
Octacosane (Diesel Surrogate)	100		% Recovery	M EPA 8015	10/12/12 14:30

KIFF Analytical LLC

Report Number : 82905

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-7** Matrix : Water Lab Number : 82905-07

Sample Date :10/10/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 11:32
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 11:32
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 11:32
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 11:32
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 11:32
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/15/12 11:32
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	10/15/12 11:32
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/15/12 11:32
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/12/12 15:05
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/12/12 15:05
Octacosane (Diesel Surrogate)	97.0		% Recovery	M EPA 8015	10/12/12 15:05

KIFF Analytical LLC

Report Number : 82905

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-8** Matrix : Water Lab Number : 82905-08

Sample Date :10/10/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 09:39
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 09:39
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 09:39
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 09:39
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 09:39
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/15/12 09:39
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	10/15/12 09:39
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/15/12 09:39
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/15/12 13:19
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/15/12 13:19
Octacosane (Diesel Surrogate)	99.2		% Recovery	M EPA 8015	10/15/12 13:19

KIFF Analytical LLC

Report Number : 82905

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **MW-9** Matrix : Water Lab Number : 82905-09

Sample Date :10/09/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 12:04
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 12:04
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 12:04
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 12:04
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 12:04
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/15/12 12:04
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	10/15/12 12:04
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	10/15/12 12:04
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/12/12 16:15
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/12/12 16:15
Octacosane (Diesel Surrogate)	104		% Recovery	M EPA 8015	10/12/12 16:15

KIFF Analytical LLC

Report Number : 82905

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **EW-1** Matrix : Water Lab Number : 82905-10

Sample Date :10/10/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 09:40
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 09:40
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 09:40
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 09:40
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/15/12 09:40
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/15/12 09:40
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	10/15/12 09:40
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	10/15/12 09:40
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/12/12 16:49
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/12/12 16:49
Octacosane (Diesel Surrogate)	100		% Recovery	M EPA 8015	10/12/12 16:49

KIFF Analytical LLC

Report Number : 82905

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Sample : **EW-2** Matrix : Water Lab Number : 82905-11

Sample Date :10/09/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/12/12 14:15
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/12/12 14:15
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/12/12 14:15
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/12/12 14:15
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/12/12 14:15
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/12/12 14:15
1,2-Dichloroethane-d4 (Surr)	98.9		% Recovery	EPA 8260B	10/12/12 14:15
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	10/12/12 14:15
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/12/12 17:24
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/12/12 17:24
Octacosane (Diesel Surrogate)	96.4		% Recovery	M EPA 8015	10/12/12 17:24

Report Number : 82905

Date : 10/17/2012

QC Report : Method Blank Data

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/12/2012
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/12/2012
Octacosane (Diesel Surrogate)	96.5		%	M EPA 8015	10/12/2012
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/15/2012
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/15/2012
Octacosane (Diesel Surrogate)	95.1		%	M EPA 8015	10/15/2012
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/16/2012
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/16/2012
Octacosane (Diesel Surrogate)	78.9		%	M EPA 8015	10/16/2012
TPH as Diesel	< 50	50	ug/L	M EPA 8015	10/17/2012
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	10/17/2012
Octacosane (Diesel Surrogate)	95.4		%	M EPA 8015	10/17/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/12/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/12/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/12/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/12/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/12/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/12/2012
1,2-Dichloroethane-d4 (Surr)	98.0		%	EPA 8260B	10/12/2012
Toluene - d8 (Surr)	97.9		%	EPA 8260B	10/12/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/15/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/15/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/15/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/15/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/15/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/15/2012
1,2-Dichloroethane-d4 (Surr)	99.7		%	EPA 8260B	10/15/2012
Toluene - d8 (Surr)	102		%	EPA 8260B	10/15/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/12/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/12/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/12/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/12/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/12/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/12/2012
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	10/12/2012
Toluene - d8 (Surr)	99.4		%	EPA 8260B	10/12/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/15/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/15/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/15/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/15/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/15/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/15/2012
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	10/15/2012
Toluene - d8 (Surr)	100		%	EPA 8260B	10/15/2012

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 82905

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel														
	BLANK	<50	1000	1000	1150	1160	ug/L	M EPA 8015	10/12/12	115	116	0.732	70-130	25
TPH as Diesel														
	BLANK	<50	1000	1000	1030	1050	ug/L	M EPA 8015	10/15/12	103	105	1.54	70-130	25
TPH as Diesel														
	BLANK	<50	1000	1000	1040	1050	ug/L	M EPA 8015	10/16/12	104	105	0.746	70-130	25
TPH as Diesel														
	BLANK	<50	1000	1000	1080	1010	ug/L	M EPA 8015	10/17/12	108	101	6.50	70-130	25
Benzene														
	82905-11	<0.50	39.8	39.9	40.0	39.2	ug/L	EPA 8260B	10/12/12	100	98.2	2.17	80-120	25
Ethylbenzene														
	82905-11	<0.50	39.8	39.9	40.7	39.4	ug/L	EPA 8260B	10/12/12	102	98.6	3.53	80-120	25
Methyl-t-butyl ether														
	82905-11	<0.50	39.9	40.0	34.9	34.6	ug/L	EPA 8260B	10/12/12	87.5	86.6	0.980	69.7-121	25
P + M Xylene														
	82905-11	<0.50	39.8	39.9	39.3	38.0	ug/L	EPA 8260B	10/12/12	98.7	95.2	3.58	76.8-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 82905

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Toluene														
	82905-11	<0.50	39.8	39.9	39.6	38.7	ug/L	EPA 8260B	10/12/12	99.4	96.9	2.48	80-120	25
Benzene														
	82905-08	<0.50	40.0	40.0	39.4	38.4	ug/L	EPA 8260B	10/15/12	98.5	96.0	2.55	80-120	25
Ethylbenzene														
	82905-08	<0.50	40.0	40.0	40.2	39.3	ug/L	EPA 8260B	10/15/12	100	98.4	2.16	80-120	25
Methyl-t-butyl ether														
	82905-08	<0.50	40.1	40.1	36.4	36.6	ug/L	EPA 8260B	10/15/12	91.0	91.3	0.404	69.7-121	25
P + M Xylene														
	82905-08	<0.50	40.0	40.0	38.5	37.5	ug/L	EPA 8260B	10/15/12	96.3	93.8	2.70	76.8-120	25
Toluene														
	82905-08	<0.50	40.0	40.0	40.8	39.2	ug/L	EPA 8260B	10/15/12	102	98.1	3.89	80-120	25
Benzene														
	82886-06	23	40.0	40.0	59.1	57.2	ug/L	EPA 8260B	10/12/12	90.9	86.2	5.29	80-120	25
Ethylbenzene														
	82886-06	0.81	40.0	40.0	43.8	41.3	ug/L	EPA 8260B	10/12/12	108	101	6.06	80-120	25
Methyl-t-butyl ether														
	82886-06	<0.50	40.1	40.1	32.0	32.0	ug/L	EPA 8260B	10/12/12	79.9	79.8	0.175	69.7-121	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 82905

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
P + M Xylene														
	82886-06	3.0	40.0	40.0	44.4	41.7	ug/L	EPA 8260B	10/12/12	104	96.8	6.82	76.8-120	25
Toluene														
	82886-06	3.1	40.0	40.0	39.9	38.2	ug/L	EPA 8260B	10/12/12	92.1	87.7	4.80	80-120	25
Benzene														
	82905-10	<0.50	40.0	40.0	41.9	40.5	ug/L	EPA 8260B	10/15/12	105	101	3.46	80-120	25
Ethylbenzene														
	82905-10	<0.50	40.0	40.0	42.2	40.6	ug/L	EPA 8260B	10/15/12	106	101	3.98	80-120	25
Methyl-t-butyl ether														
	82905-10	<0.50	40.1	40.1	35.1	35.5	ug/L	EPA 8260B	10/15/12	87.6	88.6	1.17	69.7-121	25
P + M Xylene														
	82905-10	<0.50	40.0	40.0	40.3	38.9	ug/L	EPA 8260B	10/15/12	101	97.2	3.57	76.8-120	25
Toluene														
	82905-10	<0.50	40.0	40.0	42.0	40.5	ug/L	EPA 8260B	10/15/12	105	101	3.75	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 82905

QC Report : Laboratory Control Sample (LCS)

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	10/12/12	99.3	80-120
Ethylbenzene	40.0	ug/L	EPA 8260B	10/12/12	99.9	80-120
Methyl-t-butyl ether	40.1	ug/L	EPA 8260B	10/12/12	86.5	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	10/12/12	97.2	76.8-120
Toluene	40.0	ug/L	EPA 8260B	10/12/12	98.2	80-120
Benzene	39.9	ug/L	EPA 8260B	10/15/12	97.7	80-120
Ethylbenzene	39.9	ug/L	EPA 8260B	10/15/12	101	80-120
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	10/15/12	91.6	69.7-121
P + M Xylene	39.9	ug/L	EPA 8260B	10/15/12	96.5	76.8-120
TPH as Gasoline	482	ug/L	EPA 8260B	10/15/12	97.2	70.0-130
Toluene	39.9	ug/L	EPA 8260B	10/15/12	100	80-120
Benzene	40.0	ug/L	EPA 8260B	10/12/12	107	80-120
Ethylbenzene	40.0	ug/L	EPA 8260B	10/12/12	106	80-120
Methyl-t-butyl ether	40.1	ug/L	EPA 8260B	10/12/12	87.7	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	10/12/12	101	76.8-120
TPH as Gasoline	479	ug/L	EPA 8260B	10/12/12	112	70.0-130
Toluene	40.0	ug/L	EPA 8260B	10/12/12	107	80-120
Benzene	40.2	ug/L	EPA 8260B	10/15/12	105	80-120
Ethylbenzene	40.2	ug/L	EPA 8260B	10/15/12	106	80-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 82905

QC Report : Laboratory Control Sample (LCS)

Date : 10/17/2012

Project Name : **Rincon Mushroom Farm**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	10/15/12	89.8	69.7-121
P + M Xylene	40.2	ug/L	EPA 8260B	10/15/12	102	76.8-120
TPH as Gasoline	478	ug/L	EPA 8260B	10/15/12	106	70.0-130
Toluene	40.2	ug/L	EPA 8260B	10/15/12	105	80-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 82905

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Stephen Lane

California EDF Report? ☐ Yes ☑ No

Company / Address: Applied Engineering & Geology, Inc.
P.O. Box 247, Lincoln, CA 95648

Sampling Company Log Code: AEGI

Phone Number: 916-645-6014

Global ID:

Fax Number: 916-645-6098

EDF Deliverable To (Email Address): aeg@aegEngineers.com

Project #:

P.O. #:

Bill to: AEG

Project Name: Rincon Mushroom Farm

Sampler Signature: Dane Frank

Project Address: 33777 Valley Center Road, Valley Center, CA 92082

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☐ 1 wk

Sample Designation	Field Point Name	Sampling Date	Sampling Time	Container: 40 ml VOA	250 mL Poly	Poly	Glass	Sleeve	Tedlar	Preservative: HCl	HNO_3	$Na_2S_2O_3$	Ice	None	Matrix: Water	Soil	Air	TPHg, BTEX, MTBE (EPA 8260B)	TPHg, BTEX, 7 Oxys (EPA 8260B)	TPHg, BTEX, 7 Oxys, Lead Scavs. (EPA 8260B)	TPHd and TPHmo (EPA 8015M)	Full List SVOCS (EPA 8270C)	CAM 17 Metals (EPA 6010B)	General Minerals (Various Methods)	Chlorinated Herbicides (EPA 8151A)	Organochlorine Pesticides (EPA 8081A)	Organophosphorus Pesticides (EPA 8141A)	Coli form: total, fecal, and E.coli (SM 9221)	Full List VOCs (EPA 8260B)	Hold	Nitrates (EPA 300)	TAT	For Lab Use Only
MW-1		10/09/12	1125	6						X			X		X			X			X											STD	01
MW-2		10/09/12	1140	6						X			X		X			X			X											STD	02
MW-3		10/10/12	1230	6						X			X		X			X			X											STD	03
MW-4		10/09/12	1105	6						X			X		X			X			X											STD	04
MW-5		10/09/12	1245	6						X			X		X			X			X											STD	05
MW-6		10/10/12	1135	6						X			X		X			X			X											STD	06
MW-7		10/10/12	1160	6						X			X		X			X			X											STD	07
MW-8		10/10/12	1205	6						X			X		X			X			X											STD	08
MW-9		10/09/12	1210	6						X			X		X			X			X											STD	09
~~MW-10~~				~~6~~						~~X~~			~~X~~		~~X~~			~~X~~			~~X~~											STD	

Relinquished by:	Date	Time	Received by:
DLF Dane Frank	10/10/12	1530	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:
	10/10/12	1547	Michelle Spencer Kiff Analytical

Remarks:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Copy - Originator
Rev: 122209

Page 10 of 21

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 82905

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Stephen Lane

California EDF Report? ☐ Yes ☑ No

Company / Address: Applied Engineering & Geology, Inc.
P.O. Box 247, Lincoln, CA 95648

Sampling Company Log Code: AEGI

Phone Number: 916-645-6014

Global ID:

Fax Number: 916-645-6098

EDF Deliverable To (Email Address): aeg@aegEngineers.com

Project #:

P.O. #:

Bill to: AEG

Project Name: Rincon Mushroom Farm

Sampler Signature: Dane Frank

Project Address:
33777 Valley Center Road
Valley Center, CA 92082

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☐ 1 wk

Sample Designation	Field Point Name	Sampling Date	Sampling Time	Container: 40 ml VOA	250 mL Poly	Poly	Glass	Sleeve	Tedlar	Preservative: HCl	HNO_3	$Na_2S_2O_3$	Ice	None	Matrix: Water	Soil	Air		Analysis Request: TPHg, BTEX, MTBE (EPA 8260B)	TPHg, BTEX, 7 Oxys (EPA 8260B)	TPHg, BTEX, 7 Oxys, Lead Scavs. (EPA 8260B)	TPHd and TPHmo (EPA 8015M)	Full List SVOCS (EPA 8270C)	CAM 17 Metals (EPA 6010B)	General Minerals (Various Methods)	Chlorinated Herbicides (EPA 8151A)	Organochlorine Pesticides (EPA 8081A)	Organophosphorus Pesticides (EPA 8141A)	Coli form: total, fecal, and E.coli (SM 9221)	Full List VOCs (EPA 8260B)	Hold	Nitrates (EPA 300)						TAT	For Lab Use Only
EW-1		10/10/12	1510	6						X			X		X				X			X																STD	10
EW-2		10/04/12	1225	6						X			X		X				X			X																STD	11

Relinquished by:	Date	Time	Received by:
Dane Frank	10/10/12	1558	
	10/10/12	1547	Michelle Spencer Kiff Analytical

Remarks:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Copy - Originator
Rev: 122209

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER: MAS (Initials)

SRG#: 82905 Date: 101012

Project ID: Rincon Mushroom Farm

Method of Receipt: [X] Courier [ ] Over-the-counter [ ] Shipper

Shipping Only: [ ] FedEx * [ ] OnTrac * [ ] Greyhound [ ] Other *Service level if not Priority or Sunrise (M-F): _____

COC Inspection

Is COC present?	[X] Yes	[ ] No		
Custody seals on shipping container?	[ ] Intact	[ ] Broken	[ ] Not present	[X] N/A
Is COC Signed by Relinquisher? [X] Yes [ ] No	Dated? [X] Yes	[ ] No		
Is sampler name legibly indicated on COC?	[X] Yes	[ ] No		
Is analysis or hold requested for all samples?	[X] Yes	[ ] No		
Is the turnaround time indicated on COC?	[X] Yes	[ ] No		
Is COC free of whiteout and uninitialed cross-outs?	[X] Yes	[ ] No, Whiteout	[ ] No, Cross-outs	

Sample Inspection

Coolant Present: [X] Yes [ ] No (includes water)

Temperature °C 5.4 Therm. ID# IR-4 Initial MAS Date/Time 101012/2222 [ ] N/A

Are there custody seals on sample containers?	[ ] Intact	[ ] Broken	[X] Not present	
Do containers match COC?	[X] Yes	[ ] No	[ ] No, COC lists absent sample(s)	[ ] No, Extra sample(s) present
Are there samples matrices other than soil, water, air or carbon?	[ ] Yes	[X] No		
Are any sample containers broken, leaking or damaged?	[ ] Yes	[X] No		
Are preservatives indicated?	[ ] Yes, on sample containers	[X] Yes, on COC	[ ] Not indicated	[ ] N/A
Are preservatives correct for analyses requested?	[X] Yes	[ ] No	[ ] N/A	
Are samples within holding time for analyses requested?	[X] Yes	[ ] No		
Are the correct sample containers used for the analyses requested?	[X] Yes	[ ] No		
Is there sufficient sample to perform testing?	[X] Yes	[ ] No		

Does any sample contain product, have strong odor or are otherwise suspected to be hot? [ ] Yes [X] No

Receipt Details

Matrix WA	Container type JOA	# of containers received 66
Matrix _____	Container type _____	# of containers received _____
Matrix _____	Container type _____	# of containers received _____

Date and Time Sample Put into Temp Storage Date: 101012 Time: 2226

Quicklog

Are the Sample ID's indicated:	[ ] On COC	[ ] On sample container(s)	[X] On Both	[ ] Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	[X] Yes	[ ] No	[ ] N/A	
Is the Project ID indicated:	[ ] On COC	[ ] On sample container(s)	[X] On Both	[ ] Not indicated
If project ID is listed on both COC and containers, do they all match?	[X] Yes	[ ] No	[ ] N/A	
Are the sample collection dates indicated:	[ ] On COC	[ ] On sample container(s)	[X] On Both	[ ] Not indicated
If collection dates are listed on both COC and containers, do they all match?	[X] Yes	[ ] No	[ ] N/A	
Are the sample collection times indicated:	[X] On COC	[ ] On sample container(s)	[X] On Both	[ ] Not indicated
If collection times are listed on both COC and containers, do they all match?	[X] Yes	[ ] No	[ ] N/A	

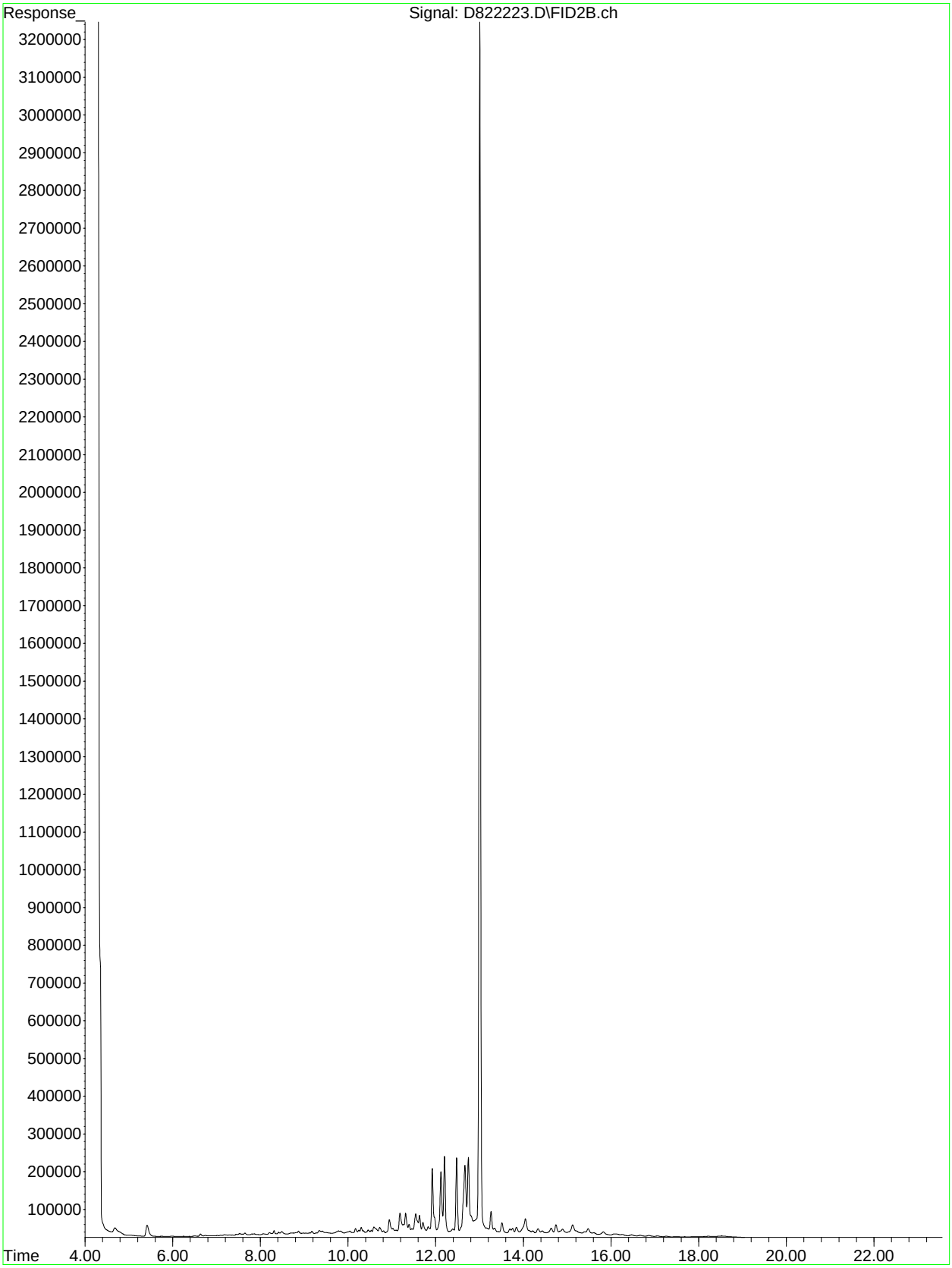
COMMENTS: ~~MW-8 (Sample 82905-08) has a time of 1305 for VOA #5.~~ 101012 1115

O:\old_ed\samprec\Forms\Sample Receipt Checklist rev 072412.doc

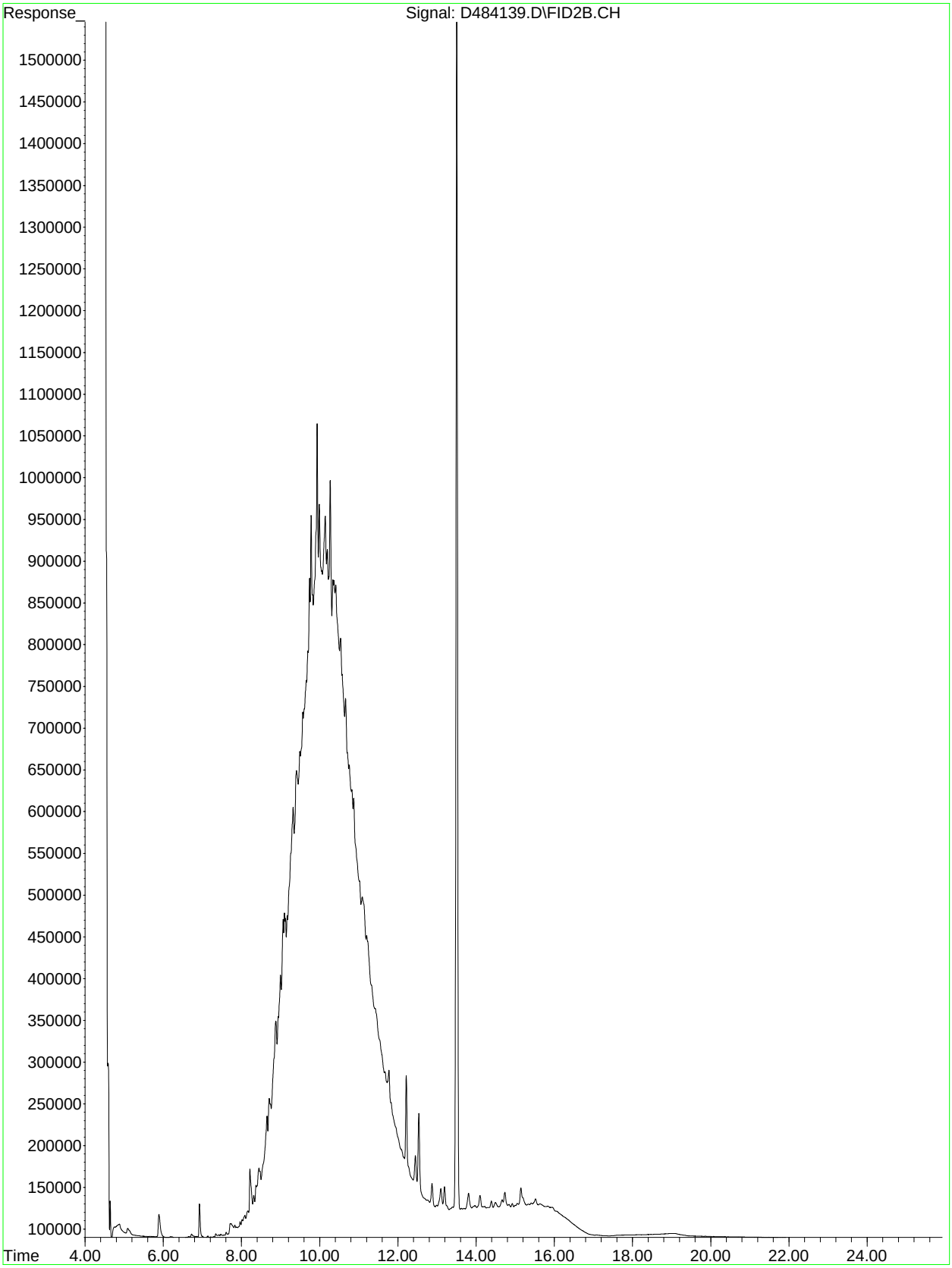
APPENDIX E

Laboratory Chromatograms

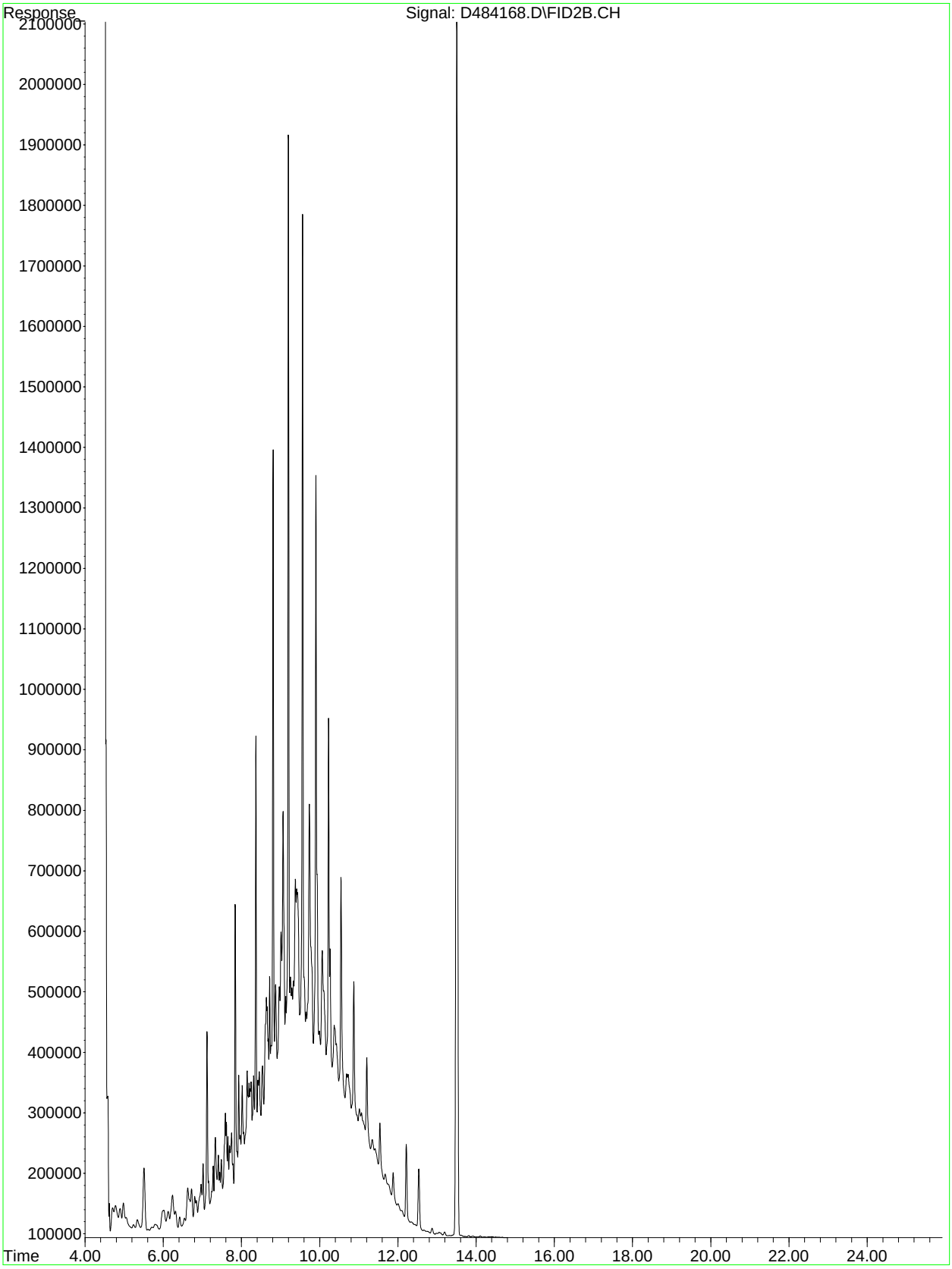
Sample ID : 80810-03 (MW-6)
Date Analyzed : 04/03/12
Data File : D822223
Analysis Method : M EPA 8015



Sample ID : 80795-10 (B-24)
Date Analyzed : 04/03/12
Data File : D484139
Analysis Method : M EPA 8015



Sample ID : Diesel Standard
Date Analyzed : 04/04/12
Data File : D484168
Analysis Method : M EPA 8015



Amanda Stack

From: Jennifer Worsley [JWorsley@kiffanalytical.com]
Sent: Friday, December 21, 2012 10:06 AM
To: Dane Frank
Subject: Chromatogram comparison
Attachments: AEG overlay.pdf

Hi Dane,

Attached is an overlay of MW-6 (Kiff report 82905) and B-24 (Kiff report 80795) chromatograms. The green chromatogram is B-24 and as you can see there are no similarities. The large peak at 13.5 minutes is the surrogate.

Let me know if you need any more information.

Thanks,
Jennifer Worsley
Account Manager
Kiff Analytical, LLC
Office: 530.297.4800 ext.126
Fax: (530) 297-4808
www.kiffanalytical.com
Leaders in Analytical Science and Service

Kiff Holiday Hours:
Monday, December 24th - 8am to 4pm
Tuesday, December 25th - Closed
Monday, December 31st - 8am to 5pm
Tuesday, January 1st - Closed

Certificate #08263CA

Take a look at the latest edition of Kiff Analytical's monthly bulletin, "The Sampler", available here:
http://www.kiffanalytical.com/sampler/current_sampler.pdf

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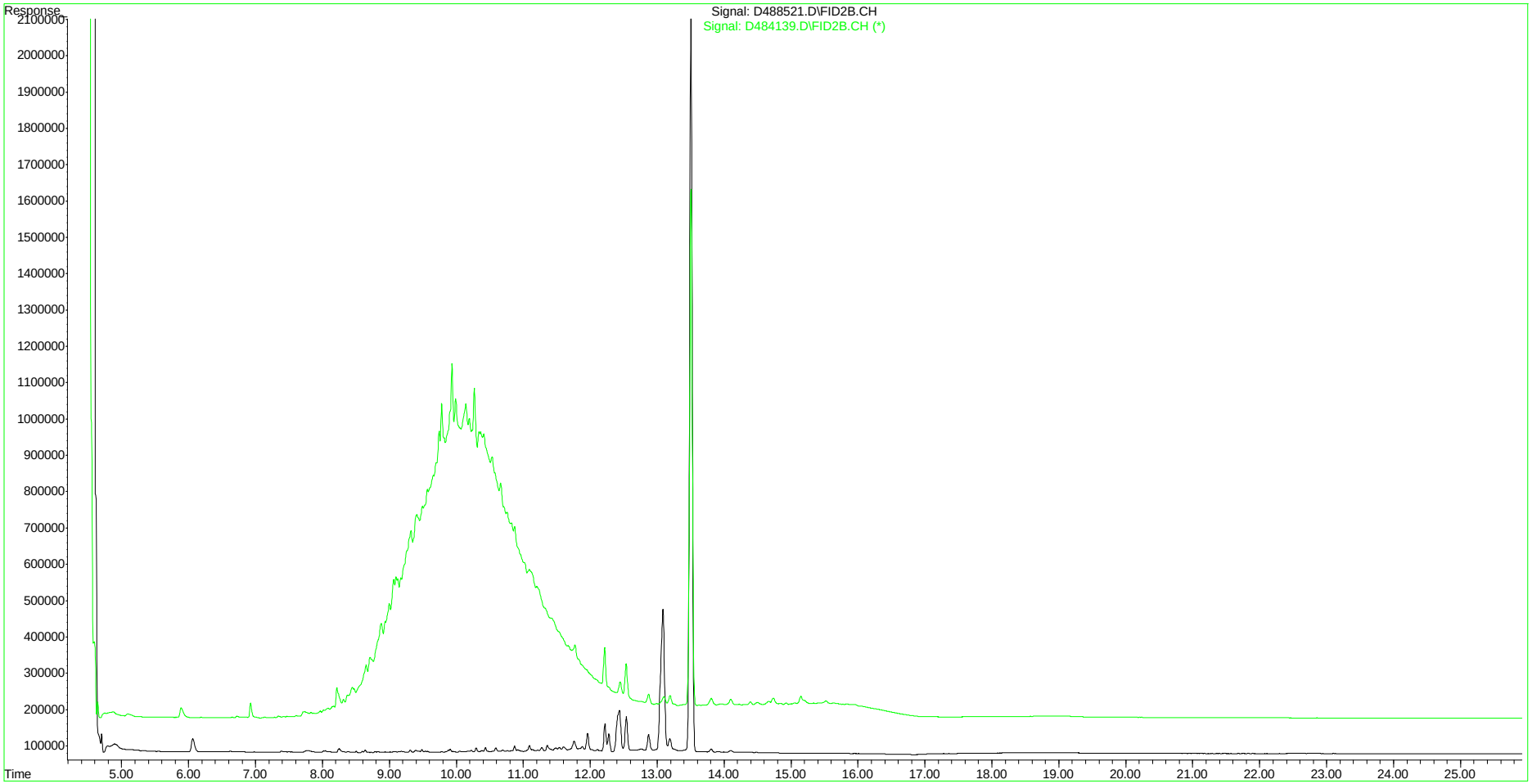
File :C:\Datafolder\D488521.D
Operator : TRW
Acquired : 12 Oct 2012 2:30 pm using AcqMethod BOTH.M
Instrument : Instrumen
Sample Name: 82905-06 a w 1 ;101106|415326
Misc Info :
Vial Number: 64



APPENDIX F

Correspondence

CERTIFIED COPY
CLERK OF THE COURT:
DATE: 03-26-12 AM 11:24 REF:
INTERTRIBAL COURT OF SOUTHERN CALIFORNIA
49002 GOLSH ROAD
VALLEY CENTER, CA 92082

THE INTERTRIBAL COURT OF SOUTHERN CALIFORNIA
RINCON BAND OF LUISENO INDIANS

RINCON BAND OF LUISENO INDIANS, Plaintiff, v. MARVIN DONIUS, an individual, and MUSHROOM EXPRESS, INC., a California Corporation, Defendants.	**Case No. RINCON-02972009** **ORDER**

THIS MATTER came before the Court on the Tribe's Motion for Order Compelling Site Access ("Motion"). Specifically, the Tribe seeks an order authorizing the Tribe to be present on the property located at 33777 Valley Center Road, Rincon Reservation, San Diego County ("Former Mushroom Farm" or "FMF"), California from March 26 through April 2, 2012 for the purposes of obtaining soil and groundwater samples pursuant to the Tribal Council approved workplan prepared by Applied Engineering and Geology, Inc ("AEG"). Upon consideration of the Motion, supporting memorandum and exhibits, the declarations of Defendants, and the Court's file in this case, the Court issues the following memorandum opinion and Order:

By order issued June 2, 2009, the Court concluded that the Tribe has civil regulatory jurisdiction over the FMF. The Court's order was not appealed to the Tribal Court of Appeals. However, at the Defendants' request, this Court has agreed to entertain anew, as a motion to

reconsider, the Defendants' objections to the Tribe's jurisdiction. At the Parties' request, the Court allowed additional discovery to be taken on issues related to the Tribe's jurisdiction, or lack thereof.

A principal argument advanced by the Tribe is that, under the facts and circumstances of this case, the Tribal civil regulatory jurisdiction lies under the second *"Montana"* exception because past and current activities at the FMF pose a direct and substantial threat to the Tribe's federally-reserved Reservation groundwater resources. The Tribe argues, and the Court agrees, that evidence of actual groundwater contamination present upon the FMF is relevant to the establishment of the Tribe's civil regulatory jurisdiction under *Montana's* second exception. The Court also agrees that the soil and groundwater contamination present around the perimeter of the FMF, as revealed in the December 29, 2011 Report ("Report"), warrant the proposed on-site testing. Finally, the Court notes that the authors of the Report and the workplan for on-site testing are registered professional civil engineers ("AEG") and that the workplan has been approved by the Tribal Council ("AEG Workplan").

As evidenced by the Declaration of Marvin Donius, the Defendants advise that they will not consent to the proposed on-site sampling called for in the AEG Workplan, scheduled to take place at the FMF between March 26 and April 2, 2012. In essence, Defendants oppose the AEG Workplan because they maintain permits must be obtained from the San Diego Department of Environmental Health prior to the drilling of any on-site test boreholes or test wells. Defendants argue that by permitting such activities without a County-issued permit, they expose themselves to potential criminal liability under California law.

Given this Court's prior ruling on jurisdiction, the Court determines that Tribe may properly enter and remain upon the FMF for the purposes of conducting an investigation of the

source of the TPHd and TPHmo contamination detected around the perimeter of the site, pursuant to the tribally-approved AEG Workplan. The Court finds that sufficient evidence exists to warrant the proposed onsite testing, not only for the purpose of accessing evidence material to the Defendants' jurisdictional objections, but also to address community safety concerns associated with soil and groundwater contamination.

The Court's entry of an order compelling site access should put the Defendants at some ease, as it will make clear that the on-site testing at the FMF is an act of the Tribe, through its agents (over which the County clearly does not have jurisdiction), as opposed to a voluntary act of Defendants. The Court will also require that the Tribe hold Defendants harmless from any liability that may arise because of the Tribe's performance of the on-site testing at the FMF pursuant to this Court's order.

Based upon the Foregoing, its is hereby ORDERED:

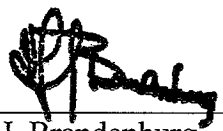
1. The Tribe and its agents are hereby authorized to access the property located at 33777 Valley Center Road, Rincon Reservation, San Diego County ("Former Mushroom Farm" or "FMF"), California from March 26 through April 2, 2012 for the purposes of obtaining soil and groundwater samples pursuant to the approved AEG Workplan. The Tribe and its, officers and agents (to specifically include AEG staff) are authorized to be present on-site during those days from the hours of 6 a.m. through 7 p.m. for the sole purpose of effectuating the AEG Workplan.

2. The Tribe and its agents shall allow Defendants or their designated representatives to be present and to observe all testing performed pursuant to this Order, and Defendants shall further be provided with all associated test results and reports.

3. The Tribe shall indemnify and hold the Defendants' harmless for any liability that may arise because of the Tribe's performance of the on-site testing at the FMF pursuant to this Order.

4. All prior orders of the Court remain in effect.

So Ordered this 26 Day of March, 2012



Anthony J. Brandenburg
Chief Judge
Intertribal Court of Southern California

Dane Frank

From: Earl Stephens
Sent: Monday, March 05, 2012 2:38 PM
To: 'Mandi Isbell'; 'Scott Wheat'
Cc: 'Scott Wheat'; Dane Frank; Stephen Lane
Subject: FW: Rincon Mushroom Farm - Revised Proposed Onsite Borehole Locations Figure
Attachments: Mushroom Farm - Proposed Revised Onsite Borehole Locs.pdf

Hello Scott and Mandi:

Attached is Figure A – Proposed Revised Onsite Borehole Locations depicting the approximate locations of the proposed boreholes to be placed on the Former Mushroom Farm property.

The revised locations reflect their placement based on our February 27, 2012 site inspection.

At the time of our site inspection, the onsite tenant (Steve) stated that AEG/Pacific Drilling were welcome to come back on and perform the proposed drilling, without Federal or Tribal agent escort, provided he received "a days notice". I would prefer that the notice went through official channels.

In addition, Steve approved the locations of the proposed boreholes as marked on the ground on February 27, 2012 using white spray paint. Steve also stated that the actual location of the borehole could be moved 10 feet in any direction of the marked location to accommodate the placement of the drill rig.

If you have any questions or require additional information, please contact me at your convenience.

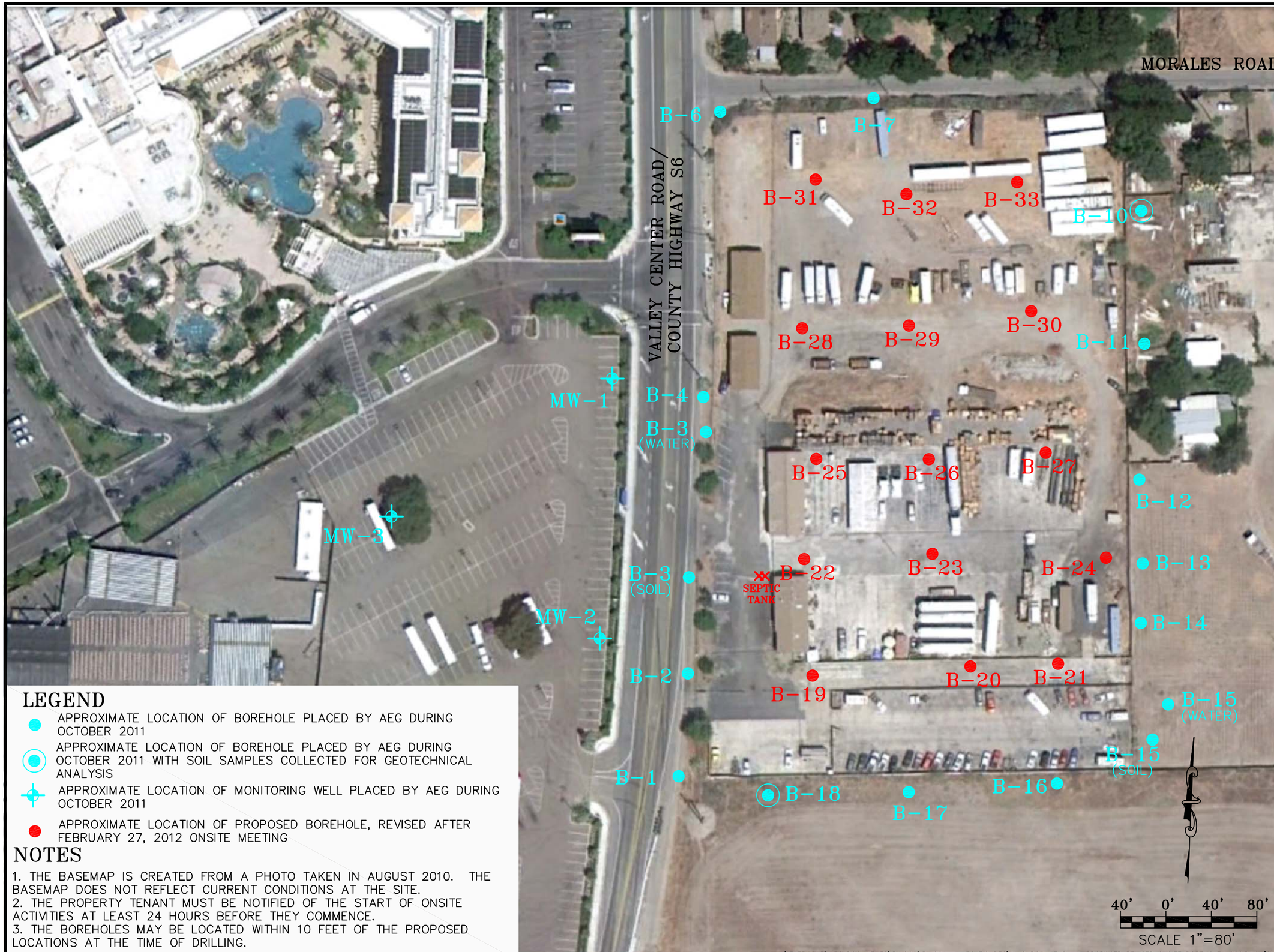
Thank you,

Earl Stephens
Applied Engineering and Geology, Inc.
916.645.6014 Office
916.996.3069 Cell

From: Dane Frank
Sent: Monday, March 05, 2012 1:58 PM
To: Earl Stephens; Stephen Lane
Subject: Rincon Mushroom Farm - Revised Proposed Onsite Borehole Locations Figure

Attached is a PDF of the revised proposed onsite borehole locations figure for the Rincon Mushroom Farm.

Dane



LEGEND

- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING OCTOBER 2011
- APPROXIMATE LOCATION OF BOREHOLE PLACED BY AEG DURING OCTOBER 2011 WITH SOIL SAMPLES COLLECTED FOR GEOTECHNICAL ANALYSIS
- APPROXIMATE LOCATION OF MONITORING WELL PLACED BY AEG DURING OCTOBER 2011
- APPROXIMATE LOCATION OF PROPOSED BOREHOLE, REVISED AFTER FEBRUARY 27, 2012 ONSITE MEETING

NOTES

1. THE BASEMAP IS CREATED FROM A PHOTO TAKEN IN AUGUST 2010. THE BASEMAP DOES NOT REFLECT CURRENT CONDITIONS AT THE SITE.
2. THE PROPERTY TENANT MUST BE NOTIFIED OF THE START OF ONSITE ACTIVITIES AT LEAST 24 HOURS BEFORE THEY COMMENCE.
3. THE BOREHOLES MAY BE LOCATED WITHIN 10 FEET OF THE PROPOSED LOCATIONS AT THE TIME OF DRILLING.

PROPOSED REVISED ONSITE BOREHOLE LOCATIONS
FORMER RINCON MUSHROOM FARM
33777 VALLEY CENTER ROAD
VALLEY CENTER, CALIFORNIA 92802

FIGURE A

APPROVAL	DATE

APPLIED ENGINEERING AND GEOLOGY, INC.
Engineers • Environmental Assessors • Geologists
P.O. BOX 247 LINCOLN, CA 95648
P: (916) 645.6014 aegEngineers.com

SITE NAME:	RINCON TRAVEL CENTER	**SURVEY DATE:**	3/30/2012
SITE ADDRESS:	777 HARRAH'S RINCON WAY VALLEY CENTER, CA 92082	**SURVEY METHOD:**	GPS

GPS EQUIPMENT:	S/P EPOCH 35 DUAL GPS	**TOTAL STATION:**	N/A
	ACCURACY: HORIZONTAL AND VERTICAL: 30CM		

WELL NUMBER	**NAD83 (CA-ZONE6)**	**DECIMAL DEG.**	ELEVATION DATUM: ELEVATION METHOD:	NAVD88 GPS

	LATITUDE	LONGITUDE	TOC ELEV.
MW1	33.265892730	116.953912780	863.91
MW2	33.265262396	116.953960921	865.90
MW3	33.265582921	116.954555805	863.36
MW4	33.266527964	116.954046115	862.63
MW5	33.266597133	116.952671831	866.97
MW6	33.265925431	116.951920018	868.85
MW7	33.265174106	116.952405273	868.67
MW8	33.265201558	116.951488551	869.91
MW9	33.264615277	116.953011128	868.55
MW10	33.264543323	116.954072974	866.70
EW1	33.264889890	116.953564904	866.77
EW2	33.264902988	116.952560557	867.52

SURVEY PERFORMED FOR:	SURVEY PERFORMED BY:	
Rincon Band of Luiseno Indians P.O. Box 68 Valley Center, CA 92082	Sampo Engineering, Inc. 1034 Second Street Encinitas, CA 92024 (760) 436-0660 ext. 12	VINCENT L. SAMPO LS 7655 EXP. 12/31/2012

SITE NAME:	RINCON TRAVEL CENTER	**SURVEY DATE:**	3/30/2012
SITE ADDRESS:	777 HARRAH'S RINCON WAY VALLEY CENTER, CA 92082	**SURVEY METHOD:**	GPS

GPS EQUIPMENT:	S/P EPOCH 35 DUAL GPS	**TOTAL STATION:**	N/A
HORIZONTAL ACCURACY: 30 cm	VERTICAL ACCURACY: 0.1 FT		

WELL NUMBER	**NAD83 (CA-ZONE6)**	**DECIMAL DEG.**	ELEVATION DATUM: ELEVATION METHOD:	NAVD88 GPS

	LATITUDE	LONGITUDE	TOC ELEV.
MW1	33.265892730	116.953912780	863.91
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MW10	33.264543323	116.954072974	866.70
EW1	33.264889890	116.953564904	866.77
EW2	33.264902988	116.952560557	867.52

SURVEY PERFORMED FOR:	**SURVEY PERFORMED BY:**	
Rincon Band of Luiseno Indians P.O. Box 68 Valley Center, CA 92082	Sampo Engineering, Inc. 1034 Second Street Encinitas, CA 92024 (760) 436-0660 ext. 12	VINCENT L. SAMPO LS 7655 EXP. 12/31/2012

Dane Frank

From: Jesse Owens [jesse@sampoengineering.com]
Sent: Thursday, September 06, 2012 4:18 PM
To: Stephen Lane
Cc: Vince Sampo
Subject: RE: Rincon survey data

Stephen,

Per our phone conversation this afternoon the vertical accuracy that was added to the Monitoring Well Survey Report lists the State's minimum required accuracy for monitoring wells. The actual accuracy of the TOC elevations are within the 0.01' relative to each other that was asked of us. The elevations were also on the State's required NAVD 88 vertical datum. I hope this clarifies the accuracy for you. Please feel free to contact me if you have any additional questions. Thanks,

Jesse Owens, PE

Sampo Engineering, Inc.
1034 Second Street
Encinitas, CA 92024
(760) 436-0660 ext. 12
(760) 436-0659 fax
www.sampoengineering.com

From: Stephen Lane [mailto:Steve@aegengineers.com]
Sent: Thursday, August 02, 2012 3:05 PM
To: Jesse Owens
Subject: RE: Rincon survey data

Thanks Jesse,

Appreciate the quick response.

If you have any questions or require any additional information, please call me at 916.645.6014.

Stephen Lane, PE
Senior Project Engineer
Applied Engineering and Geology, Inc.
916.645.6014 Office
steve@aegEngineers.com

From: Jesse Owens [mailto:jesse@sampoengineering.com]
Sent: Thursday, August 02, 2012 9:16 AM
To: Stephen Lane

Cc: Vince Sampo
Subject: RE: Rincon survey data

Steve,

Here is the revised report with the vertical accuracy revised. Thanks,

Jesse

From: Stephen Lane [mailto:Steve@aegengineers.com]
Sent: Thursday, August 02, 2012 6:15 AM
To: Jesse Owens
Subject: RE: Rincon survey data

Hey Jesse,

The survey you sent over has an accuracy of 30 cm listed for the vertical as well as the horizontal. Can you verify the vertical accuracy for me please?

If you have any questions or require any additional information, please call me at 916.645.6014.

Stephen Lane, PE
Senior Project Engineer
Applied Engineering and Geology, Inc.
916.645.6014 Office
steve@aegEngineers.com

From: Jesse Owens [mailto:jesse@sampoengineering.com]
Sent: Wednesday, August 01, 2012 3:35 PM
To: Stephen Lane
Cc: sselland@RinconTribe.org; Vince Sampo
Subject: Rincon survey data

Steve,

Here are the results of the survey data for the Rincon Travel Center monitoring wells for your use. Please feel free to contact me if you have any questions. Thanks,

Jesse Owens, PE

Sampo Engineering, Inc.
1034 Second Street
Encinitas, CA 92024
(760) 436-0660 ext. 12
(760) 436-0659 fax
www.sampoengineering.com

SITE NAME:	RINCON TRAVEL CENTER	**SURVEY DATE:**	11/20/2012
SITE ADDRESS:	777 HARRAH'S RINCON WAY VALLEY CENTER, CA 92082	**SURVEY METHOD:**	GPS

GPS EQUIPMENT:	S/P EPOCH 35 DUAL GPS	**TOTAL STATION:**	N/A
HORIZONTAL ACCURACY: 30 cm	VERTICAL ACCURACY: 0.1 FT		

WELL NUMBER	**NAD83 (CA-ZONE6)**	**DECIMAL DEG.**	ELEVATION DATUM: ELEVATION METHOD:	NAVD88 GPS

	LATITUDE	LONGITUDE	TOC ELEV.
MW3	33.265582862	116.954555524	863.37
EW1	33.264889612	116.953563340	866.38

SURVEY PERFORMED FOR:	**SURVEY PERFORMED BY:**	
Rincon Band of Luiseno Indians P.O. Box 68 Valley Center, CA 92082	Sampo Engineering, Inc. 1034 Second Street Encinitas, CA 92024 (760) 436-0660 ext. 12	VINCENT L. SAMPO LS 7655 EXP. 12/31/2012

LICENSED LAND SURVEYOR
VINCENT L. SAMPO
No. 7655
STATE OF CALIFORNIA

Dane Frank

From: Jesse Owens [jesse@sampoengineering.com]
Sent: Tuesday, November 20, 2012 3:38 PM
To: Dane Frank
Cc: vince@sampoengineering.com; Earl Stephens
Subject: RE: Rincon RFQ #2012-005

Dane,

The vertical accuracy shown on the Monitoring Well Survey Report lists the State's minimum required accuracy for monitoring wells. The actual accuracy of the TOC elevations are within the 0.01' and the horizontal is within 0.1' relative between the wells (shot adjacent to "V" notch). Thanks,

Jesse

From: Dane Frank [mailto:Dane@aegengineers.com]
Sent: Tuesday, November 20, 2012 3:26 PM
To: Jesse Owens
Cc: vince@sampoengineering.com; Earl Stephens
Subject: RE: Rincon RFQ #2012-005

Thanks Jesse.

Could you please confirm the survey is accurate to 0.1 feet horizontal relative between wells, and 0.01 feet vertical relative between wells. I believe you confirmed this for the last survey of the Rincon Mushroom Farm wells as well.

Thanks,

Dane

From: Jesse Owens [mailto:jesse@sampoengineering.com]
Sent: Tuesday, November 20, 2012 2:12 PM
To: Dane Frank
Cc: vince@sampoengineering.com; Earl Stephens; Stephen Lane
Subject: RE: Rincon RFQ #2012-005

Dane,

I have attached the survey report for monitoring wells MW3 and EW1 for your use. I carved out a "V" notch on the easterly sides of the top of casings for both wells and shot directly adjacent to the notches. Please feel free to contact me if you have any questions. Thanks,

Jesse Owens, PE

Sampo Engineering, Inc.
1034 Second Street
Encinitas, CA 92024
(760) 436-0660 ext. 12
(760) 436-0659 fax
www.sampoengineering.com

Dane Frank

From: John Anderson [JAnderson@waterboards.ca.gov]
Sent: Tuesday, December 20, 2011 10:16 AM
To: Stephen Lane
Subject: TPH Guidance

Steve,

Hopefully these links will answer your questions. Please feel free to call me if you have further questions. Any questions regarding the County DEH SAM Manual can be addressed through Mr. Kevin Heaton at (858) 505-6878.

We use the following:

San Francisco Regional Board's ESLs for Tier 1 screening purposes.

County of San Diego Site Assessment Manual: http://www.sdcounty.ca.gov/deh/water/sam_manual.html

Waste Discharge Requirements for the Disposal and/or Reuse of Petroleum Fuel Contaminated Soils (FCS) in the San Diego Region:
http://www.waterboards.ca.gov/sandiego/board_decisions/adopted_orders/2002/2002_0342wdr.pdf
and accompanying Monitoring and Reporting program:
http://www.waterboards.ca.gov/sandiego/board_decisions/adopted_orders/2002/2002_0342petro.pdf
and Fuel Contaminated Soils Certification Form:
http://www.waterboards.ca.gov/sandiego/board_decisions/adopted_orders/2002/2002_0342cert.pdf

There is also a conditional waiver for
- Discharges of soils containing petroleum wastes to temporary waste piles (Conditional Waiver No 8.II.C.2)

http://www.waterboards.ca.gov/sandiego/board_decisions/waivers/docs/Conditional_Waiver_8_Final.pdf
It reads as follows:

"2. For soils containing petroleum hydrocarbons temporarily stored in waste piles, the following conditions apply:
a) Soils and associated solid waste containing petroleum hydrocarbons discharged into temporary waste piles shall be limited to a maximum time period of 3 months or 90 days on a site.
b) Soils and associated solid waste containing petroleum hydrocarbons discharged into temporary waste piles under an initial certification report must be derived from only one source (e.g., one unauthorized release site).
c) Temporary waste piles must be covered by plastic sheeting (not less than 10 mils thick) to adequately prevent rainwater infiltration, control fugitive dust, and other nuisances.
d) Temporary waste piles must be underlain by either plastic sheeting (not less than 10 mils thick) or a liner of low permeability that will prevent leachate from infiltrating to groundwater.
e) In addition to the conditions stated herein, temporary waste piles must conform to applicable provisions in the state's local oversight program (LOP) for Orange, Riverside, or San Diego Counties.
f) The site must be restored to its original state within 30 days after removal of the temporary waste pile from the site."

Regards,
John

John P. Anderson, P.G. 5895
Senior Engineering Geologist
Southern Cleanup Unit
San Diego Regional Water Quality Control Board
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4353
tel (858) 467-2975

fax (858) 571-6972
e-mail: Janderson@waterboards.ca.gov

Dane Frank

From: Dane Frank
Sent: Wednesday, September 12, 2012 3:58 PM
To: Stephen Lane
Subject: FW: Former Rincon Mushroom Farm (33777 Valley Center Road, Valley Center, California) Sampling Procedures - Third Quarter 2012

From: Heaton, Kevin[SMTP:KEVIN.HEATON@SDCOUNTY.CA.GOV]
Sent: Wednesday, September 12, 2012 3:58:09 PM
To: Dane Frank
Cc: McPherson, Mark; Miller, Jack
Subject: RE: Former Rincon Mushroom Farm (33777 Valley Center Road, Valley Center, California) Sampling Procedures - Third Quarter 2012
Auto forwarded by a Rule

Dane,

Sorry for the delay in getting back to you. We have received the request and I should be able to follow up on it by next week.

Kevin Heaton, PG 4163, CHg. 163
Senior Hydrogeologist
Site Assessment and Mitigation Program
Department of Environmental Health
(858) 505-6878

From: Dane Frank [mailto:Dane@aegengineers.com]
Sent: Wednesday, September 05, 2012 8:30 AM
To: Heaton, Kevin
Cc: scottwheat@me.com; DWalsh@RinconTribe.org; mandiinspokane@Yahoo.com; Stephen Lane; Earl Stephens
Subject: Former Rincon Mushroom Farm (33777 Valley Center Road, Valley Center, California) Sampling Procedures - Third Quarter 2012

Mr. Heaton,

AEG has prepared these Sampling Procedures to be used while sampling the monitoring wells associated with the Former Rincon Mushroom Farm during Third Quarter 2012. These sampling procedures are being called out so that the regulatory agencies involved with the investigation can review the procedures before the sampling event with the understanding that these sampling procedures will allow the analytical results from these samples to be used in State, Tribal, and/or Federal Court. If you would like any revisions to these sampling procedures to be made, please contact AEG immediately. The Sampling Procedures are shown below.

Sampling Procedures
The wells will be purged and sampled in order of least to most contaminated based on the results of the previous sampling event. During the previous sampling event, only MW-6 (see attached Figure) was reported to contain contamination above their Method Reporting Limits (MRLs); therefore, MW-6 will be sampled last, and the other wells will be sampled in the order that is determined to be most convenient by the sampler.

Any equipment that is to enter a well, with the exception of disposable equipment designed for one use only, will be decontaminated with soapy (Liquinox) and clean water prior to entering the well.

Prior to the collection of groundwater samples, the monitoring wells will be purged of at least three well volumes or until dry. The wells will be purged using disposable bailers. The temperature, pH, conductivity, oxidation reduction potential (ORP), total dissolved solids (TDS), and dissolved oxygen (DO) will be measured at specific points during purging, to verify groundwater parameters have stabilized, and recorded. Before purging any well, the depth to groundwater will be measured in all wells from notches placed on the north side of the top of the well casings, with MW-6 being measured last. Groundwater elevations will be calculated by subtracting the depth to groundwater in each well from the elevation of the top of the PVC casing. Following the purge, a well will not be sampled until it has recharged a minimum of 80 percent.

Once groundwater parameters have stabilized, groundwater samples will be collected using disposable polyethylene bailers and placed in HCl preserved VOAs and non-preserved 250-ml polys. The samples will then be labeled, stored in a chilled ice chest, and transported under strict chain-of-custody to Kiff Analytical, LLC (a State of California certified analytical laboratory) for analysis. A Kiff courier will pick up the samples at the Site and transport them to the laboratory under chain of custody.

All groundwater samples collected will by analyzed by EPA Method 8260B for total petroleum hydrocarbons as gasoline (TPHg); benzene, toluene, ethylbenzene, and xylenes (BTEX); and methyl tert butyl ether (MTBE) and by EPA Method 8015M for total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons as motor oil (TPHmo). Additionally, the groundwater samples collected from MW-4, MW-7, MW-8 (background), EW-1, and EW-2 will be analyzed by EPA Method 300 for nitrates.

If you have any questions, or require additional information, please contact me at 916.645.6014.

Thank you,

Dane Frank
Staff Engineer
Applied Engineering and Geology, Inc.
P: 916.645.6014
F: 916.645.6098
Dane@aegEngineers.com

Dane Frank

From: Dane Frank
Sent: Thursday, September 20, 2012 3:14 PM
To: 'KEVIN.HEATON@SDCOUNTY.CA.GOV'
Cc: 'scottwheat@me.com'; 'DWalsh@RinconTribe.org'; 'mandiinspokane@Yahoo.com'; Stephen Lane; Earl Stephens
Subject: RE: Former Rincon Mushroom Farm (33777 Valley Center Road, Valley Center, California) Sampling Procedures - Third Quarter 2012

Kevin,

AEG personnel are scheduled to be onsite at the Former Rincon Mushroom Farm this coming Monday (September 24, 2012) to perform sampling activities. If you have any questions on, want revisions to, or wish to comment on the Sampling Procedures (shown below), tomorrow (September 21, 2012) is the last day before the sampling event that AEG will be available to address any issues.

Please let me know if San Diego County is planning on commenting on the proposed procedures, or if they are acceptable as is.

Thank you,

Dane

From: Heaton, Kevin[SMTP:KEVIN.HEATON@SDCOUNTY.CA.GOV]
Sent: Wednesday, September 12, 2012 3:58:09 PM
To: Dane Frank
Cc: McPherson, Mark; Miller, Jack
Subject: RE: Former Rincon Mushroom Farm (33777 Valley Center Road, Valley Center, California) Sampling Procedures - Third Quarter 2012
Auto forwarded by a Rule

Dane,

Sorry for the delay in getting back to you. We have received the request and I should be able to follow up on it by next week.

Kevin Heaton, PG 4163, CHg. 163
Senior Hydrogeologist
Site Assessment and Mitigation Program
Department of Environmental Health
(858) 505-6878

From: Dane Frank [mailto:Dane@aegengineers.com]
Sent: Wednesday, September 05, 2012 8:30 AM
To: Heaton, Kevin
Cc: scottwheat@me.com; DWalsh@RinconTribe.org; mandiinspokane@Yahoo.com; Stephen Lane; Earl Stephens
Subject: Former Rincon Mushroom Farm (33777 Valley Center Road, Valley Center, California) Sampling Procedures - Third Quarter 2012

Mr. Heaton,

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understanding that these sampling procedures will allow the analytical results from these samples to be used in State, Tribal, and/or Federal Court. If you would like any revisions to these sampling procedures to be made, please contact AEG immediately. The Sampling Procedures are shown below.

Sampling Procedures

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All groundwater samples collected will by analyzed by EPA Method 8260B for total petroleum hydrocarbons as gasoline (TPHg); benzene, toluene, ethylbenzene, and xylenes (BTEX); and methyl tert butyl ether (MTBE) and by EPA Method 8015M for total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons as motor oil (TPHmo). Additionally, the groundwater samples collected from MW-4, MW-7, MW-8 (background), EW-1, and EW-2 will be analyzed by EPA Method 300 for nitrates.

If you have any questions, or require additional information, please contact me at 916.645.6014.

Thank you,

Dane Frank
Staff Engineer
Applied Engineering and Geology, Inc.
P: 916.645.6014
F: 916.645.6098
Dane@aegEngineers.com

Dane Frank

From: Heaton, Kevin [Kevin.Heaton@sdcounty.ca.gov]
Sent: Thursday, September 20, 2012 3:32 PM
To: Dane Frank
Cc: McPherson, Mark; Miller, Jack
Subject: Groundwater Sampling Procedures
Attachments: Pages 5-45 to 5-51 -SAM Manaul - Section_5.pdf

Dear Mr. Frank,

On September 5, 2012 the County of San Diego, Department of Environmental Health received your email requesting comments on sampling procedures..

Please find attached excerpts from the County of San Diego, Department of Environmental Health's, SAM Manual, Section 5 which lays out the acceptable purging and sampling procedures. This section outlines the acceptable methods of purging and sampling that we apply in the County of San Diego. For a complete copy of the document you can go to the following web page:

http://www.sdcounty.ca.gov/deh/water/sam_manual.html

The purging method you have described is the High-Flow Purging and Sampling Method which can be found in Section VII, B, 1 of the attachment (Pages 5-48 to 5-51).

In regards to the proposed sampling plan, there are several differences we would highlight in the plan as compared to our guidance document:

- The proposal is to remove three well volumes (casing volumes). The standard is to measure borehole volumes not casing volumes. The purpose of purging the well is to remove all stagnant water from the entire borehole so that the sample being collected is representative of the formational water. The use of casing volumes is insufficient to meet this task.

- The statement that each well would be purged up to three volumes or until dry implies that purging a well to dryness is acceptable. The drawback to this condition is described on page 5-47. This can be prevented in most cases by purging the well at a slower rate.

- The statement indicating a well will not be sampled until the well has recharged to a minimum of 80 percent is too limiting. On page 5-45 (Term: Recovery) and page 5-50, Section g, (1) & (2) of the attachment we define two type of well recoveries: Fast recharging and slow recharging. The key difference is a slow recharging well will take longer than two hours to recover to 80 percent. Generally the slow recharging well should be sampled at two hours.

- On page 5-49 we provide the equations for the calculation of borehole volumes and percent recovery.

You can find a lot of other helpful information in DEH's SAM Manual as it relates to the assessment and cleanup of contaminated properties. If you have any additional general questions please email, kevin.heaton@sdcounty.ca.gov or call at (858) 505-6878.

Kevin Heaton, PG 4163, CHg. 163
Senior Hydrogeologist
Site Assessment and Mitigation Program
Department of Environmental Health
(858) 505-6878