SURFACE WATER AND GROUNDWATER SAMPLING FOR SPECIFIC ORGANIC/INORGANIC CHEMICALS AND PERCHLORATE

RUNKLE CANYON PROPERTY
VENTURA COUNTY, CALIFORNIA

PREPARED FOR

GREENPARK RUNKLE CANYON, LLC
3010 OLD RANCH PARKWAY,
SUITE 330
SEAL BEACH, CALIFORNIA 90740-2750

PREPARED BY:

MILLER BROOKS ENVIRONMENTAL, INC.
2124 MAIN STREET,
SUITE 200
HUNTINGTON BEACH, CALIFORNIA 92648

SEPTEMBER 17, 2003

MILLER BROOKS
Environmental, Inc.

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STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

This report was prepared for the sole use of GreenPark Runkle Canyon, LLC. Any other use without the written consent of Miller Brooks Environmental, Inc. (Miller Brooks) is prohibited. The conclusions and recommendations presented herein are based solely upon the agreed upon scope of work outlined in this report. Miller Brooks makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others. It is possible that information exists beyond the scope of this investigation. Additional information, which was not found or available to Miller Brooks at the time of writing this report, may result in modification of the conclusions and recommendations presented. This report is not a legal opinion. The services performed by Miller Brooks have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions. No other warranty, expressed or implied, is made.

This investigation/project was supervised or personally conducted by the licensed professional whose signature and license number appears below.

MILLER BROOKS ENVIRONMENTAL, INC.

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September 17, 2003

Miller Brooks Environmental Project Number 01-402-0002-03

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1.0 INTRODUCTION

Miller Brooks Environmental, Inc. (Miller Brooks) conducted a surface water and groundwater sampling program on the 1,615-acre Runkle Canyon Property (Property) in Ventura County, California (see Figure 1). The sampling program was conducted at the request of GreenPark Runkle Canyon, LLC (GreenPark). The purpose of the sampling program was to collect surface water and groundwater samples and perform analyses for perchlorate and other specific organic and inorganic chemicals.

1.1 SUMMARY OF CONCLUSIONS

During this investigation, no concentrations of petroleum hydrocarbons or volatile organic compounds (VOCs) were detected in the surface water or groundwater. No concentrations of perchlorate were detected in surface water samples collected at the Property, or in the groundwater sample collected from the groundwater monitoring well at the Property (Well-1) during this investigation. In addition, soil samples, surface water samples from springs and seeps, and National Pollutant Discharge Elimination System (NPDES) discharge samples collected by the Department of Toxic Substances Control (DTSC) and The Boeing Company (Boeing) at or near the Runkle Canyon Property as part of the Rocketdyne Propulsion and Power, Santa Susana Field Laboratory (SSFL) sampling programs show no detectable concentrations of perchlorate. Perchlorate, at levels ranging between 130 to 156 times less than the Environmental Protection Agency (EPA) Preliminary Remediation Goals (PRG) for perchlorate in residential soil (7.8 milligrams per kilogram [mg/kg]), was detected in two groundwater/silt samples collected at depths greater than 35 feet below the surface of the Property. Based on the depth of the two silt samples impacted with perchlorate, the extremely low levels of perchlorate detected in those samples, the non-detectable levels found in all other samples, and the lack of exposure pathways, there is no indication that activities at the Property surface will be impacted by perchlorate.

1.2 CHARACTERISTICS OF PERCHLORATE

Perchlorate (ClO_4^{-1}) is a naturally occurring anion that forms salts in conjunction with cations such as magnesium and potassium (Montgomery Watson Harza [MWH], 2003). Perchlorate may be found naturally in the environment or as a manufactured product. Perchlorate originates as a contaminant in the environment from the solid salts of ammonium, potassium, or sodium perchlorate. Perchlorate is used to make solid fuel propellants for rockets, missiles, and fireworks. It is also used to make rubber, electronic tubes, lubricating oils, matches, fertilizers, paints and enamels. It is often a component in electroplating and aluminum refining (EPA, 2003). The perchlorate part of the salts is quite soluble in water and the resultant anion is very mobile in aqueous systems (EPA, 1999). The solubility of perchlorate in water has led to contamination of water supplies throughout California and Nevada. Arizona's Central Arizona Project (CAP) collected samples from Lake Mead between 1998 and 1999 and detected perchlorate at concentrations ranging from 4 parts per billion (ppb) to 16 ppb. Perchlorate concentrations at California's Lake Havasu have averaged between 4 ppb and 9 ppb during sampling events conducted between 1998 and 1999 (EPA, 1999).

2.0 SITE DESCRIPTION

2.1 SITE LOCATION AND LEGAL DESCRIPTION

The subject Property is located within an area of undeveloped land referred to as Runkle Canyon, located at the terminus of Sequoia Avenue in the City of Simi Valley in Ventura County, California. The Property consists of three land parcels totaling approximately 1,615 acres. The Property is identified by the Ventura County's Assessors office as Parcel Numbers 685-130-180, 634-010-495, 685-040-075, 658-040-095, 658-040-100, 658-040-140, 685-040-165, 685-040-190, 685-040-200, 685-040-210, 685-040-220, 685-040-240, 685-051-225, 658-051-230, 658-130-160, and 685-040-255. There is no known street address for the subject Property. The Property location is shown on Figure 1.

2.2 SITE AND VICINITY CHARACTERISTICS

The subject Property consists of a north-south trending valley with hills to the south, east and west. The northeastern parcel consists of 550 acres within a valley that contains a small stream that drains to the north, and has downcut through the soil in the valley. The northern portion of the valley consists of a gently sloping plateau area that is bordered to the north by a residential development, consisting of single-family homes. The northwestern parcel consists of 350 acres of undeveloped land, separated from the valley to the east by a steep ridgeline. The southern portion of the Property consists of 715 acres of land that is comprised of a hilltop plateau used for cattle grazing. Adjacent to the east of the Property is undeveloped land used for horse grazing. The SSFL facility is located on a hilltop plateau to the east and southeast of the Property. The SSFL facility is located at a higher topographic elevation than the subject Property; however, a steep ridgeline separates the facility from the Property (Figure 1).

The Property is currently used for cattle grazing. A former sand and gravel mine was located on the central portion of the Property, extending onto the southern 715-acre parcel. The sand and gravel mine was in operation until approximately 1985 and the features associated with the mine included a small building, a conveyor system (removed), and asphalt roadways. In 1985, the County of Ventura designated the mine as closed and reclaimed (County of Ventura, 2000).

3.0 ENVIRONMENTAL SETTING

The Property is located on the United States Department of the Interior, Geological Survey (USGS) Topographic Maps (7.5-minute series) for the Calabasas Quadrangle dated 1952 and photorevised in 1967. The Property is located in the Simi Hills at the southern end of the Simi Valley, with elevations ranging from approximately 1,000 feet to 2,200 feet above mean sea level (USGS, 1952).

3.1 GEOLOGY

The Property is located on the northern flank of the Simi Hills, within the Western Transverse Ranges geomorphic province. The area is characterized by numerous east-west trending folds and reverse faults from ongoing compressional stresses. The Burro Flats Fault dissects the southern portion of the Property in an east-west direction, but has not been designated as an active fault by the State of California (California Division of Mines and Geology [CDMG], 1984).

The dominant geologic formations underlying the Property are the Santa Susana, Llajas and Chatsworth Formations. These are composed mainly of marine shales and sandstones. The geologic units in the area range from Upper Cretaceous to Lower Tertiary in age. The valley floors and stream channels are blanketed by Quaternary alluvium. Isolated remnants of older alluvial deposits are located within the elevated areas, generally adjacent to the main drainage of Runkle Canyon. They generally consist of medium- to reddish-brown sandy silt and clay with sand and cobble lenses. The maximum thickness of older alluvium encountered during previous subsurface investigations is 75 feet (CDMG, 1984).

3.2 HYDROGEOLOGY

The Property is located south of the Simi Valley Groundwater Basin within the Calleguas Creek Watershed. The major drainages in the area are the Los Angeles River to the southeast and Los Virgenes Creek to the south. The Chatsworth Reservoir is located approximately 10 miles east of the Property (California Regional Water Quality Control Board [CRWQCB], 1994). An unnamed stream drains north to the Runkle Reservoir, which is located on the northern portion of the Property and was observed to be dry during the site reconnaissance.

There are two distinct groundwater systems in the vicinity of the Property. The Shallow Zone groundwater is laterally discontinuous, and is found within the alluvial deposits along drainages and valley floors. Depth to water in the Shallow Zone has ranged from land surface (artesian conditions) to greater than 30 feet below ground surface (bgs). A deeper, regional groundwater zone is present within the fractures of the Chatsworth Formation bedrock, which is the principal water-bearing system in the area. In the deeper regional groundwater zone within the Chatsworth Formation, groundwater has been measured at depths ranging from ground surface (artesian conditions) to approximately 567 feet bgs (Groundwater Resources Consultants, Inc. [GRC], 2000).

The groundwater flow direction in the Chatsworth Formation at the eastern boundary of the Property is to the north-northwest (GRC, 2000). Due to the complex nature of the hydrogeologic setting, the groundwater flow direction and gradient is highly variable on different portions of the Property, so no general regional gradient could be determined.

There are no known municipal supply wells within two miles of the Runkle Canyon Property (Environmental Data Resources, Inc. [EDR], 2000).

4.0 SITE INVESTIGATION CONDUCTED ON SSFL AND SURROUNDING AREA

The SSFL is jointly owned by Boeing and the National Aeronautics and Space Administration (NASA) and is operated by Boeing. The SSFL is located in the southeast corner of Ventura County, just south of the City of Simi Valley and is approximately 1.5 miles southeast of Runkle Canyon (Figure 2). The primary site activities at the SSFL since 1948 have included research, development, and testing of liquid-propelled rocket engines and associated components (SAIC, 1994). Site characterization for perchlorate has been conducted at the SSFL in soil, sediment, and groundwater since 1997, and surface water since 1998. These investigations have included samples collected from within the SSFL and in offsite areas surrounding the SSFL. During these programs, over 1,600 samples have been collected and analyzed for the presence of perchlorate at and near the SSFL. Perchlorate has been detected in about 300 of these samples. Detectable amounts of perchlorate occur in isolated areas throughout the SSFL. Perchlorate has been detected at a number of locations in shallow groundwater throughout the Simi Valley. These detections are indicative of a widely dispersed source, and the low concentrations are likely

remnants from historical releases that may have occurred decades ago and/or recent local releases of only a few grams of perchlorate (MWH, 2003).

The DTSC conducted a series of soil sampling activities in Runkle Canyon from May 2002 to August 2002. A total of six water samples were collected and analyzed from locations Runkle 1, 4, and 6 (Plate 4-8). All samples showed non-detectable concentrations of perchlorate. NPDES water samples were collected from 1998 to December 2002. A total of seven outfall samples were collected and analyzed from locations 001-007 (Plate 4-9). Samples 002 through 005 and 007 produced non-detectable concentrations of perchlorate. Sample 006 had a detectable concentration of perchlorate at 4.26 ppb, which is below the levels of concentration found in Colorado River water (4 to 16 ppb). Spring and seep samples were also collected at the SSFL and surrounding properties from June 2002 to July 2002. A total of twelve water samples have been collected and analyzed (Plate 4-10). All spring and seep samples produced non-detectable concentrations of perchlorate. Plate 4-11 shows the occurrence and distribution of perchlorate in wells and springs/seeps at and near the SSFL (MWH, 2003).

Ahmanson Ranch is located approximately 3.1 miles southeast of Runkle Canyon and 3 miles south of the SSFL sample locations where perchlorate has been detected. Well MW-1, located on the Ahmanson Ranch Property, was drilled in 1967 to a total depth of 1,945 feet bgs. In July and August of 2002, Well MW-1 was sampled for perchlorate by the County of Ventura and their consultant (Rincon). Perchlorate was detected at a concentration of 28 micrograms per liter (μg/L) in the 500-foot sample from Well MW-1 (MWH, 2003). No similar concentrations have been found in testing sites proximate to the Runkle Canyon Property.

The SSFL facility conducts comprehensive environmental programs under the oversight of several regulatory agencies, including the DTSC and the EPA. Some of the environmental programs at the site are being conducted under the authority of the Federal Resource Conservation and Recovery Act (RCRA). Programs include corrective action, site investigation, permitting and compliance, continuing groundwater monitoring and remediation, and closure of non-active RCRA Units. The only remaining nuclear-related activity at the SSFL is decontamination and decommissioning of former nuclear facilities (MWH, 2003).

5.0 ONSITE SURFACE WATER AND GROUNDWATER SAMPLING

Property assessment activities were conducted on the Property to obtain data in order to determine if detectable concentrations of perchlorate and/or other organic and inorganic chemicals are present in surface and groundwater at the Property. The assessment activities on the Property included the drilling and sampling of seven soil borings, sampling of asphaltic material, and the collection of 11 samples from surface water and from groundwater encountered in soil borings.

On October 24, 2002, one surface sample of asphaltic material identified during Property reconnaissance and one surface water sample was collected on the Property for laboratory analysis (Figure 2). The asphaltic material sample was analyzed for constituents consistent with the industry standard for an analytical screen performed to determine the presence of hazardous chemicals. In addition, a leachate analysis was performed to determine if the sample contained soluble or leachable constituents. The surface water sample was collected and analyzed for total petroleum hydrocarbons–extractable, (TPH-E) by EPA Method 8015M, total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1, Oil and Grease (O&G) by EPA Method 413.2, and VOCs by EPA Method 8260B. The water sample was analyzed for hydrocarbons because of the sheen on the water and proximity to the asphaltic material. For additional

information of the groundwater sampling event, please refer to the Miller Brooks report entitled *Report for Asphaltic Material and Surface Water Sampling and Analysis Program on the 550-Acre Parcel Within the Runkle Canyon Property Located South of Simi Valley, in Ventura County, California* dated May 21, 2003. Results of the laboratory analysis of the asphaltic material and surface water samples are presented in Table 1. A description of general field procedures utilized is included in Appendix A and the laboratory reports and chain of custody documents are included in Appendix B.

On January 8 and 9, 2003, Miller Brooks (with Seward Engineering) supervised the advancement of seven soil borings (HS-25 through HS-31; Figure 2) to approximate total depths ranging from 15 feet to 66.5 feet bgs. The borings were drilled using a hollow-stem auger drill rig with a split-spoon sampler. Groundwater was encountered in three of the borings (HS-25, HS-26, and HS-29). Groundwater samples were collected from these borings for analysis for perchlorate using EPA Method 314. The samples were collected from water within the auger of the drilling rig, and the water had a high silt content. Results of the laboratory analysis of groundwater/silt samples are presented in Table 2. A description of general field procedures utilized is included in Appendix A and the laboratory reports and chain of custody documents are included in Appendix B. For additional information on the investigation please refer to the Miller Brooks report entitled *550-Acre Eastern Portion of Runkle Canyon Property Ventura County, California* dated May 8, 2003.

On February 5, 2003, one groundwater sample was collected from a groundwater monitoring well previously installed at the Property (observed during site reconnaissance activities; see Figure 2). One groundwater sample (Well-1) was collected for analysis for TPH-E and TPH-volatile (TPH-V) using EPA Method 8015M, VOCs using EPA Method 8260B, and perchlorate using EPA Method 314. Results of the laboratory analysis of the groundwater sample are presented in Tables 1 and 2. A description of general field procedures utilized is included in Appendix A and the laboratory reports and chain of custody documents are included in Appendix B. For additional information on this sampling event please refer to the Miller Brooks report entitled *550-Acre Eastern Portion of Runkle Canyon Property Ventura County, California* dated May 8, 2003.

On March 14, 2003, surface water and soil from the creek in Runkle Canyon was sampled at three locations Creek-1 through Creek-3 (Figure 2). In addition, one water sample (Windmill-1 was collected from an aboveground tank, which stored groundwater pumped from a windmill on the southern portion of the Property. The samples were analyzed for perchlorate using the EPA Method 314. Results of the laboratory analysis of the water samples are presented in Table 2. A description of general field procedures utilized is included in Appendix A and the laboratory reports and chain of custody documents are included in Appendix B.

On May 1, 2003, personnel from Miller Brooks met with the onsite cattle rancher to locate areas where artesian springs were present and collected three water samples (Spring-1 through Spring-3; Figure 2). The samples were analyzed for perchlorate using EPA Method 314. Results of the laboratory analysis of the water samples are presented in Table 2. A description of general field procedures utilized is included in Appendix A and the laboratory reports and chain of custody documents are included in Appendix B.

6.0 FINDINGS

Groundwater was encountered during the investigation at depths ranging from approximately 20 feet to 56 feet bgs in the soil borings and the groundwater well.

Laboratory analysis of silt/groundwater samples collected during this investigation revealed the following:

- No detectable concentrations of TPH-E, TPH-V, TRPH, O&G, or VOCs were found in the water samples analyzed for these compounds (Samples RR-Swater-1 and Well-1).

- Laboratory analysis of the asphaltic material showed concentrations of 32,000 milligrams per kilogram (mg/kg) TPH-E, 6,200 mg/kg TRPH, and 9,700 mg/kg O&G. When analyzed using the waste extraction test; the leachate showed a concentration of 8.8 µg/L TPH-E, 0.066 µg/L benzo(b)fluoranthene, and 0.15 ug/L phenanthrene. All Title 22 metals concentrations were below state and federal regulatory limits (see Table 1). No VOCs or PCBs were detected in the sample.

- No concentrations of perchlorate were detected in any of the water samples analyzed. Perchlorate was only detected in two groundwater/silt samples collected from Borings HS-25 and HS-26 (samples HS-25-56' and HS-26-37'). The concentrations detected were at 0.06 milligrams per kilogram (mg/kg) and 0.05 mg/kg, respectively. These levels range from 130 to 156 times below the EPA's PRGs for perchlorate in residential soil (7.8 mg/kg).

7.0 CONCLUSIONS

During this investigation, no concentrations of petroleum hydrocarbons or VOCs were detected in the surface water or groundwater. No concentrations of perchlorate were detected in surface water samples collected at the Property, or in the groundwater sample collected from the groundwater monitoring well at the Property (Well-1). In addition, soil samples, surface water samples from springs and seeps, and NPDES discharge samples collected by the DTSC and Boeing at or near the Runkle Canyon Property as part of the SSFL sampling programs show no detectable concentrations of perchlorate. Perchlorate was only detected in two groundwater/silt samples collected at depths greater than 35 feet bgs.

The two onsite silt sample results for perchlorate range between 130 to 156 times less than the EPA PRG for perchlorate in residential soil (7.8 mg/kg; Figure 3). Human exposure to perchlorate is most likely to occur through consuming water containing perchlorate (Los Angeles Regional Water Quality Control Board, 2003). Groundwater beneath the Property will not be used for irrigation or domestic water use purposes. Irrigation and domestic water will be provided by Southern California Water Company.

Based on the depth to the two silt samples impacted with perchlorate, the low levels of perchlorate detected in those samples, the non-detectable levels found in the other samples collected, and the lack of exposure pathways, there is no indication that activities at the Property surface will be impacted by perchlorate.

8.0 REFERENCES

Cain, S., 2003, Perchlorate Concentrations in Simi Valley, Phone Conversation with E. Robbins, August 27.

California Division of Mines and Geology, 1984, Geology of the Calabasas-Agoura-Eastern Thousand Oaks Area, Los Angeles and Ventura Counties, California, Open File Report 84-1.

California Regional Water Quality Control Board, 1994, Water Quality Control Plan, Los Angeles Region, June 1994.

County of Ventura, 2000, Closure of the Former Southern Pacific Milling Company Mine at Runkle Ranch, Simi Valley, CUP 2336; Assessor's Parcel Nos. 685-040-04, 685-0-130-03 and 695-0-130-04, September.

Department of Environmental Health and Safety, 2003, Perchlorate in California Drinking Water: Status of Regulations and Monitoring Results, August 21.

Environmental Data Resources, 2000, The EDR-Radius Map with Geocheck, GreenPark Ranch, Simi Valley, California, August 2000.

Environmental Protection Agency, 1999, Region 9 Perchlorate Update, June 1999.

Environmental Protection Agency, 2003, Perchlorate and Surface/ Groundwater Pollution in Simi Valley, Los Angeles Water Quality Control Board, February 2003.

Groundwater Resources Consultants, Inc., 2000, Annual Groundwater Monitoring Report Santa Susana Field Laboratory, 1999, February 2000.

Los Angeles Regional Water Quality Control Board, 2003, Fact Sheet: Perchlorate and Surface/Ground Water Pollution in Simi Valley, February.

Miller Brooks Environmental, Inc., 2003, Report for Asphaltic Material and Surface Water Sampling and Analysis Program on the 550-Acre Parcel Within the Runkle Canyon Property Located South of Simi Valley, in Ventura County California, May 21.

Miller Brooks Environmental, Inc., 2003, 550-Acre Eastern Portion of Runkle Canyon Property Ventura County, California, May 8.

Montgomery Watson Harza, 2003, Perchlorate Source Evaluation and Technical Report, Santa Susana Field Laboratory, Ventura County, California, Volume 1, February 2003.

Robles, H., 2003, Perchlorate PRG Review; Email to E. Robbins, August 27.

Science Applications International Corporation, 1994, Final RCRA Facility Assessment Report for Rockwell International Corporation Rocketdyne Division, Santa Susana Field Laboratory, Ventura County, California. May.

United States Geological Survey, 1952, Calabassas Quadrangle, 7.5 Minute Topographic Series, Scale 1:24,000, Photorevised 1967.

Tables

TABLE 1
RESULTS OF ORGANIC ANALYSES OF WATER SAMPLES
Runkle Canyon
Simi Valley, California

Sample ID	Date Sampled	EPA Methods and Analytes (Results in µg/L)				
		TPH-E	TPH-V	VOCs*	TRPH	O & G
		8015M	8015M	8260B	418.1	413.2
RR-Swater-1	10/24/02	ND<500	--	ND<500-20,000	ND<500	ND<500
Well-1	2/5/03	ND<500	ND<50	ND<0.5-200	--	--

Notes:

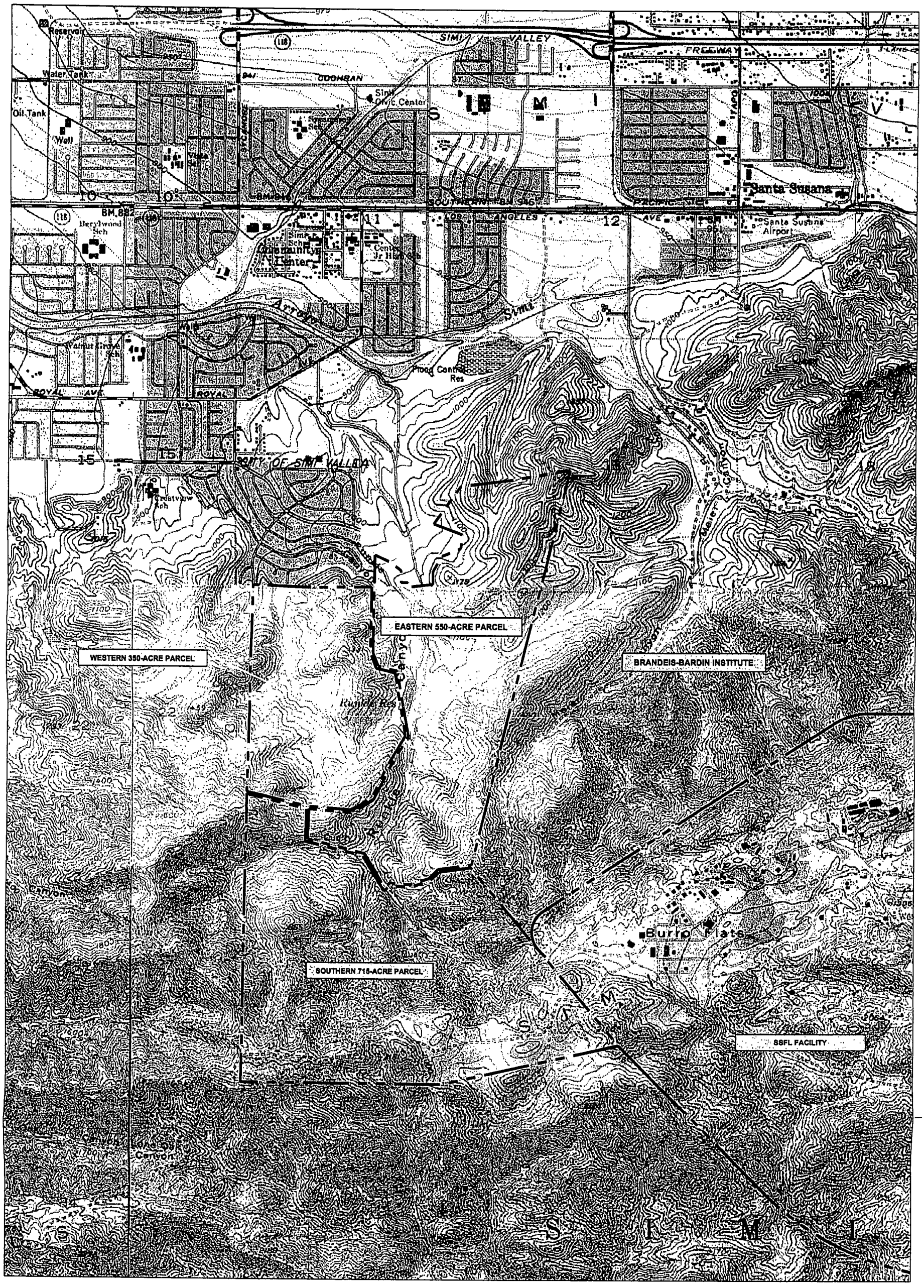
EPA - Environmental Protection Agency
µg/L - micrograms per liter
TPH-E - total petroleum hydrocarbons-extractable
TPH -V - total petroleum hydrocarbons-volatile
VOCs - volatile organic compounds
TRPH - total recoverable petroleum hydrocarbons
O&G - oil and gas
* - see official laboratory reports for complete list of analytes
ND - not detected at or above the reporting limit
-- - not analyzed

TABLE 2
RESULTS OF PERCHLORATE ANALYSIS OF SOIL AND WATER SAMPLES
Runkle Canyon
Simi Valley, California

Water Sample ID	Date	Result (in µg/L)
Well-1	2/5/03	ND<4
Creek-1 Water	3/14/03	ND<4
Creek-2 Water	3/14/03	ND<4
Creek-3 Water	3/14/03	ND<4
Spring - 1	5/1/03	ND<4
Spring - 2	5/1/03	ND<4
Spring - 3	5/1/03	ND<4
Trip Blank	5/1/03	ND<4
Windmill-1 Water	3/14/03	ND<4
Soil Sample ID	**Date**	**Result (in mg/kg)**
HS-25-56'	1/8/03	0.06
HS-26-37'	1/8/03	0.05
HS-29-Water	1/9/03	ND<0.02
Creek-1 Soil	3/14/03	ND<0.040
Creek-2 Soil	3/14/03	ND<0.040
Creek-3 Soil	3/14/03	ND<0.040

Perchlorate was analyzed using EPA Method 314
µg/L = micrograms per liter
ND = not detected at limit indicated on official laboratory report
mg/kg = milligrams per kilogram

Figures



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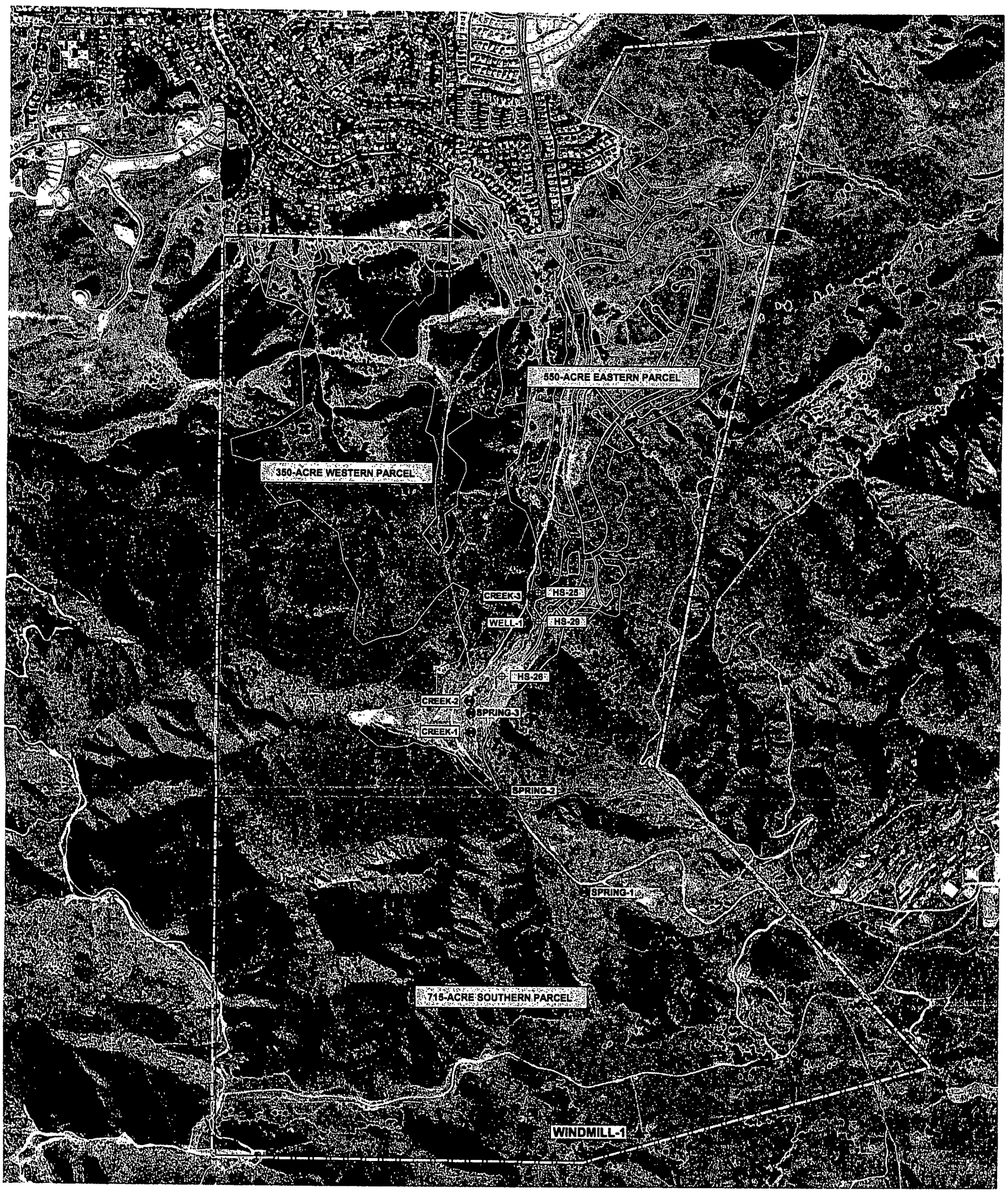
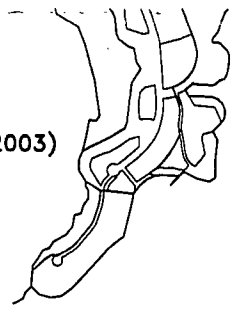
MILLER BROOKS Environmental, Inc.	DRAWN BY: PEL	VICINITY MAP	FIGURE 1
	DATE: 11/21/02		
	REVISED BY: DCN		
2124 MAIN STREET, SUITE 200 HUNTINGTON BEACH, CA. 92648 (714) 960-4088	REVISED: 08/28/03	RUNKLE CANYON PROPERTY SIMI VALLEY, CA.	
	APPROVED BY: EAR		
PROJECT NO. 01-406-0002-02	DATE: 08/28/03	FILE: K:\DWGS\RUNKLE RANCH\VICINITY MAP [F1C] DATE PLOTTED: 08/28/03	

tb-b2.dwg-09/21/00



LEGEND

WELL-1	FORMER GROUNDWATER MONITORING WELL
CREEK-3	SURFACE WATER SAMPLE LOCATION (MARCH 2003)
HS-29	SOIL BORING LOCATION WITH GROUNDWATER SAMPLE (JANUARY 2003)
WINDMILL-1	WATER SAMPLE FROM WINDMILL STORAGE TANK
SPRING-1	SURFACE WATER SAMPLE LOCATION (MAY 2003)
	PARCEL BOUNDARY
	PROPERTY BOUNDARY



PROPOSED DEVELOPMENT

N
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0 1200 FEET
SCALE

MILLER BROOKS Environmental, Inc.

2124 MAIN STREET, SUITE 200
HUNTINGTON BEACH, CA. 92648
(714) 960-4088

PROJECT NO. 01-402-0002-03

DRAWN BY: AIL
DATE: 06/05/03
REVISED BY: AIL
REVISED: 06/05/03
APPROVED BY: EAR
DATE: 06/05/03

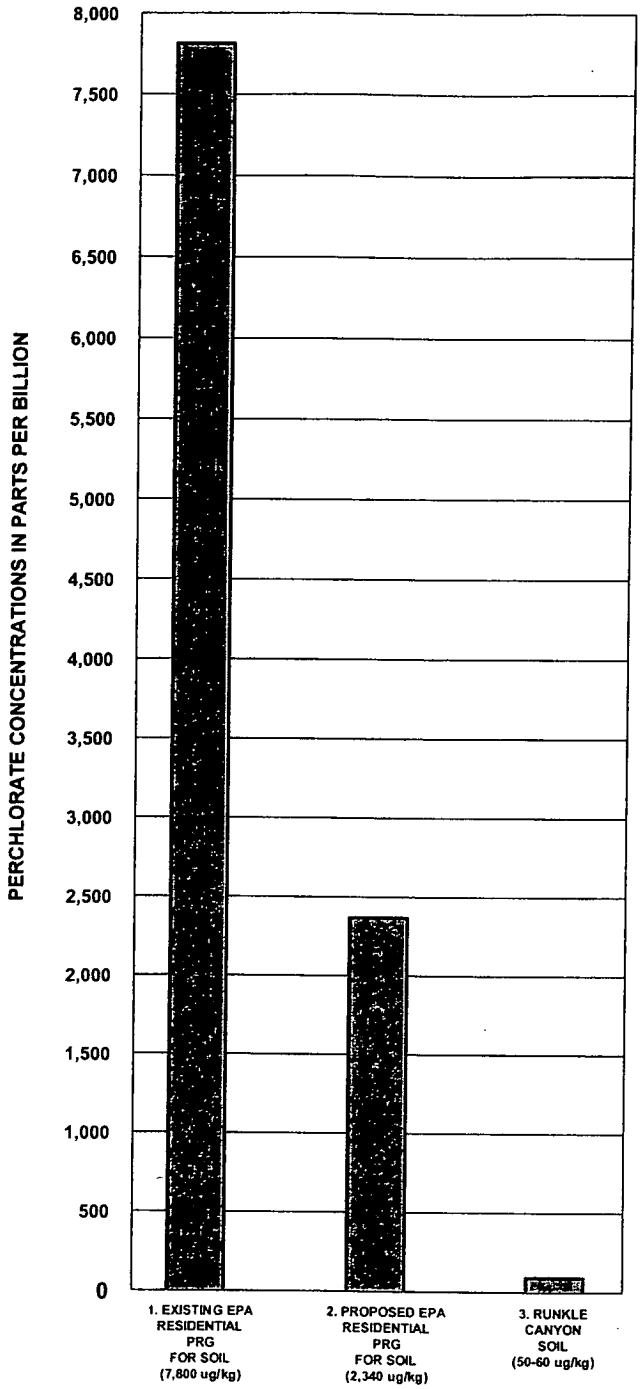
SITE PLAN SHOWING SURFACE WATER AND GROUNDWATER SAMPLE LOCATIONS

RUNKLE CANYON PROPERTY
SIMI VALLEY, CA.

FIGURE 2

FILE: K:\DWGS\RUNKLE CANYON\SAR\SP_11x17

DATE PLOTTED: 06/05/03



EXISTING/PROPOSED STANDARDS AND CONCENTRATIONS OF PERCHLORATE IN PARTS PER BILLIION

NOTE:

1) PRG – PRELIMINARY REMEDIATION GOAL
2) ug/kg MICROGRAMS PER KILOGRAM

REFERENCES

1. ENVIRONMENTAL PROTECTION AGENCY (EPA), 2002
2. ROBLES, H, 2003
3. MILLER BROOKS ENVIRONMENTAL, INC, 2003

MILLER BROOKS Environmental, Inc.	DRAWN BY: DCN DATE: 09/12/03 REVISED BY: PEL	GRAPHIC COMPARISION OF PERCHLORATE CONCENTRATIONS IN SOIL	FIGURE 3
2124 MAIN STREET, SUITE 200 HUNTINGTON BEACH, CA. 92648 (714) 960-4088	REVISED: 09/16/03 APPROVED BY: EAR	RUNKLE CANYON PROPERTY SIMI VALLEY, CA.	
PROJECT NO. 01-402-0002-02	DATE: 09/16/03	FILE: K:\DWGS\ RUNKLE CANYON\SAR\PERC COMPARISION	

Plates

Santa Susana Field Laboratory

PLATE 4-8

MWH MONTGOMERY WATSON HARZA

NORTHERN OFFSITE SOIL PERCHLORATE SAMPLING RESULTS

LEGEND

- RFI SOIL MATRIX SAMPLE LOCATION (1996 - 2001)
- RFI CONTAINED UNIT SEDIMENT SAMPLE LOCATION (1996 - 2001)
- RFI CONTAINED UNIT SUMP SAMPLE LOCATION (1996 - 2001)
- RFI SURFACE WATER
- SURFACE WATER FLOW (FROM SITES OF INTEREST FOR THIS REPORT)
- NPDES LOCATION
- NATURAL DRAINAGE
- SURFACE WATER DIVIDE (APPROXIMATE)
- SURFACE WATER PONDS

Meier-3	Sample Location ID
01,S02,etc	Sample Number
D01,D02,etc	Duplicate Number
D##.#	Depth In Feet
R####	Laboratory Reporting Code (EPA ID)
mg/l	Milligrams Per Liter (ppm)
mg/kg	Milligrams Per Kilogram (ppm)
U	Analyte Not Detected; Associated Numerical Value Is The Detection Limit
•	Data Validation Not Performed

Notes:
1. RFI site boundaries included for those sites which have had RFI perchlorate soil or surface water sampling performed.

Map Legend

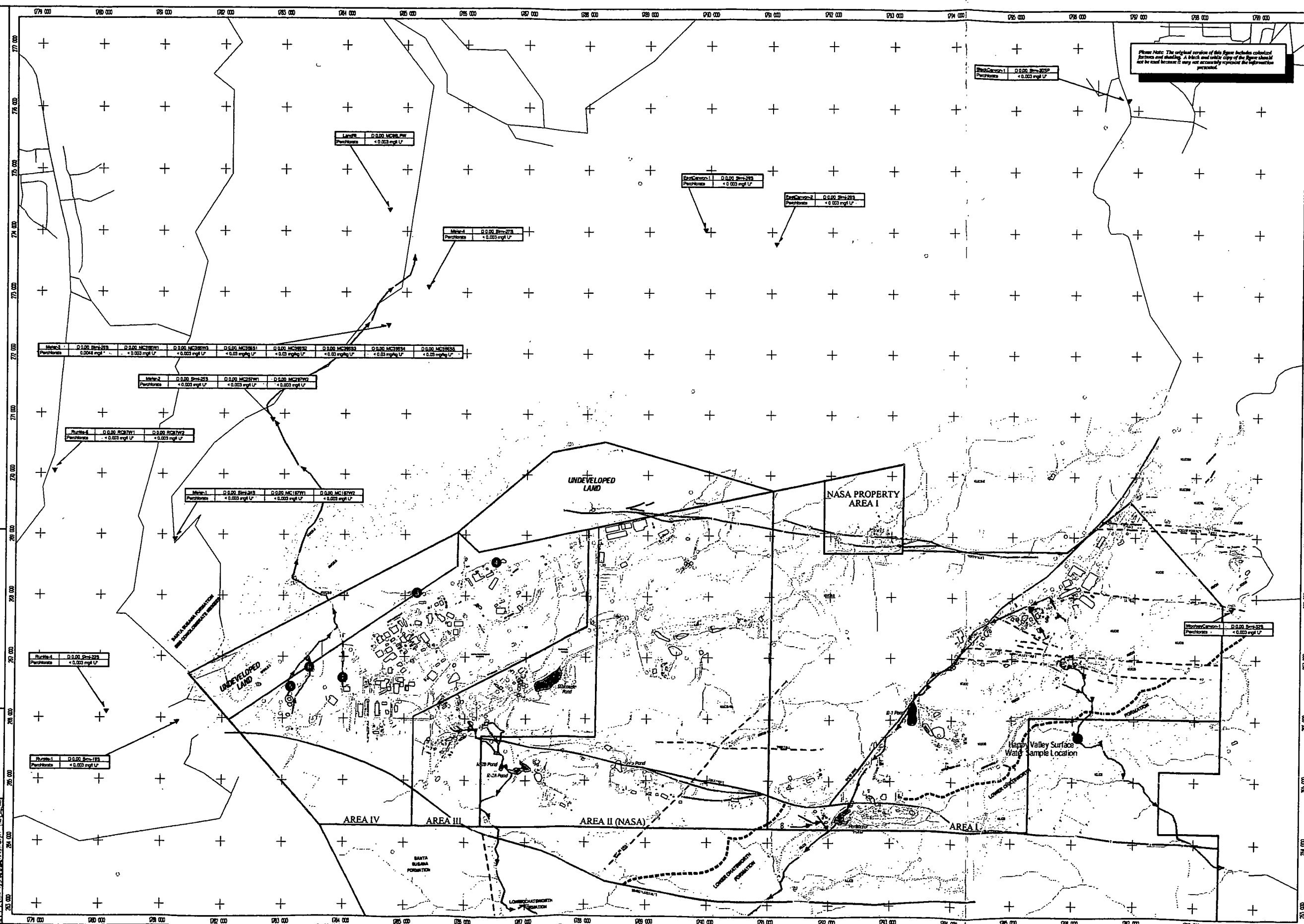
- Existing Building or Structure
- Removed Building or Structure
- Solvent Tanks, R Indicates Removed
- Petroleum Fuel/Oil Tanks, R Indicates Removed
- Hydrazine (MMH,UDMH,HZ) Tanks, R Indicates Removed
- Other Tanks, R Indicates Removed
- Awnings
- SWMU Boundary (If available)
- Monitoring Well
- Administrative Area Boundary
- Ground Elevation Contours
- A/C Curbing
- Dirt Road
- Possible Ponds (approx. location)
- Ponds
- Creeks
- Shale Units
- Faults
- Faults (Approximate)
- Estimated Contact Line

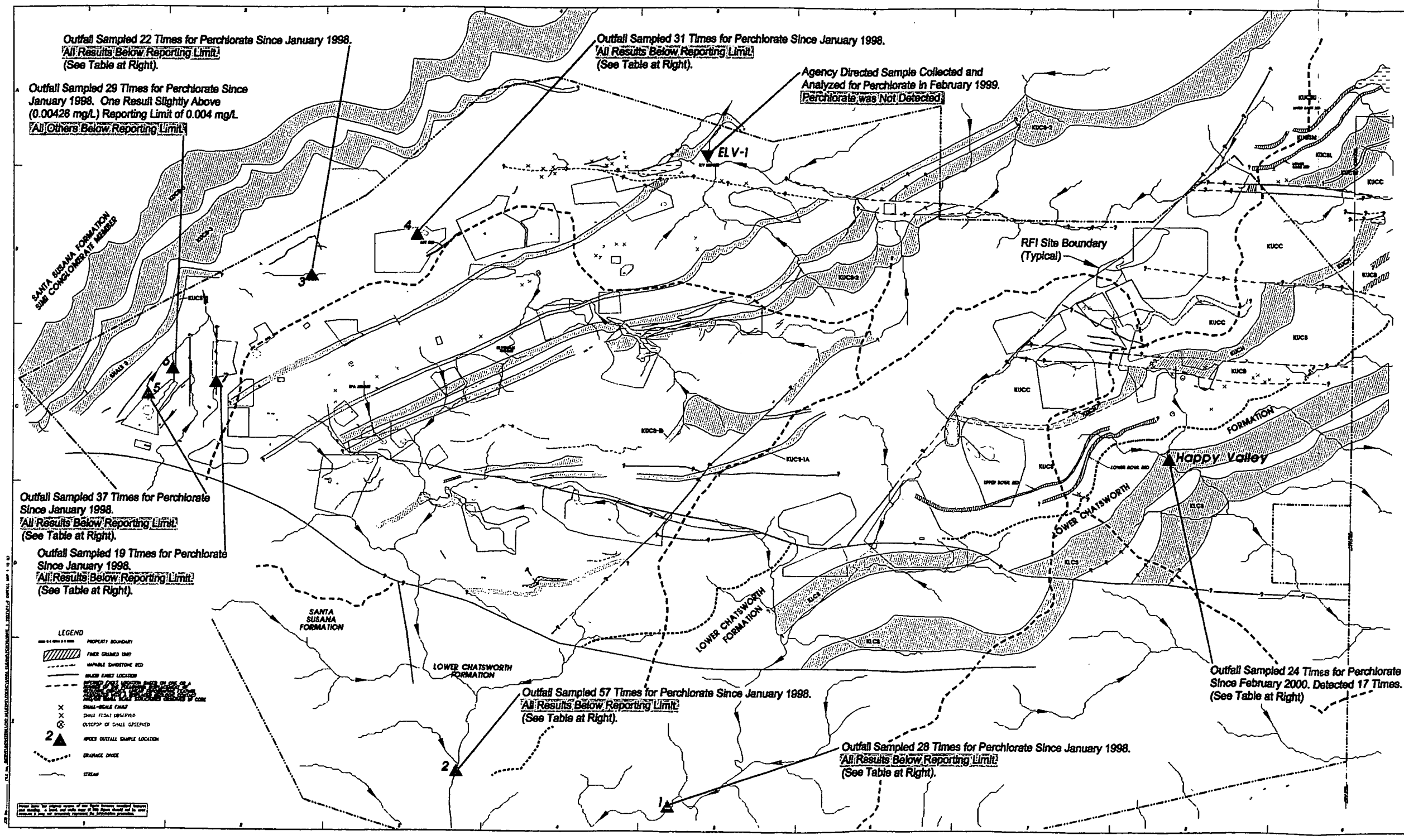
Date: 02/01/03

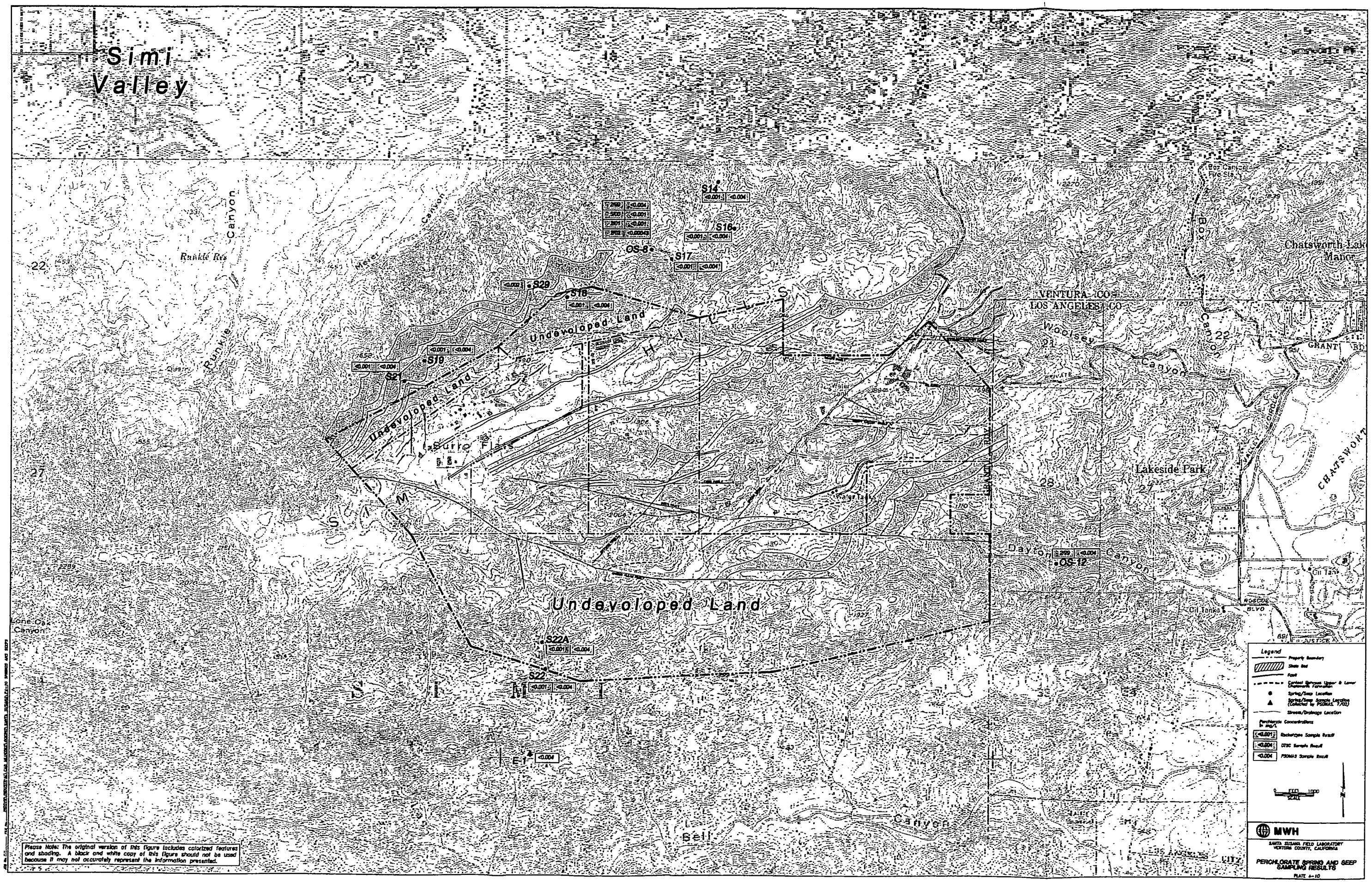
y:\rap\rock\maps\figures\zs800616, Task 101

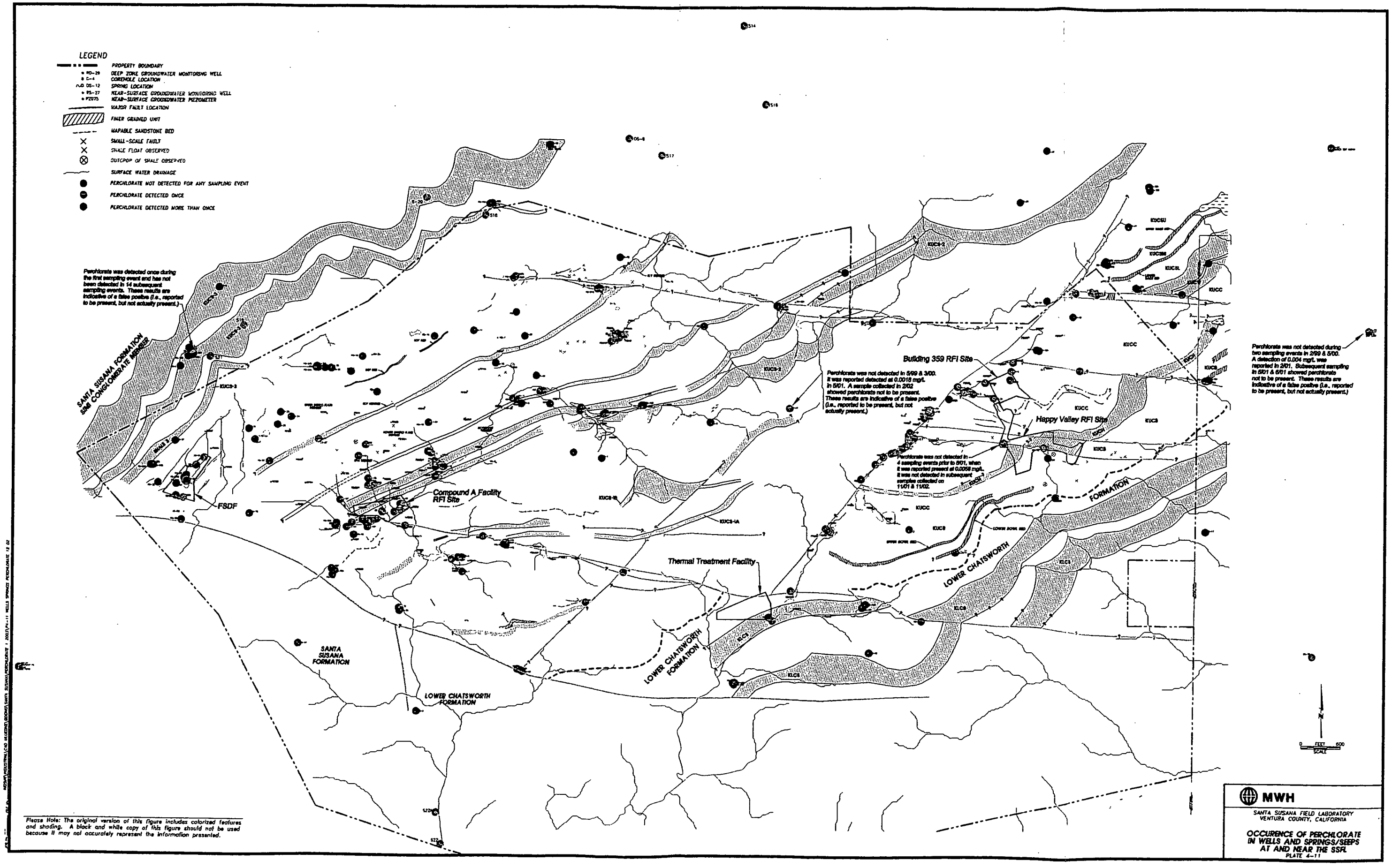
FEET
0 325 650 1300 1950 2600
1 inch = 650 feet

Key Map




Outfall Sampled 22 Times for Perchlorate Since January 1998.
All Results Below Reporting Limit.
(See Table at Right).
Outfall Sampled 29 Times for Perchlorate Since January 1998. One Result Slightly Above (0.00426 mg/L) Reporting Limit of 0.004 mg/L
All Others Below Reporting Limit.
Outfall Sampled 31 Times for Perchlorate Since January 1998.
All Results Below Reporting Limit.
(See Table at Right).
Agency Directed Sample Collected and Analyzed for Perchlorate in February 1999.
Perchlorate was Not Detected.
ELV-1
RFI Site Boundary (Typical)
Happy Valley
Outfall Sampled 37 Times for Perchlorate Since January 1998.
All Results Below Reporting Limit.
(See Table at Right).
Outfall Sampled 19 Times for Perchlorate Since January 1998.
All Results Below Reporting Limit.
(See Table at Right).
Outfall Sampled 57 Times for Perchlorate Since January 1998.
All Results Below Reporting Limit.
(See Table at Right).
Outfall Sampled 28 Times for Perchlorate Since January 1998.
All Results Below Reporting Limit.
(See Table at Right).
Outfall Sampled 24 Times for Perchlorate Since February 2000. Detected 17 Times.
(See Table at Right)
SANTA SUSANA FORMATION SMB CONGLOMERATE MEMBER
SANTA SUSANA FORMATION
LOWER CHATSWORTH FORMATION
LOWER CHATSWORTH FORMATION
KUCC
KUCB
KUCB-IA
KUCB-B
KUCN
KUCSL
KUCS
KLCS
LOWER BOWL RD
UPPER BOWL RD
LEGEND
PROPERTY BOUNDARY
FINER GRAINED UNIT
VARIABLE SANDSTONE BED
SMALL-SCALE FAULT
OUTCROP OF SMALL OBSERVED
NPDES OUTFALL SAMPLE LOCATION
DRAINAGE DITCH
STREAM
FEET
SCALE
MWH
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
PERCHLORATE NPDES OUTFALL SURFACE WATER SAMPLING RESULTS
PLATE 4-9


Simi Valley
Runkle Canyon
Runkle Res
Meier Canyon
Undeveloped Land
Santa Susana Pass
Lone Oak Canyon
Bell Canyon
Woolsey Canyon
Dayton Canyon
Box Canyon
Chatsworth Lake
Manor
Lakeside Park
CHATSWORTH
VENTURA CO
LOS ANGELES CO
GRANT BD
ROSCOE BLVD
Oil Tanks
S14
S16
OS-6
S17
S29
S18
S19
S21
S22A
S22
E-1
OS-12
Legend
Property Boundary
State Bed
Fault
Contact Between Upper & Lower Chatsworth Formation
Spring/Seep Location
Stream/Drainage Location
Perchlorate Concentrations in mg/L
Rocketdyne Sample Result
GTSC Sample Result
PSOMAS Sample Result
MWH
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
PERCHLORATE SPRING AND SEEP SAMPLING RESULTS
PLATE 6-10
Please Note: The original version of this figure includes colorized features and shading. A black and white copy of this figure should not be used because it may not accurately represent the information presented.


LEGEND
PROPERTY BOUNDARY
DEEP ZONE GROUNDWATER MONITORING WELL
COREHOLE LOCATION
SPRING LOCATION
NEAR-SURFACE GROUNDWATER MONITORING WELL
NEAR-SURFACE GROUNDWATER PIEZOMETER
MAJOR FAULT LOCATION
FINER GRAINED UNIT
MAPABLE SANDSTONE BED
SMALL-SCALE FAULT
SHALE FLOAT OBSERVED
OUTCROP OF SHALE OBSERVED
SURFACE WATER DRAINAGE
PERCHLORATE NOT DETECTED FOR ANY SAMPLING EVENT
PERCHLORATE DETECTED ONCE
PERCHLORATE DETECTED MORE THAN ONCE
Perchlorate was detected once during the first sampling event and has not been detected in 14 subsequent sampling events. These results are indicative of a false positive (i.e., reported to be present, but not actually present.)
SANTA SUSANA FORMATION SIMI CONGLOMERATE MEMBER
FSDF
Compound A Facility RFI Site
Thermal Treatment Facility
Building 359 RFI Site
Happy Valley RFI Site
Perchlorate was not detected in 5/99 & 3/00. It was reported detected at 0.0018 mg/L in 5/01. A sample collected in 2/02 showed perchlorate not to be present. These results are indicative of a false positive (i.e., reported to be present, but not actually present.)
Perchlorate was not detected in 4 sampling events prior to 9/01, when it was reported present at 0.0058 mg/L. It was not detected in subsequent samples collected on 11/01 & 11/02.
Perchlorate was not detected during two sampling events in 2/99 & 5/00. A detection of 0.004 mg/L was reported in 2/01. Subsequent sampling in 5/01 & 6/01 showed perchlorate not to be present. These results are indicative of a false positive (i.e., reported to be present, but not actually present.)
SANTA SUSANA FORMATION
LOWER CHATSWORTH FORMATION
LOWER CHATSWORTH FORMATION
KUCSU
KUCSM
KUCSL
KUCC
KUCS
KUCS-2
KUCS-3
KUCS-1B
KUCS-1A
KLCS
SCS
N
0 FEET 600
SCALE
Please Note: The original version of this figure includes colorized features and shading. A black and white copy of this figure should not be used because it may not accurately represent the information presented.
MWH
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
OCCURENCE OF PERCHLORATE IN WELLS AND SPRINGS/SEEPS AT AND NEAR THE SSFL
PLATE 4-11

Appendix A

APPENDIX A

GENERAL FIELD PROCEDURES

FLUID-LEVEL MONITORING IN GROUNDWATER MONITORING WELLS

Fluid levels are monitored in the well using an electronic water level sensor. The depth to water is measured relative to the top of casing.

GROUNDWATER WELL PURGING AND SAMPLING

Groundwater monitoring wells are purged and sampled in accordance with standard regulatory protocol. During purging activities, temperature, pH, and specific conductance are typically measured. Purging is considered complete when these parameters vary less than 10 percent from previous readings, or when four casing volumes of fluid have been removed. Samples are collected without further purging if the well does not recharge within 2 hours to 80 percent of its volume before purging.

SURFACE WATER SAMPLES

Surface water samples are collected by decanting the water into the sample container specified by the selected analytical method. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Samples are labeled with the project number, well number, sample date, and sampler's initials. Samples are chilled at approximately 4 degrees Celsius prior to analysis by a state-certified laboratory.

CHAIN OF CUSTODY PROTOCOL

Chain of custody protocol is followed for all soil samples selected for laboratory analysis. The chain of custody form accompanies the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis.

DECONTAMINATION

Drilling equipment is decontaminated by steam cleaning before being brought onsite. Prior to use, the sampler and sampling tubes are brush-scrubbed in a Liqui-nox and potable water solution, and rinsed twice in clean potable water. Sampling equipment and tubes are also decontaminated before each sample is collected to avoid cross-contamination between borings. Groundwater purging and sampling equipment that could come into contact with well fluids is either dedicated to a well or cleaned prior to each use in a Liqui-nox solution followed by two tap water rinses.

Appendix B

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

Laboratory Certification (ELAP) No.: 1416 Expiration Date: 2003

Laboratory Director's Name (Print) : Mark Noorani

Client: Miller Brooks Environmental

Project No.: 402-0002-02

Project Name: Runkle Ranch

Laboratory Reference: MBE 13936

Analytical Method: 8015d, 8015g, 8260, 8270, 6010, 7471, 7196, PCB's

Date Sampled: 01/07-08-09/03
Date Received: 01/09/03
Date Reported: 01/17/03

Sample Matrix: Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

This report should only be reproduced in full. Any partial reproduction of this report requires written permission from Orange Coast Analytical, Inc.

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	—	01/07/03	01/07/03	01/07/03
Received:	—	01/09/03	01/09/03	01/09/03
Extracted:	01/10/03	01/10/03	01/10/03	01/10/03
Analyzed:	01/10/03	01/10/03	01/10/03	01/10/03
Reported:	01/17/03	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	MB0110	03010008	03010009	03010010
Client Sample I.D.:	—	Surface-1	Surface-2	Surface-3
Dilution Factor:	1	1	1	1

EXTRACTABLE FUEL HYDROCARBONS - DIESEL (EPA 8015m)

	SAMPLE RESULTS			
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
Extractable Fuel Hydrocarbons*	<8.0	11	22	23

* Extractable Fuel Hydrocarbons are quantitated against a diesel standard. Hydrocarbons detected by this method range from C7 - C32.

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/08/03	01/08/03	01/08/03
Received:	01/09/03	01/09/03	01/09/03
Extracted:	01/10/03	01/10/03	01/10/03
Analyzed:	01/10/03	01/10/03	01/10/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	03010011	03010012	03010013
Client Sample I.D.:	HS-25-5'	HS-25-10'	HS-25-20'
Dilution Factor:	1	1	1

EXTRACTABLE FUEL HYDROCARBONS - DIESEL (EPA 8015m)

	SAMPLE RESULTS		
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*
Extractable Fuel Hydrocarbons*	<8.0	<8.0	<8.0

* Extractable Fuel Hydrocarbons are quantitated against a diesel standard. Hydrocarbons detected by this method range from C7 - C32.

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/08/03	01/08/03	01/08/03
Received:	01/09/03	01/09/03	01/09/03
Extracted:	01/10/03	01/10/03	01/10/03
Analyzed:	01/10/03	01/10/03	01/10/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	03010015	03010016	03010017
Client Sample I.D.:	HS-26-5'	HS-26-10'	HS-26-30'
Dilution Factor:	1	1	1

EXTRACTABLE FUEL HYDROCARBONS - DIESEL (EPA 8015m)

	SAMPLE RESULTS		
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*
Extractable Fuel Hydrocarbons*	14	54	<8.0

* Extractable Fuel Hydrocarbons are quantitated against a diesel standard. Hydrocarbons detected by this method range from C7 - C32.

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/08/03	01/08/03	01/08/03
Received:	01/09/03	01/09/03	01/09/03
Extracted:	01/10/03	01/10/03	01/10/03
Analyzed:	01/10/03	01/10/03	01/10/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	03010019	03010020	03010021
Client Sample I.D.:	HS-27-5'	HS-27-10'	HS-27-15'
Dilution Factor:	1	1	1

EXTRACTABLE FUEL HYDROCARBONS - DIESEL (EPA 8015m)

	SAMPLE RESULTS		
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*
Extractable Fuel Hydrocarbons*	<8.0	<8.0	<8.0

* Extractable Fuel Hydrocarbons are quantitated against a diesel standard. Hydrocarbons detected by this method range from C7 - C32.

INIT

Orange Coast Analytical, Inc.

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/09/03	01/09/03	01/09/03	01/09/03
Received:	01/09/03	01/09/03	01/09/03	01/09/03
Extracted:	01/10/03	01/10/03	01/10/03	01/10/03
Analyzed:	01/10/03	01/10/03	01/10/03	01/10/03
Reported:	01/17/03	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	03010022	03010023	03010024	03010025
Client Sample I.D.:	Surface-4	HS-29-10'	HS-29-25'	HS-29-40'
Dilution Factor:	1	1	1	1

EXTRACTABLE FUEL HYDROCARBONS - DIESEL (EPA 8015m)

	SAMPLE RESULTS			
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
Extractable Fuel Hydrocarbons*	13	<8.0	<8.0	<8.0

* Extractable Fuel Hydrocarbons are quantitated against a diesel standard. Hydrocarbons detected by this method range from C7 - C32.

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	—	01/07/03	01/07/03	01/07/03
Received:	—	01/09/03	01/09/03	01/09/03
Extracted:	01/09/03	01/09/03	01/09/03	01/09/03
Analyzed:	01/13/03	01/13/03	01/13/03	01/13/03
Reported:	01/17/03	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	MB	03010008	03010009	03010010
Client Sample I.D.:	—	Surface-1	Surface-2	Surface-3
Dilution Factor:	1	1	1	1

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

	SAMPLE RESULTS			
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
Volatile Fuel Hydrocarbons*	<5.0	<5.0	<5.0	<5.0

* Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14.

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/08/03	01/08/03	01/08/03
Received:	01/09/03	01/09/03	01/09/03
Extracted:	01/09/03	01/09/03	01/09/03
Analyzed:	01/13/03	01/13/03	01/13/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	03010011	03010012	03010013
Client Sample I.D.:	HS-25-5'	HS-25-10'	HS-25-20'
Dilution Factor:	1	1	1

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

	SAMPLE RESULTS		
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*
Volatile Fuel Hydrocarbons*	<5.0	<5.0	<5.0

* Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14.

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/08/03	01/08/03	01/08/03
Received:	01/09/03	01/09/03	01/09/03
Extracted:	01/09/03	01/09/03	01/09/03
Analyzed:	01/13/03	01/13/03	01/13/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	03010015	03010016	03010017
Client Sample I.D.:	HS-26-5'	HS-26-10'	HS-26-30'
Dilution Factor:	1	1	1

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

	SAMPLE RESULTS		
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*
Volatile Fuel Hydrocarbons*	<5.0	<5.0	<5.0

* Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14.

INIT_____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/08/03	01/08/03	01/08/03
Received:	01/09/03	01/09/03	01/09/03
Extracted:	01/09/03	01/09/03	01/09/03
Analyzed:	01/13/03	01/13/03	01/13/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	03010019	03010020	03010021
Client Sample I.D.:	HS-27-5'	HS-27-10'	HS-27-15'
Dilution Factor:	1	1	1

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

	SAMPLE RESULTS		
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*
Volatile Fuel Hydrocarbons*	<5.0	<5.0	<5.0

* Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14.

INIT_____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/09/03	01/09/03	01/09/03	01/09/03
Received:	01/09/03	01/09/03	01/09/03	01/09/03
Extracted:	01/09/03	01/09/03	01/09/03	01/09/03
Analyzed:	01/13/03	01/13/03	01/13/03	01/13/03
Reported:	01/17/03	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	03010022	03010023	03010024	03010025
Client Sample I.D.:	Surface-4	HS-29-10'	HS-29-25'	HS-29-40'
Dilution Factor:	1	1	1	1

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

	SAMPLE RESULTS			
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
Volatile Fuel Hydrocarbons*	<5.0	<5.0	<5.0	<5.0

* Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14.

INIT

Orange Coast Analytical, Inc.

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	—	01/07/03	01/07/03	01/07/03
Received:	—	01/09/03	01/09/03	01/09/03
Extracted:	01/09/03	01/09/03	01/09/03	01/09/03
Analyzed:	01/09/03	01/09/03	01/09/03	01/09/03
Reported:	01/17/03	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	MB0109	03010008	03010009	03010010
Client Sample I.D.:	—	Surface-1	Surface-2	Surface-3
Dilution Factor:	1	1	1	1

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	SAMPLE RESULTS			
		µg/kg	µg/kg	µg/kg	µg/kg
Benzene	71-43-2	<2.5	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	<2.5	<2.5	<2.5	<2.5
Bromoform	75-25-2	<2.5	<2.5	<2.5	<2.5
Bromomethane	74-83-9	<5.0	<5.0	<5.0	<5.0
Carbon Disulfide	75-15-0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	<2.5	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	<2.5	<2.5	<2.5	<2.5
Chloroethane	75-00-3	<5.0	<5.0	<5.0	<5.0
Chloroform	67-66-3	<2.5	<2.5	<2.5	<2.5
Chloromethane	74-87-3	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	75-34-3	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	<2.5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	<2.5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	<2.5	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	<5.0	<5.0	<5.0	<5.0
Styrene	100-42-5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	<2.5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	<2.5	<2.5	<2.5	<2.5
Toluene	108-88-3	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	<2.5	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	<2.5	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	<5.0	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	<2.5	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	<2.5	<2.5	<2.5	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	<2.5	<2.5	<2.5
cis-1,2-Dichloroethene	156-59-2	<2.5	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	<2.5	<2.5	<2.5	<2.5

INIT ____

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #:	MBE 13936	***Sampled:***	—	01/07/03	01/07/03	01/07/03
		Received:	—	01/09/03	01/09/03	01/09/03
Sample Description:	Soil	***Extracted:***	01/09/03	01/09/03	01/09/03	01/09/03
		Analyzed:	01/09/03	01/09/03	01/09/03	01/09/03
Client Project ID:	Runkle Ranch	***Reported:***	01/17/03	01/17/03	01/17/03	01/17/03
Client Project #:	402-0002-02					
		Lab Sample I.D.:	MB0109	03010008	03010009	03010010
		Client Sample I.D.:	—	Surface-1	Surface-2	Surface-3
		Dilution Factor:	1	1	1	1

ANALYTE (con't)	***CAS NUMBER***	***SAMPLE RESULTS***			
		µg/kg	***µg/kg***	***µg/kg***	***µg/kg***
Bromochloromethane	74-97-5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	<2.5	<2.5	<2.5	<2.5
1,1,1,2-Tetrachloroethane	630-20-6	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	<2.5	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene	103-65-1	<2.5	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	<2.5	<2.5	<2.5	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	<2.5	<2.5	<2.5	<2.5
MTBE	1634-04-4	<5.0	<5.0	<5.0	<5.0
DIPE	108-20-3	<10	<10	<10	<10
TAME	955-05-8	<10	<10	<10	<10
ETBE	637-92-3	<10	<10	<10	<10
TBA	75-65-0	<50	<50	<50	<50
SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***	***%RC***	***%RC***
Dibromofluoromethane	26-196	91	88	93	94
Toluene-d8	31-168	98	97	98	99
4-Bromofluorobenzene	55-133	95	96	93	96

INIT ____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/08/03	01/08/03	01/08/03
Received:	01/09/03	01/09/03	01/09/03
Extracted:	01/09/03	01/09/03	01/09/03
Analyzed:	01/09/03	01/09/03	01/09/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	03010011	03010012	03010013
Client Sample I.D.:	HS-25-5'	HS-25-10'	HS-25-20'
Dilution Factor:	1	1	1

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	SAMPLE RESULTS		
		µg/kg	µg/kg	µg/kg
Benzene	71-43-2	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	<2.5	<2.5	<2.5
Bromoform	75-25-2	<2.5	<2.5	<2.5
Bromomethane	74-83-9	<5.0	<5.0	<5.0
Carbon Disulfide	75-15-0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	<2.5	<2.5	<2.5
Chloroethane	75-00-3	<5.0	<5.0	<5.0
Chloroform	67-66-3	<2.5	<2.5	<2.5
Chloromethane	74-87-3	<5.0	<5.0	<5.0
1,1-Dichloroethane	75-34-3	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	<5.0	<5.0	<5.0
Styrene	100-42-5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	<2.5	<2.5	<2.5
Toluene	108-88-3	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	<2.5	<2.5	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	<2.5	<2.5
cis-1,2-Dichloroethene	156-59-2	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	<2.5	<2.5	<2.5

INIT_____

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #:	MBE 13936	***Sampled:***	01/08/03	01/08/03	01/08/03
		Received:	01/09/03	01/09/03	01/09/03
Sample Description:	Soil	***Extracted:***	01/09/03	01/09/03	01/09/03
		Analyzed:	01/09/03	01/09/03	01/09/03
Client Project ID:	Runkle Ranch	***Reported:***	01/17/03	01/17/03	01/17/03
Client Project #:	402-0002-02				
		Lab Sample I.D.:	03010011	03010012	03010013
		Client Sample I.D.:	HS-25-5'	HS-25-10'	HS-25-20'
		Dilution Factor:	1	1	1

ANALYTE (con't)	***CAS NUMBER***	***SAMPLE RESULTS***		
		µg/kg	***µg/kg***	***µg/kg***
Bromochloromethane	74-97-5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	<2.5	<2.5	<2.5
1,1,1,2-Tetrachloroethane	630-20-6	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	<2.5	<2.5	<2.5
n-Propylbenzene	103-65-1	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	<2.5	<2.5	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	<2.5	<2.5	<2.5
Naphthalene	91-20-3	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	<2.5	<2.5	<2.5
MTBE	1634-04-4	<5.0	<5.0	<5.0
DIPE	108-20-3	<10	<10	<10
TAME	955-05-8	<10	<10	<10
ETBE	637-92-3	<10	<10	<10
TBA	75-65-0	<50	<50	<50
SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***	***%RC***
Dibromofluoromethane	26-196	96	96	97
Toluene-d8	31-168	97	99	98
4-Bromofluorobenzene	55-133	94	95	94

INIT ____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/08/03	01/08/03	01/08/03
Received:	01/09/03	01/09/03	01/09/03
Extracted:	01/09/03	01/09/03	01/09/03
Analyzed:	01/09/03	01/09/03	01/09/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	03010015	03010016	03010017
Client Sample I.D.:	HS-26-5'	HS-26-10'	HS-26-30'
Dilution Factor:	1	1	1

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***SAMPLE RESULTS***		
		µg/kg	***µg/kg***	***µg/kg***
Benzene	71-43-2	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	<2.5	<2.5	<2.5
Bromoform	75-25-2	<2.5	<2.5	<2.5
Bromomethane	74-83-9	<5.0	<5.0	<5.0
Carbon Disulfide	75-15-0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	<2.5	<2.5	<2.5
Chloroethane	75-00-3	<5.0	<5.0	<5.0
Chloroform	67-66-3	<2.5	<2.5	<2.5
Chloromethane	74-87-3	<5.0	<5.0	<5.0
1,1-Dichloroethane	75-34-3	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	<5.0	<5.0	<5.0
Styrene	100-42-5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	<2.5	<2.5	<2.5
Toluene	108-88-3	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	<2.5	<2.5	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	<2.5	<2.5
cis-1,2-Dichloroethene	156-59-2	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	<2.5	<2.5	<2.5

INIT _____

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #:	MBE 13936	***Sampled:***	01/08/03	01/08/03	01/08/03
		Received:	01/09/03	01/09/03	01/09/03
Sample Description:	Soil	***Extracted:***	01/09/03	01/09/03	01/09/03
		Analyzed:	01/09/03	01/09/03	01/09/03
Client Project ID:	Runkle Ranch	***Reported:***	01/17/03	01/17/03	01/17/03
Client Project #:	402-0002-02				
		Lab Sample I.D.:	03010015	03010016	03010017
		Client Sample I.D.:	HS-26-5'	HS-26-10'	HS-26-30'
		Dilution Factor:	1	1	1

ANALYTE (con't)	***CAS NUMBER***	***SAMPLE RESULTS***		
		µg/kg	***µg/kg***	***µg/kg***
Bromochloromethane	74-97-5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	<2.5	<2.5	<2.5
1,1,1,2-Tetrachloroethane	630-20-6	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	<2.5	<2.5	<2.5
n-Propylbenzene	103-65-1	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	<2.5	<2.5	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	<2.5	<2.5	<2.5
Naphthalene	91-20-3	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	<2.5	<2.5	<2.5
MTBE	1634-04-4	<5.0	<5.0	<5.0
DIPE	108-20-3	<10	<10	<10
TAME	955-05-8	<10	<10	<10
ETBE	637-92-3	<10	<10	<10
TBA	75-65-0	<50	<50	<50
SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***	***%RC***
Dibromofluoromethane	26-196	98	99	100
Toluene-d8	31-168	98	99	98
4-Bromofluorobenzene	55-133	94	95	96

INIT ____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/08/03	01/08/03	01/08/03
Received:	01/09/03	01/09/03	01/09/03
Extracted:	01/09/03	01/09/03	01/09/03
Analyzed:	01/09/03	01/09/03	01/09/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	03010019	03010020	03010021
Client Sample I.D.:	HS-27-5'	HS-27-10'	HS-27-15'
Dilution Factor:	1	1	1

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*SAMPLE RESULTS*		
		µg/kg	*µg/kg*	*µg/kg*
Benzene	71-43-2	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	<2.5	<2.5	<2.5
Bromoform	75-25-2	<2.5	<2.5	<2.5
Bromomethane	74-83-9	<5.0	<5.0	<5.0
Carbon Disulfide	75-15-0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	<2.5	<2.5	<2.5
Chloroethane	75-00-3	<5.0	<5.0	<5.0
Chloroform	67-66-3	<2.5	<2.5	<2.5
Chloromethane	74-87-3	<5.0	<5.0	<5.0
1,1-Dichloroethane	75-34-3	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	<5.0	<5.0	<5.0
Styrene	100-42-5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	<2.5	<2.5	<2.5
Toluene	108-88-3	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	<2.5	<2.5	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	<2.5	<2.5
cis-1,2-Dichloroethene	156-59-2	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	<2.5	<2.5	<2.5

INIT ____

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #:	MBE 13936	***Sampled:***	01/08/03	01/08/03	01/08/03
		Received:	01/09/03	01/09/03	01/09/03
Sample Description:	Soil	***Extracted:***	01/09/03	01/09/03	01/09/03
		Analyzed:	01/09/03	01/09/03	01/09/03
Client Project ID:	Runkle Ranch	***Reported:***	01/17/03	01/17/03	01/17/03
Client Project #:	402-0002-02				
		Lab Sample I.D.:	03010019	03010020	03010021
		Client Sample I.D.:	HS-27-5'	HS-27-10'	HS-27-15'
		Dilution Factor:	1	1	1

ANALYTE (con't)	***CAS NUMBER***	***SAMPLE RESULTS***		
		µg/kg	***µg/kg***	***µg/kg***
Bromochloromethane	74-97-5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	<2.5	<2.5	<2.5
1,1,1,2-Tetrachloroethane	630-20-6	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	<2.5	<2.5	<2.5
n-Propylbenzene	103-65-1	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	<2.5	<2.5	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	<2.5	<2.5	<2.5
Naphthalene	91-20-3	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	<2.5	<2.5	<2.5
MTBE	1634-04-4	<5.0	<5.0	<5.0
DIPE	108-20-3	<10	<10	<10
TAME	955-05-8	<10	<10	<10
ETBE	637-92-3	<10	<10	<10
TBA	75-65-0	<50	<50	<50
SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***	***%RC***
Dibromofluoromethane	26-196	102	104	99
Toluene-d8	31-168	100	98	100
4-Bromofluorobenzene	55-133	95	94	97

INIT_____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/09/03	01/09/03	01/09/03	01/09/03
Received:	01/09/03	01/09/03	01/09/03	01/09/03
Extracted:	01/09/03	01/09/03	01/09/03	01/09/03
Analyzed:	01/10/02	01/10/03	01/10/03	01/10/03
Reported:	01/17/03	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	03010022	03010023	03010024	03010025
Client Sample I.D.:	Surface-4	HS-29-10'	HS-29-25'	HS-29-40'
Dilution Factor:	1	1	1	

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*SAMPLE RESULTS*			
		µg/kg	*µg/kg*	*µg/kg*	*µg/kg*
Benzene	71-43-2	<2.5	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	<2.5	<2.5	<2.5	<2.5
Bromoform	75-25-2	<2.5	<2.5	<2.5	<2.5
Bromomethane	74-83-9	<5.0	<5.0	<5.0	<5.0
Carbon Disulfide	75-15-0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	<2.5	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	<2.5	<2.5	<2.5	<2.5
Chloroethane	75-00-3	<5.0	<5.0	<5.0	<5.0
Chloroform	67-66-3	<2.5	<2.5	<2.5	<2.5
Chloromethane	74-87-3	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	75-34-3	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	<2.5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	<2.5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	<2.5	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	<5.0	<5.0	<5.0	<5.0
Styrene	100-42-5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	<2.5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	<2.5	<2.5	<2.5	<2.5
Toluene	108-88-3	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	<2.5	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	<2.5	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	<5.0	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	<2.5	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	<2.5	<2.5	<2.5	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	<2.5	<2.5	<2.5
cis-1,2-Dichloroethene	156-59-2	<2.5	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	<2.5	<2.5	<2.5	<2.5

INIT ___

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #: MBE 13936	***Sampled:***	01/09/03	01/09/03	01/09/03	01/09/03
	Received:	01/09/03	01/09/03	01/09/03	01/09/03
Sample Description: Soil	***Extracted:***	01/09/03	01/09/03	01/09/03	01/09/03
	Analyzed:	01/10/02	01/10/03	01/10/03	01/10/03
Client Project ID: Runkle Ranch	***Reported:***	01/17/03	01/17/03	01/17/03	01/17/03
Client Project #: 402-0002-02					
	Lab Sample I.D.:	03010022	03010023	03010024	03010025
	Client Sample I.D.:	Surface-4	HS-29-10'	HS-29-25'	HS-29-40'
	Dilution Factor:	1	1	1	1

ANALYTE (con't)	***CAS NUMBER***	***SAMPLE RESULTS***			
		µg/kg	***µg/kg***	***µg/kg***	***µg/kg***
Bromochloromethane	74-97-5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	<2.5	<2.5	<2.5	<2.5
1,1,1,2-Tetrachloroethane	630-20-6	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	<2.5	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene	103-65-1	<2.5	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	<2.5	<2.5	<2.5	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	<2.5	<2.5	<2.5	<2.5
MTBE	1634-04-4	<5.0	<5.0	<5.0	<5.0
DIPE	108-20-3	<10	<10	<10	<10
TAME	955-05-8	<10	<10	<10	<10
ETBE	637-92-3	<10	<10	<10	<10
TBA	75-65-0	<50	<50	<50	<50
SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***	***%RC***	***%RC***
Dibromofluoromethane	26-196	104	113	106	112
Toluene-d8	31-168	98	99	100	101
4-Bromofluorobenzene	55-133	94	95	96	97

INIT_____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sampled:	—	01/07/03	01/08/03
Received:	—	01/09/03	01/09/03
Extracted:	01/10/03	01/10/03	01/10/03
Analyzed:	01/13/03	01/13/03	01/13/03
Reported:	01/17/03	01/17/03	01/17/03

Sample Description: Soil

Laboratory Reference #: MBE 13936

Lab Sample I.D.:	MB	03010008	03010011
Client Sample I.D.:	—	Surface-1	HS-25-5'
Dilution Factor:	1	1	1

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*SAMPLE RESULTS*		
		µg/kg	*µg/kg*	*µg/kg*
Acenaphthene	83-32-9	<100	<100	<100
Acenaphthylene	208-96-8	<100	<100	<100
Aniline	62-53-3	<100	<100	<100
Anthracene	120-12-7	<100	<100	<100
Benzoic acid	65-85-0	<1000	<1000	<1000
Benzo (a) anthracene	56-55-3	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	<250	<250	<250
Benzo (k) fluoranthene	207-08-9	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	<250	<250	<250
Benzo (a) pyrene	50-32-8	<250	<250	<250
Benzyl alcohol	100-51-6	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	<100	<100	<100
Butyl benzyl phthalate	85-68-7	<100	<100	<100
4-Chloroaniline	106-47-8	<100	<100	<100
2-Chloronaphthalene	91-58-7	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	<100	<100	<100
2-Chlorophenol	95-57-8	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	<100	<100	<100
Chrysene	218-01-9	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	<100	<100	<100
Dibenzofuran	132-64-9	<100	<100	<100
Di-n-butyl phthalate	84-74-2	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	<100	<100	<100
2,4-Dichlorophenol	120-83-2	<100	<100	<100
Diethyl phthalate	84-66-2	<100	<100	<100
2,4-Dimethylphenol	105-67-9	<100	<100	<100
Dimethyl phthalate	131-11-3	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	<1000	<1000	<1000
2,4-Dinitrophenol	51-28-5	<1000	<1000	<1000
2,4-Dinitrotoluene	121-14-2	<250	<250	<250

INIT ____

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #:	MBE 13936	***Sampled:***	—	01/07/03	01/08/03
		Received:	—	01/09/03	01/09/03
Sample Description:	Soil	***Extracted:***	01/10/03	01/10/03	01/10/03
		Analyzed:	01/13/03	01/13/03	01/13/03
Client Project ID:	Runkle Ranch	***Reported:***	01/17/03	01/17/03	01/17/03
Client Project #:	402-0002-02				
		Lab Sample I.D.:	MB	03010008	03010011
		Client Sample I.D.:	—	Surface-1	HS-25-5'
		Dilution Factor:	1	1	1

ANALYTE (con't)	***CAS NUMBER***	***SAMPLE RESULTS***		
		µg/kg	***µg/kg***	***µg/kg***
2,6-Dinitrotoluene	606-20-2	<250	<250	<250
Di-n-octyl phthalate	117-84-0	<250	<250	<250
Fluoranthene	206-44-0	<100	<100	<100
Fluorene	86-73-7	<100	<100	<100
Hexachlorobenzene	118-74-1	<100	<100	<100
Hexachlorobutadiene	87-68-3	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	<500	<500	<500
Hexachloroethane	67-72-1	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	<250	<250	<250
Isophorone	78-59-1	<100	<100	<100
2-Methylnaphthalene	91-57-6	<100	<100	<100
2-Methylphenol	95-48-7	<100	<100	<100
3 & 4-Methylphenol	108-39-4,106-44-5	<100	<100	<100
Naphthalene	91-20-3	<100	<100	<100
2-Nitroaniline	88-74-4	<250	<250	<250
3-Nitroaniline	99-09-2	<250	<250	<250
4-Nitroaniline	100-01-6	<250	<250	<250
Nitrobenzene	98-95-3	<100	<100	<100
2-Nitrophenol	88-75-5	<100	<100	<100
4-Nitrophenol	100-02-7	<1000	<1000	<1000
N-Nitrosodiphenylamine	86-30-6	<100	<100	<100
N-Nitrosodipropylamine	621-64-7	<100	<100	<100
N-Nitrosodimethylamine	62-75-9	<100	<100	<100
Pentachlorophenol	87-86-5	<1000	<1000	<1000
Phenanthrene	85-01-8	<100	<100	<100
Phenol	108-95-2	<100	<100	<100
Pyrene	129-00-0	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	<100	<100	<100
2,4,5-Trichlorophenol	95-95-4	<100	<100	<100
2,4,6-Trichlorophenol	88-06-2	<100	<100	<100

SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***	***%RC***
2-Fluorophenol	11 - 135	69	82	74
Phenol-d6	18 - 134	71	85	79
Nitrobenzene-d5	27 - 146	95	93	92
2-Fluorobiphenyl	29 - 159	83	103	96
2,4,6-Tribromophenol	20 - 136	79	88	92
Terphenyl-d14	24 - 186	82	109	89

INIT_____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sampled:	01/08/03	01/08/03	01/09/03
Received:	01/09/03	01/09/03	01/09/03
Extracted:	01/10/03	01/10/03	01/10/03
Analyzed:	01/13/03	01/13/03	01/13/03
Reported:	01/17/03	01/17/03	01/17/03

Sample Description: Soil

Laboratory Reference #: MBE 13936

Lab Sample I.D.:	03010016	03010021	03010024
Client Sample I.D.:	HS-26-10'	HS-27-15'	HS-29-25'
Dilution Factor:	1	1	1

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*SAMPLE RESULTS*		
		µg/kg	*µg/kg*	*µg/kg*
Acenaphthene	83-32-9	<100	<100	<100
Acenaphthylene	208-96-8	<100	<100	<100
Aniline	62-53-3	<100	<100	<100
Anthracene	120-12-7	<100	<100	<100
Benzoic acid	65-85-0	<1000	<1000	<1000
Benzo (a) anthracene	56-55-3	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	<250	<250	<250
Benzo (k) fluoranthene	207-08-9	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	<250	<250	<250
Benzo (a) pyrene	50-32-8	<250	<250	<250
Benzyl alcohol	100-51-6	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	<100	<100	<100
Butyl benzyl phthalate	85-68-7	<100	<100	<100
4-Chloroaniline	106-47-8	<100	<100	<100
2-Chloronaphthalene	91-58-7	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	<100	<100	<100
2-Chlorophenol	95-57-8	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	<100	<100	<100
Chrysene	218-01-9	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	<100	<100	<100
Dibenzofuran	132-64-9	<100	<100	<100
Di-n-butyl phthalate	84-74-2	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	<100	<100	<100
2,4-Dichlorophenol	120-83-2	<100	<100	<100
Diethyl phthalate	84-66-2	<100	<100	<100
2,4-Dimethylphenol	105-67-9	<100	<100	<100
Dimethyl phthalate	131-11-3	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	<1000	<1000	<1000
2,4-Dinitrophenol	51-28-5	<1000	<1000	<1000
2,4-Dinitrotoluene	121-14-2	<250	<250	<250

INIT

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #:	MBE 13936	***Sampled:***	01/08/03	01/08/03	01/09/03
		Received:	01/09/03	01/09/03	01/09/03
Sample Description:	Soil	***Extracted:***	01/10/03	01/10/03	01/10/03
		Analyzed:	01/13/03	01/13/03	01/13/03
Client Project ID:	Runkle Ranch	***Reported:***	01/17/03	01/17/03	01/17/03
Client Project #:	402-0002-02				
		Lab Sample I.D.:	03010016	03010021	03010024
		Client Sample I.D.:	HS-26-10'	HS-27-15'	HS-29-25'
		Dilution Factor:	1	1	1

ANALYTE (con't)	***CAS NUMBER***	***SAMPLE RESULTS***		
		µg/kg	***µg/kg***	***µg/kg***
2,6-Dinitrotoluene	606-20-2	<250	<250	<250
Di-n-octyl phthalate	117-84-0	<250	<250	<250
Fluoranthene	206-44-0	<100	<100	<100
Fluorene	86-73-7	<100	<100	<100
Hexachlorobenzene	118-74-1	<100	<100	<100
Hexachlorobutadiene	87-68-3	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	<500	<500	<500
Hexachloroethane	67-72-1	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	<250	<250	<250
Isophorone	78-59-1	<100	<100	<100
2-Methylnaphthalene	91-57-6	<100	<100	<100
2-Methylphenol	95-48-7	<100	<100	<100
3 & 4-Methylphenol	108-39-4,106-44-5	<100	<100	<100
Naphthalene	91-20-3	<100	<100	<100
2-Nitroaniline	88-74-4	<250	<250	<250
3-Nitroaniline	99-09-2	<250	<250	<250
4-Nitroaniline	100-01-6	<250	<250	<250
Nitrobenzene	98-95-3	<100	<100	<100
2-Nitrophenol	88-75-5	<100	<100	<100
4-Nitrophenol	100-02-7	<1000	<1000	<1000
N-Nitrosodiphenylamine	86-30-6	<100	<100	<100
N-Nitrosodipropylamine	621-64-7	<100	<100	<100
N-Nitrosodimethylamine	62-75-9	<100	<100	<100
Pentachlorophenol	87-86-5	<1000	<1000	<1000
Phenanthrene	85-01-8	<100	<100	<100
Phenol	108-95-2	<100	<100	<100
Pyrene	129-00-0	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	<100	<100	<100
2,4,5-Trichlorophenol	95-95-4	<100	<100	<100
2,4,6-Trichlorophenol	88-06-2	<100	<100	<100

SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***	***%RC***
2-Fluorophenol	11 - 135	75	75	72
Phenol-d6	18 - 134	76	72	79
Nitrobenzene-d5	27 - 146	99	94	82
2-Fluorobiphenyl	29 - 159	86	85	88
2,4,6-Tribromophenol	20 - 136	76	79	87
Terphenyl-d14	24 - 186	90	95	100

INIT_____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	—	01/07/03	01/08/03
Received:	—	01/09/03	01/09/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:			
Client Sample I.D.:	MB	03010008	03010011
	—	Surface-1	HS-25-5'

CCR METALS

ANALYTE	*DATE TESTED*	*EPA METHOD*	*SAMPLE RESULTS*		
			mg/kg	*mg/kg*	*mg/kg*
Antimony	01/13/03	6010	<5.0	<5.0	<5.0
Arsenic	01/13/03	6010	<1.0	3.3	<1.0
Barium	01/13/03	6010	<0.5	100	34
Beryllium	01/13/03	6010	<0.5	0.83	<0.5
Cadmium	01/13/03	6010	<0.5	<0.5	<0.5
Chromium (VI)	01/16/03	7196	<0.5	<0.5	<0.5
Chromium (Total)	01/13/03	6010	<0.5	22	8.1
Cobalt	01/13/03	6010	<0.5	11	5.5
Copper	01/13/03	6010	<0.5	27	17
Lead	01/13/03	6010	<1.0	11	3.5
Mercury	01/14/03	7471	<0.1	<0.1	<0.1
Molybdenum	01/13/03	6010	<1.0	<1.0	<1.0
Nickel	01/13/03	6010	<0.5	17	8.4
Selenium	01/13/03	6010	<5.0	<5.0	<5.0
Silver	01/13/03	6010	<0.5	1.4	0.64
Thallium	01/13/03	6010	<5.0	<5.0	<5.0
Vanadium	01/13/03	6010	<0.5	60	27
Zinc	01/13/03	6010	<0.5	97	41

INIT_____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/08/03	01/08/03	01/09/03
Received:	01/09/03	01/09/03	01/09/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:			
Client Sample I.D.:	03010016 HS-26-10'	03010021 HS-27-15'	03010024 HS-29-25'

CCR METALS

ANALYTE	*DATE TESTED*	*EPA METHOD*	*SAMPLE RESULTS*		
			mg/kg	*mg/kg*	*mg/kg*
Antimony	01/13/03	6010	<5.0	<5.0	<5.0
Arsenic	01/13/03	6010	<1.0	<1.0	<1.0
Barium	01/13/03	6010	29	66	21
Beryllium	01/13/03	6010	<0.5	0.54	<0.5
Cadmium	01/13/03	6010	<0.5	<0.5	<0.5
Chromium (VI)	01/16/03	7196	<0.5	<0.5	<0.5
Chromium (Total)	01/13/03	6010	5.3	13	3.7
Cobalt	01/13/03	6010	3.1	7.7	2.7
Copper	01/13/03	6010	11	20	14
Lead	01/13/03	6010	1.9	5.0	1.9
Mercury	01/14/03	7471	<0.1	<0.1	<0.1
Molybdenum	01/13/03	6010	<1.0	<1.0	<1.0
Nickel	01/13/03	6010	4.8	11	3.5
Selenium	01/13/03	6010	<5.0	<5.0	<5.0
Silver	01/13/03	6010	0.51	1.1	4.1
Thallium	01/13/03	6010	<5.0	<5.0	<5.0
Vanadium	01/13/03	6010	20	44	15
Zinc	01/13/03	6010	30	62	24

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	—	01/08/03	01/08/03
Received:	—	01/09/03	01/09/03
Extracted:	01/13/03	01/13/03	01/13/03
Analyzed:	01/13/03	01/13/03	01/13/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	MB0113	03010011	03010016
Client Sample I.D.:	—	HS-25-5'	HS-26-10'
Dilution Factor:	1	1	1

POLYCHLORINATED BIPHENYL'S (EPA 8082)

ANALYTE	CAS NUMBER	SAMPLE RESULTS		
		µg/kg	µg/kg	µg/kg
PCB-1016	12674-11-2	<25	<25	<25
PCB-1221	111104-28-2	<25	<25	<25
PCB-1232	11141-16-5	<25	<25	<25
PCB-1242	53469-21-9	<25	<25	<25
PCB-1248	12672-29-6	<25	<25	<25
PCB-1254	11097-69-1	<25	<25	<25
PCB-1260	11096-82-5	<25	<25	<25

SURROGATE RECOVERY	Acceptable %RC	%RC	%RC	%RC
Decachlorobiphenyl	55-139	99	98	94

INIT____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sampled:	01/08/03	01/09/03
Received:	01/09/03	01/09/03
Extracted:	01/13/03	01/13/03
Analyzed:	01/13/03	01/13/03
Reported:	01/17/03	01/17/03

Sample Description: Soil

Laboratory Reference #: MBE 13936

Lab Sample I.D.:	03010021	03010024
Client Sample I.D.:	HS-27-15'	HS-29-25'
Dilution Factor:	1	1

POLYCHLORINATED BIPHENYL'S (EPA 8082)

ANALYTE	*CAS NUMBER*	*SAMPLE RESULTS*	
		µg/kg	*µg/kg*
PCB-1016	12674-11-2	<25	<25
PCB-1221	111104-28-2	<25	<25
PCB-1232	11141-16-5	<25	<25
PCB-1242	53469-21-9	<25	<25
PCB-1248	12672-29-6	<25	<25
PCB-1254	11097-69-1	<25	<25
PCB-1260	11096-82-5	<25	<25

SURROGATE RECOVERY	*Acceptable %RC*	*%RC*	*%RC*
Decachlorobiphenyl	55-139	102	106

INIT_____

QA/QC REPORT
for
Extractable Fuel Hydrocarbons (8015m)
Reporting units: ppm

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 01/10/03
Laboratory Sample No : 03010012
Laboratory Reference No : MBE 13936

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*% MS*	*% MSD*	*RPD*	*ACP %MS*	*ACP RPD*
Extractable Fuel Hydrocarbons	0.0	100	96	99	96	99	3	42-126	31

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery Of MS: {(MS-R1) / SP} x100
% MSD	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %MS(MSD)	Acceptable Range of Percent
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 01/10/03
Laboratory Standard No : OCA9840

Analyte	*SP CONC*	*RESULTS*	*% RECOVERY*	*ACCEPTABLE %*
Extractable Fuel Hydrocarbons	100	88	88	44-110

INIT

QA/QC REPORT
for
Volatile Fuel Hydrocarbons (8015m)
Reporting units: ppm

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 01/13/03
Laboratory Sample No : 03010009
Laboratory Reference No : MBE 13936

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*% MS*	*% MSD*	*RPD*	*ACP %MS*	*ACP RPD*
Volatile Fuel Hydrocarbons	0.0	12.5	13.0	12.7	104	102	2	35-137	31

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery Of MS: {(MS-R1) / SP} x100
% MSD	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %MS(MSD)	Acceptable Range of Percent
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 01/13/03
Laboratory Standard No : OCA9989

Analyte	*SP CONC*	*RESULTS*	*% RECOVERY*	*ACCEPTABLE %*
Volatile Fuel Hydrocarbons	12.5	12.8	102	62-128

INIT_____

QA/QC REPORT
for
Polychlorinated Biphenyl's (EPA 8082)
Reporting units: ppb

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 01/13/03
Laboratory Sample No : 03010032
Laboratory Reference No : MBE 13936

Analyte	R1	SP CONC	MS	MSD	%MS	%MSD	RPD	ACP%	ACP RPD
PCB-1016	0.0	250	220	230	88	92	4	56-148	22
PCB-1260	0.0	250	200	230	80	92	14	56-154	22

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery of MS: {(MS-R1) / SP} x 100
% MSD	Percent Recovery of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %	Acceptable Range of Percent for MS/MSD
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 01/13/03
Laboratory Standard No : OCA 9889

Analyte	SP CONC	Results	% Recovery	ACP %
PCB-1016	250	320	128	78-129
PCB-1260	250	290	116	61-150

INIT ____

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)
Reporting Units: ppb

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 01/09/03
Laboratory Sample No : A03010100
Laboratory Reference No : MBE 13936

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
1,1-Dichloroethene	0.0	50	48	46	96	92	4	59-139	21
Benzene	0.0	50	50	48	100	96	4	70-120	11
Trichloroethene	0.0	50	52	50	104	100	4	55-134	19
Toluene	0.0	50	53	51	106	102	4	74-120	12
Chlorobenzene	0.0	50	51	49	102	98	4	81-121	9

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery of MS: {(MS-R1) / SP} x 100
% MSD	Percent Recovery of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %	Acceptable Range of Percent for MS/MSD
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 01/09/03
Laboratory Standard No : OCA 10224

Analyte	*SP CONC*	*Results*	*% Recovery*	*ACP %*
1,1-Dichloroethene	50	49	98	65-125
Benzene	50	50	100	74-107
Trichloroethene	50	52	104	74-112
Toluene	50	51	102	74-122
Chlorobenzene	50	50	100	81-122

INIT

QA/QC REPORT
for
Semi-Volatile Organic Compounds (EPA 8270C)
Reporting Units: ng

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 01/13/03
Laboratory Sample No : 03010011
Laboratory Reference No : MBE 13936

Analyte	R1	SP CONC	MS	MSD	%MS	%MSD	RPD	ACP%	ACP RPD
Phenol	0.0	100	90	80	90	80	12	42-111	25
2-Chlorophenol	0.0	100	93	91	93	91	2	52-121	25
1,4-Dichlorobenzene	0.0	50	43	42	86	84	2	46-110	21
N-Nitrosodipropylamine	0.0	50	48	48	96	96	0	33-120	26
1,2,4-Trichlorobenzene	0.0	50	47	46	94	92	2	44-114	21
4-Chloro-3-methylphenol	0.0	100	96	100	96	100	4	36-127	21
Acenaphthene	0.0	50	42	43	84	86	2	50-122	20
Pentachlorophenol	0.0	100	98	104	98	104	6	8-135	23
Pyrene*	0.0	50	43	53	86	106	21	39-149	20

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery of MS: {(MS-R1) / SP} x 100
% MSD	Percent Recovery of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %	Acceptable Range of Percent for MS/MSD
ACP RPD	Acceptable Relative Percent Difference
*	MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria

2. Laboratory Control Sample

Date of Analysis : 1/13/03
Laboratory Standard No : OCA8892, OCA8893

Analyte	SP CONC	Results	% Recovery	ACP %
Phenol	100	87	87	45-101
2-Chlorophenol	100	81	81	49-115
1,4-Dichlorobenzene	50	39	78	49-108
N-Nitrosodipropylamine	50	40	80	44-114
1,2,4-Trichlorobenzene	50	45	90	49-109
4-Chloro-3-methylphenol	100	90	90	50-112
Acenaphthene	50	43	86	47-119
Pentachlorophenol	100	94	94	17-114
Pyrene	50	40	80	45-128

INIT_____

QA/QC REPORT
for Metals
Reporting units: ppm

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)
Laboratory Reference No : MBE 13936

Analyte	*Date Tested*	*QC Sample*	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
Antimony*	01/13/03	03010011	0.0	20.0	7.65	8.07	38	40	5	75-125	20
Arsenic	01/13/03	03010011	0.0	20.0	18.3	18.9	92	95	3	75-125	20
Barium	01/13/03	03010011	34	40.0	73.8	73.8	100	100	0	75-125	20
Beryllium	01/13/03	03010011	0.0	10.0	9.76	9.91	98	99	2	75-125	20
Cadmium	01/13/03	03010011	0.0	10.0	9.18	9.44	92	94	3	75-125	20
Chromium (Total)	01/13/03	03010011	8.1	20.0	30.7	26.4	113	92	15	75-125	20
Chromium (VI)	01/16/03	03010021	0.0	5.00	4.81	4.76	96	95	1	80-120	15
Cobalt	01/13/03	03010011	5.5	20.0	23.2	23.7	89	91	2	75-125	20
Copper	01/13/03	03010011	17	20.0	37.7	39.8	104	114	5	75-125	20
Lead	01/13/03	03010011	3.5	20.0	20.6	21.1	86	88	2	75-125	20
Mercury	01/14/03	03010011	0.0	1.00	1.07	1.07	107	107	0	80-120	15
Molybdenum	01/13/03	03010011	0.0	20.0	16.6	17.1	83	86	3	75-125	20
Nickel	01/13/03	03010011	8.4	20.0	27.1	25.9	94	88	5	75-125	20
Selenium	01/13/03	03010011	0.0	20.0	17.1	17.9	86	90	5	75-125	20
Silver	01/13/03	03010011	0.64	20.0	17.5	17.9	84	86	2	75-125	20
Thallium	01/13/03	03010011	0.0	20.0	16.6	16.4	83	82	1	75-125	20
Vanadium	01/13/03	03010011	27	20.0	46.2	46.0	96	95	0	75-125	20
Zinc	01/13/03	03010011	41	40.0	78.5	80.0	94	98	2	75-125	20

Definition of Terms :

R1	Result of QC Sample
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery of MS: {(MS-R1) / SP} x 100
% MSD	Percent Recovery of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %	Acceptable Range of Percent for MS/MSD
ACP RPD	Acceptable Relative Percent Difference
*	Matrix spike recovery was low, the method control sample recovery was acceptable.

2. Laboratory Control Sample

Analyte	*Date Tested*	*Spike Standard ID*	*SP CONC*	*Results*	*% Recovery*	*ACP %*
Antimony	01/13/03	OCA 10241	20.0	18.9	95	80-120
Arsenic	01/13/03	OCA 10241	20.0	18.9	95	80-120
Barium	01/13/03	OCA 10241	40.0	37.8	95	80-120
Beryllium	01/13/03	OCA 10241	10.0	9.65	97	80-120
Cadmium	01/13/03	OCA 10241	10.0	9.48	95	80-120
Chromium (Total)	01/13/03	OCA 10241	20.0	18.5	93	80-120
Chromium (VI)	01/16/03	OCA 9771	5.00	4.79	96	80-120
Cobalt	01/13/03	OCA 10241	20.0	18.9	95	80-120
Copper	01/13/03	OCA 10241	20.0	18.9	95	80-120
Lead	01/13/03	OCA 10241	20.0	18.6	93	80-120
Mercury	01/14/03	OCA 10041	1.00	1.08	108	80-120
Molybdenum	01/13/03	OCA 10241	20.0	18.6	93	80-120
Nickel	01/13/03	OCA 10241	20.0	18.8	94	80-120
Selenium	01/13/03	OCA 10241	20.0	19.4	97	80-120
Silver	01/13/03	OCA 10241	20.0	17.0	85	80-120
Thallium	01/13/03	OCA 10241	20.0	18.6	93	80-120
Vanadium	01/13/03	OCA 10241	20.0	18.5	93	80-120
Zinc	01/13/03	OCA 10241	40.0	38.2	96	80-120

INIT_____

der #: 405097 **Client Sample ID:** HS-25-56'
Matrix: SOLID
Date Sampled: 01/08/2003
Time Sampled: 08:15

Analyte	Result	DLR	Units	Date/Analyst	
14 Perchlorate by Ion Chomatography					
Perchlorate	0.06	0.02	mg/Kg	01/13/03	BGS

der #: 405098 **Client Sample ID:** HS-26-37'
Matrix: SOLID
Date Sampled: 01/08/2003
Time Sampled: 12:20

Analyte	Result	DLR	Units	Date/Analyst	
14 Perchlorate by Ion Chomatography					
Perchlorate	0.05	0.02	mg/Kg	01/13/03	BGS

der #: 405099 **Client Sample ID:** HS-29-Water
Matrix: SOLID
Date Sampled: 01/09/2003

Analyte	Result	DLR	Units	Date/Analyst	
4 Perchlorate by Ion Chomatography					
Perchlorate	ND	0.02	mg/Kg	01/13/03	BGS

Order #: 405100 **Client Sample ID:** Laboratory Method Blank
Matrix: SOLID

Analyte	Result	DLR	Units	Date/Analyst	
4 Perchlorate by Ion Chomatography					
Perchlorate	ND	0.02	mg/Kg	01/13/03	BGS

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Page 1 or

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Miller Brooks Environmental	PROJECT NAME: Runkle Ranch
SEND REPORT TO: Elizabeth Robbins	NUMBER: 402-0002-02
ADDRESS: 2124 Main St, Ste 200	LOCATION: Simi Valley
Huntington Beach, CA 92648	ADDRESS:
	SAMPLED BY: Jennifer Canfield
PHONE: 714-960-4088 FAX: 714-960-2462	

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TPH-G/TPH-D	VOCs	SVOCs	PCBs	Tritium	Title 22 metals			REMARKS/PRECAUTIONS
Surface-1	5	1/7/03	4:30	Soil	6" ring encores		X	X	X			X			6" ring & 4 encores
Surface-2	↓	↓	5:00	↓	↓		X	X							↓
Surface-3	↓	↓	5:15	↓	↓		X	X							↓
HS-25-5'	5	1/8/03	8:15	Soil	↓		X	X	X	X		X			↓
HS-25-10'	↓	↓	8:30	↓	↓		X	X							↓
HS-25-20'	↓	↓	8:45	↓	↓		X	X							↓
HS-25-56'	4	↓	10:00	Soil/ aq	4 oz jars						X				4 jars w/ mud/soil
HS-26-5'	5	↓	11:30	Soil	6" ring encores		X	X							6" ring + 4 encores
HS-26-10'	↓	↓	11:40	↓	↓		X	X	X	X		X			↓
HS-26-30'	↓	↓	12:00	↓	↓		X	X							↓
HS-26-37'	4	↓	12:20	Soil/ aq	4 oz jars						X				4 oz jars
HS-27-5'	5	↓	13:45	Soil	6" ring encore		X	X							6" ring + 4 encores
HS-27-10'	↓	↓	4:00	↓	↓		X	X							↓
HS-27-15'	↓	↓	4:15	↓	↓		X	X	X	X		X			↓

Total No. of Samples: 68 containers / 14 samples

Method of Shipment:

Relinquished By: Jennifer Canfield Date/Time: 1/9/03

Received By: [signature] Date/Time: 1/9/03 10:15

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received For Lab By: Date/Time:

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Page 1 of 1

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION

COMPANY: Miller Brooks Environmental
SEND REPORT TO: Elizabeth Robbins
ADDRESS: 2124 Main St, Ste 200
Huntington Beach, CA 92648
PHONE: 714 960-4088 FAX: 714 960-2462

PROJECT INFORMATION

PROJECT NAME: Runkle Ranch
NUMBER: 402-0002-02
LOCATION: Simi Valley
ADDRESS:
SAMPLED BY: Jennifer Canfield

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TPH-G/D	VOCs	SVOCs	PCBs	Title 22 metals			HOLD	REMARKS/PRECAUTIONS
HS-28-15'	1	1/9/03	8:00	soil	6" ring		~~X~~	~~X~~	~~X~~					X	
Surface-4	5		8:45	soil	encores ring		X	X							
HS-29-10'	5		9:00				X	X							
HS-29-15'	1		9:20		ring									X	
HS-29-25'	5		9:30		encores ring		X	X	X	X	X				
HS-29-30'	1		9:35		ring									X	
HS-29-35'	1		9:40		ring									X	
HS-29-40'	5		10:10		encores ring		X	X							

Total No. of Samples: ~~19~~ 24 containers / 8 samples

Method of Shipment:

Relinquished By: Jennifer Canfield Date/Time: 1/9/03

Received By: [signature] Date/Time: 1/9/03 10:15

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received For Lab By: Date/Time:

Sample Integrity: (check)
Intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

Laboratory Certification (ELAP) No.: 1416 Expiration Date: 2003

Laboratory Director's Name (Print): Mark Noorani

Client: Miller Brooks Environmental

Project No.: 402-0002-02

Project Name: Runkle Ranch

Laboratory Reference: MBE 13940

Analytical Method: 8015d, 8015g, 8260, 8270, 6010, 7471, 7196, PCB's

Date Sampled: 01/09/03
Date Received: 01/10/03
Date Reported: 01/17/03

Sample Matrix: Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

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Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13940

Sampled:	—	01/09/03	01/09/03
Received:	—	01/10/03	01/10/03
Extracted:	01/13/03	01/13/03	01/13/03
Analyzed:	01/14/03	01/14/03	01/14/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	MB0113	03100030	03100031
Client Sample I.D.:	—	HS-30-5'	HS-30-10'
Dilution Factor:	1	1	1

EXTRACTABLE FUEL HYDROCARBONS - DIESEL (EPA 8015m)

	SAMPLE RESULTS		
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*
Extractable Fuel Hydrocarbons*	<8.0	<8.0	<8.0

* Extractable Fuel Hydrocarbons are quantitated against a diesel standard.
Hydrocarbons detected by this method range from C7 - C32.

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13940

Sampled:	01/09/03	01/09/03
Received:	01/10/03	01/10/03
Extracted:	01/13/03	01/13/03
Analyzed:	01/14/03	01/14/03
Reported:	01/17/03	01/17/03
Lab Sample I.D.:	03100032	03100033
Client Sample I.D.:	HS-30-15'	HS-31-15'
Dilution Factor:	1	1

EXTRACTABLE FUEL HYDROCARBONS - DIESEL (EPA 8015m)

	SAMPLE RESULTS	
ANALYTE	*mg/kg*	*mg/kg*
Extractable Fuel Hydrocarbons*	<8.0	<8.0

* Extractable Fuel Hydrocarbons are quantitated against a diesel standard. Hydrocarbons detected by this method range from C7 - C32.

INIT

Orange Coast Analytical, Inc.

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13940

Sampled:	—	01/09/03	01/09/03
Received:	—	01/10/03	01/10/03
Extracted:	01/10/03	01/10/03	01/10/03
Analyzed:	01/13/03	01/13/03	01/13/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	MB	03100030	03100031
Client Sample I.D.:	—	HS-30-5'	HS-30-10'
Dilution Factor:	1	1	1

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

	SAMPLE RESULTS		
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*
Volatile Fuel Hydrocarbons*	<5.0	<5.0	<5.0

* Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14.

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13940

Sampled:	01/09/03	01/09/03
Received:	01/10/03	01/10/03
Extracted:	01/10/03	01/10/03
Analyzed:	01/15/03	01/15/03
Reported:	01/17/03	01/17/03
Lab Sample I.D.:	03100032	03100033
Client Sample I.D.:	HS-30-15'	HS-31-15'
Dilution Factor:	1	1

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

	SAMPLE RESULTS	
ANALYTE	*mg/kg*	*mg/kg*
Volatile Fuel Hydrocarbons*	<5.0	<5.0

* Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14.

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	—	01/09/03	01/09/03
Received:	—	01/10/03	01/10/03
Extracted:	01/10/03	01/10/03	01/10/03
Analyzed:	01/10/03	01/10/03	01/10/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	MB0110	03100030	03100031
Client Sample I.D.:	—	HS-30-5'	HS-30-10'
Dilution Factor:	1	1	1

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*SAMPLE RESULTS*		
		µg/kg	*µg/kg*	*µg/kg*
Benzene	71-43-2	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	<2.5	<2.5	<2.5
Bromoform	75-25-2	<2.5	<2.5	<2.5
Bromomethane	74-83-9	<5.0	<5.0	<5.0
Carbon Disulfide	75-15-0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	<2.5	<2.5	<2.5
Chloroethane	75-00-3	<5.0	<5.0	<5.0
Chloroform	67-66-3	<2.5	<2.5	<2.5
Chloromethane	74-87-3	<5.0	<5.0	<5.0
1,1-Dichloroethane	75-34-3	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	<5.0	<5.0	<5.0
Styrene	100-42-5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	<2.5	<2.5	<2.5
Toluene	108-88-3	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	<2.5	<2.5	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	<2.5	<2.5
cis-1,2-Dichloroethene	156-59-2	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	<2.5	<2.5	<2.5

INIT

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #:	MBE 13936	*Sampled:*	—	01/09/03	01/09/03
		Received:	—	01/10/03	01/10/03
Sample Description:	Soil	*Extracted:*	01/10/03	01/10/03	01/10/03
		Analyzed:	01/10/03	01/10/03	01/10/03
Client Project ID:	Runkle Ranch	*Reported:*	01/17/03	01/17/03	01/17/03
Client Project #:	402-0002-02				
		Lab Sample I.D.:	MB0110	03100030	03100031
		Client Sample I.D.:	—	HS-30-5'	HS-30-10'
		Dilution Factor:	1	1	1

ANALYTE (con't)	*CAS NUMBER*	*SAMPLE RESULTS*		
		µg/kg	*µg/kg*	*µg/kg*
Bromochloromethane	74-97-5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	<2.5	<2.5	<2.5
1,1,1,2-Tetrachloroethane	630-20-6	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	<2.5	<2.5	<2.5
n-Propylbenzene	103-65-1	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	<2.5	<2.5	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	<2.5	<2.5	<2.5
Naphthalene	91-20-3	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	<2.5	<2.5	<2.5
MTBE	1634-04-4	<5.0	<5.0	<5.0
DIPE	108-20-3	<10	<10	<10
TAME	955-05-8	<10	<10	<10
ETBE	637-92-3	<10	<10	<10
TBA	75-65-0	<50	<50	<50
SURROGATE RECOVERY	*Acceptable %RC*	*%RC*	*%RC*	*%RC*
Dibromofluoromethane	26-196	101	105	106
Toluene-d8	31-168	99	102	99
4-Bromofluorobenzene	55-133	96	95	97

INIT ___

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13936

Sampled:	01/09/03	01/09/03
Received:	01/10/03	01/10/03
Extracted:	01/10/03	01/10/03
Analyzed:	01/10/03	01/10/03
Reported:	01/17/03	01/17/03
Lab Sample I.D.:	03100032	03100033
Client Sample I.D.:	HS-30-15'	HS-31-15'
Dilution Factor:	1	1

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*SAMPLE RESULTS*	
		µg/kg	*µg/kg*
Benzene	71-43-2	<2.5	<2.5
Bromodichloromethane	75-27-4	<2.5	<2.5
Bromoform	75-25-2	<2.5	<2.5
Bromomethane	74-83-9	<5.0	<5.0
Carbon Disulfide	75-15-0	<5.0	<5.0
Carbon tetrachloride	56-23-5	<2.5	<2.5
Chlorobenzene	108-90-7	<2.5	<2.5
Chlorodibromomethane	124-48-1	<2.5	<2.5
Chloroethane	75-00-3	<5.0	<5.0
Chloroform	67-66-3	<2.5	<2.5
Chloromethane	74-87-3	<5.0	<5.0
1,1-Dichloroethane	75-34-3	<2.5	<2.5
1,2-Dichloroethane	107-06-2	<2.5	<2.5
1,1-Dichloroethene	75-35-4	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	<2.5	<2.5
Ethylbenzene	100-41-4	<2.5	<2.5
Methylene chloride	75-09-2	<5.0	<5.0
Styrene	100-42-5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	<2.5	<2.5
Tetrachloroethene	127-18-4	<2.5	<2.5
Toluene	108-88-3	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	<2.5	<2.5
Trichloroethene	79-01-6	<2.5	<2.5
Trichlorofluoromethane	75-69-4	<5.0	<5.0
Vinyl acetate	108-05-4	<5.0	<5.0
Vinyl chloride	75-01-4	<2.5	<2.5
Total Xylenes	1330-20-7	<2.5	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	<2.5
cis-1,2-Dichloroethene	156-59-2	<2.5	<2.5
2,2-Dichloropropane	594-20-7	<2.5	<2.5

INIT_____

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #:	MBE 13936	***Sampled:***	01/09/03	01/09/03
		Received:	01/10/03	01/10/03
Sample Description:	Soil	***Extracted:***	01/10/03	01/10/03
		Analyzed:	01/10/03	01/10/03
Client Project ID:	Runkle Ranch	***Reported:***	01/17/03	01/17/03
Client Project #:	402-0002-02			
		Lab Sample I.D.:	03100032	03100033
		Client Sample I.D.:	HS-30-15'	HS-31-15'
		Dilution Factor:	1	1

ANALYTE (con't)	***CAS NUMBER***	***SAMPLE RESULTS***	
		µg/kg	***µg/kg***
Bromochloromethane	74-97-5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	<2.5	<2.5
Dibromomethane	74-95-3	<2.5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	<2.5
1,3-Dichloropropane	142-28-9	<2.5	<2.5
Isopropylbenzene	98-82-8	<2.5	<2.5
1,1,1,2-Tetrachloroethane	630-20-6	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	<2.5	<2.5
Bromobenzene	108-86-1	<2.5	<2.5
n-Propylbenzene	103-65-1	<2.5	<2.5
2-Chlorotoluene	95-49-8	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	<2.5	<2.5
4-Chlorotoluene	106-43-4	<2.5	<2.5
tert-Butylbenzene	98-06-6	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	<2.5	<2.5
sec-Butylbenzene	135-98-8	<2.5	<2.5
4-Isopropyltoluene	99-87-6	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	<2.5
n-Butylbenzene	104-51-8	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	<2.5	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	<2.5	<2.5
Hexachlorobutadiene	87-68-3	<2.5	<2.5
Naphthalene	91-20-3	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	<2.5	<2.5
MTBE	1634-04-4	<5.0	<5.0
DIPE	108-20-3	<10	<10
TAME	955-05-8	<10	<10
ETBE	637-92-3	<10	<10
TBA	75-65-0	<50	<50

SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***
Dibromofluoromethane	26-196	107	108
Toluene-d8	31-168	98	98
4-Bromofluorobenzene	55-133	94	95

INIT_____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sampled:	—	01/09/03	01/09/03
Received:	—	01/10/03	01/10/03
Extracted:	01/10/03	01/10/03	01/10/03
Analyzed:	01/13/03	01/13/03	01/13/03
Reported:	01/17/03	01/17/03	01/17/03

Sample Description: Soil

Laboratory Reference #: MBE 13936

Lab Sample I.D.:	MB	03100032	03100033
Client Sample I.D.:	—	HS-30-15'	HS-31-15'
Dilution Factor:	1	1	1

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	SAMPLE RESULTS		
		µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	<100	<100	<100
Acenaphthylene	208-96-8	<100	<100	<100
Aniline	62-53-3	<100	<100	<100
Anthracene	120-12-7	<100	<100	<100
Benzoic acid	65-85-0	<1000	<1000	<1000
Benzo (a) anthracene	56-55-3	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	<250	<250	<250
Benzo (k) fluoranthene	207-08-9	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	<250	<250	<250
Benzo (a) pyrene	50-32-8	<250	<250	<250
Benzyl alcohol	100-51-6	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	<100	<100	<100
Butyl benzyl phthalate	85-68-7	<100	<100	<100
4-Chloroaniline	106-47-8	<100	<100	<100
2-Chloronaphthalene	91-58-7	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	<100	<100	<100
2-Chlorophenol	95-57-8	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	<100	<100	<100
Chrysene	218-01-9	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	<100	<100	<100
Dibenzofuran	132-64-9	<100	<100	<100
Di-n-butyl phthalate	84-74-2	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	<100	<100	<100
2,4-Dichlorophenol	120-83-2	<100	<100	<100
Diethyl phthalate	84-66-2	<100	<100	<100
2,4-Dimethylphenol	105-67-9	<100	<100	<100
Dimethyl phthalate	131-11-3	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	<1000	<1000	<1000
2,4-Dinitrophenol	51-28-5	<1000	<1000	<1000
2,4-Dinitrotoluene	121-14-2	<250	<250	<250

INIT ____

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #:	MBE 13936	***Sampled:***	—	01/09/03	01/09/03
		Received:	—	01/10/03	01/10/03
Sample Description:	Soil	***Extracted:***	01/10/03	01/10/03	01/10/03
		Analyzed:	01/13/03	01/13/03	01/13/03
Client Project ID:	Runkle Ranch	***Reported:***	01/17/03	01/17/03	01/17/03
Client Project #:	402-0002-02				
		Lab Sample I.D.:	MB	03100032	03100033
		Client Sample I.D.:	—	HS-30-15'	HS-31-15'
		Dilution Factor:	1	1	1

ANALYTE (con't)	***CAS NUMBER***	***SAMPLE RESULTS***		
		µg/kg	***µg/kg***	***µg/kg***
2,6-Dinitrotoluene	606-20-2	<250	<250	<250
Di-n-octyl phthalate	117-84-0	<250	<250	<250
Fluoranthene	206-44-0	<100	<100	<100
Fluorene	86-73-7	<100	<100	<100
Hexachlorobenzene	118-74-1	<100	<100	<100
Hexachlorobutadiene	87-68-3	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	<500	<500	<500
Hexachloroethane	67-72-1	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	<250	<250	<250
Isophorone	78-59-1	<100	<100	<100
2-Methylnaphthalene	91-57-6	<100	<100	<100
2-Methylphenol	95-48-7	<100	<100	<100
3 & 4-Methylphenol	108-39-4,106-44-5	<100	<100	<100
Naphthalene	91-20-3	<100	<100	<100
2-Nitroaniline	88-74-4	<250	<250	<250
3-Nitroaniline	99-09-2	<250	<250	<250
4-Nitroaniline	100-01-6	<250	<250	<250
Nitrobenzene	98-95-3	<100	<100	<100
2-Nitrophenol	88-75-5	<100	<100	<100
4-Nitrophenol	100-02-7	<1000	<1000	<1000
N-Nitrosodiphenylamine	86-30-6	<100	<100	<100
N-Nitrosodipropylamine	621-64-7	<100	<100	<100
N-Nitrosodimethylamine	62-75-9	<100	<100	<100
Pentachlorophenol	87-86-5	<1000	<1000	<1000
Phenanthrene	85-01-8	<100	<100	<100
Phenol	108-95-2	<100	<100	<100
Pyrene	129-00-0	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	<100	<100	<100
2,4,5-Trichlorophenol	95-95-4	<100	<100	<100
2,4,6-Trichlorophenol	88-06-2	<100	<100	<100

SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***	***%RC***
2-Fluorophenol	11 - 135	69	75	77
Phenol-d6	18 - 134	71	70	83
Nitrobenzene-d5	27 - 146	95	91	93
2-Fluorobiphenyl	29 - 159	83	82	94
2,4,6-Tribromophenol	20 - 136	79	86	80
Terphenyl-d14	24 - 186	82	81	96

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13940

Sampled:	—	01/09/03	01/09/03
Received:	—	01/10/03	01/10/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:			
Client Sample I.D.:	MB	03100032	03100033
	—	HS-30-15'	HS-31-15'

CCR METALS

ANALYTE	*DATE TESTED*	*EPA METHOD*	*SAMPLE RESULTS*		
			mg/kg	*mg/kg*	*mg/kg*
Antimony	01/13/03	6010	<5.0	<5.0	<5.0
Arsenic	01/13/03	6010	<1.0	1.3	1.1
Barium	01/13/03	6010	<0.5	64	64
Beryllium	01/13/03	6010	<0.5	<0.5	<0.5
Cadmium	01/13/03	6010	<0.5	<0.5	<0.5
Chromium (VI)	01/16/03	7196	<0.5	<0.5	<0.5
Chromium (Total)	01/13/03	6010	<0.5	16	14
Cobalt	01/13/03	6010	<0.5	6.4	7.4
Copper	01/13/03	6010	<0.5	8.9	16
Lead	01/13/03	6010	<1.0	3.8	4.1
Mercury	01/14/03	7471	<0.1	<0.1	<0.1
Molybdenum	01/13/03	6010	<1.0	<1.0	<1.0
Nickel	01/13/03	6010	<0.5	1.2	9.7
Selenium	01/13/03	6010	<5.0	<5.0	<5.0
Silver	01/13/03	6010	<0.5	0.91	0.94
Thallium	01/13/03	6010	<5.0	<5.0	<5.0
Vanadium	01/13/03	6010	<0.5	41	41
Zinc	01/13/03	6010	<0.5	51	54

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13940

Sampled:	—	01/09/03	01/09/03
Received:	—	01/10/03	01/10/03
Extracted:	01/13/03	01/13/03	01/13/03
Analyzed:	01/13/03	01/13/03	01/13/03
Reported:	01/17/03	01/17/03	01/17/03
Lab Sample I.D.:	MB0113	03100032	03100033
Client Sample I.D.:	—	HS-30-15'	HS-31-15'
Dilution Factor:	1	1	1

POLYCHLORINATED BIPHENYL'S (EPA 8082)

ANALYTE	*CAS NUMBER*	*SAMPLE RESULTS*		
		µg/kg	*µg/kg*	*µg/kg*
PCB-1016	12674-11-2	<25	<25	<25
PCB-1221	111104-28-2	<25	<25	<25
PCB-1232	11141-16-5	<25	<25	<25
PCB-1242	53469-21-9	<25	<25	<25
PCB-1248	12672-29-6	<25	<25	<25
PCB-1254	11097-69-1	<25	<25	<25
PCB-1260	11096-82-5	<25	<25	<25

SURROGATE RECOVERY	*Acceptable %RC*	*%RC*	*%RC*	*%RC*
Decachlorobiphenyl	55-139	99	97	88

INIT

QA/QC REPORT
for
Extractable Fuel Hydrocarbons (8015m)
Reporting units: ppm

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 01/14/03
Laboratory Sample No : 03010040
Laboratory Reference No : MBE 13940

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*% MS*	*% MSD*	*RPD*	*ACP %MS*	*ACP RPD*
Extractable Fuel Hydrocarbons	0.0	100	101	84	101	84	18	42-126	31

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery Of MS: {(MS-R1) / SP} x100
% MSD	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %MS(MSD)	Acceptable Range of Percent
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 01/15/03
Laboratory Standard No : OCA9840

Analyte	*SP CONC*	*RESULTS*	*% RECOVERY*	*ACCEPTABLE %*
Extractable Fuel Hydrocarbons	100	98	98	44-110

INIT_____

QA/QC REPORT
for
Volatile Fuel Hydrocarbons (8015m)
Reporting units: ppm

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 01/13/03
Laboratory Sample No : 03010009
Laboratory Reference No : MBE 13940

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*% MS*	*% MSD*	*RPD*	*ACP %MS*	*ACP RPD*
Volatile Fuel Hydrocarbons	0.0	12.5	13.0	12.7	104	102	2	35-137	31

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery Of MS: {(MS-R1) / SP} x100
% MSD	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %MS(MSD)	Acceptable Range of Percent
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 01/13/03
Laboratory Standard No : OCA9989

Analyte	*SP CONC*	*RESULTS*	*% RECOVERY*	*ACCEPTABLE %*
Volatile Fuel Hydrocarbons	12.5	12.8	102	62-128

INIT ___

QA/QC REPORT
for
Volatile Fuel Hydrocarbons (8015m)
Reporting units: ppm

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 01/15/03
Laboratory Sample No : 03010047
Laboratory Reference No : MBE 13940

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*% MS*	*% MSD*	*RPD*	*ACP %MS*	*ACP RPD*
Volatile Fuel Hydrocarbons	0.0	12.5	11.7	11.8	94	94	1	35-137	31

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery Of MS: {(MS-R1) / SP} x100
% MSD	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %MS(MSD)	Acceptable Range of Percent
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 01/15/03
Laboratory Standard No : OCA9989

Analyte	*SP CONC*	*RESULTS*	*% RECOVERY*	*ACCEPTABLE %*
Volatile Fuel Hydrocarbons	12.5	11.9	95	62-128

INIT

QA/QC REPORT
for
Polychlorinated Biphenyl's (EPA 8082)
Reporting units: ppb

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 01/13/03
Laboratory Sample No : 03010032
Laboratory Reference No : MBE 13940

Analyte	R1	SP CONC	MS	MSD	%MS	%MSD	RPD	ACP%	ACP RPD
PCB-1016	0.0	250	220	230	88	92	4	56-148	22
PCB-1260	0.0	250	200	230	80	92	14	56-154	22

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery of MS: {(MS-R1) / SP} x 100
% MSD	Percent Recovery of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %	Acceptable Range of Percent for MS/MSD
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 01/13/03
Laboratory Standard No : OCA 9889

Analyte	SP CONC	Results	% Recovery	ACP %
PCB-1016	250	320	128	78-129
PCB-1260	250	290	116	61-150

INIT_____

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)
Reporting Units: ppb

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 01/10/03
Laboratory Sample No : 03010034
Laboratory Reference No : MBE 13940

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
1,1-Dichloroethene	0.0	50	55	58	110	116	5	59-139	21
Benzene	0.0	50	53	53	106	106	0	70-120	11
Trichloroethene	0.0	50	56	57	112	114	2	55-134	19
Toluene	0.0	50	55	57	110	114	4	74-120	12
Chlorobenzene	0.0	50	53	54	106	108	2	81-121	9

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery of MS: {(MS-R1) / SP} x 100
% MSD	Percent Recovery of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %	Acceptable Range of Percent for MS/MSD
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 01/10/03
Laboratory Standard No : OCA 10224

Analyte	*SP CONC*	*Results*	*% Recovery*	*ACP %*
1,1-Dichloroethene	50	53	106	65-125
Benzene	50	50	100	74-107
Trichloroethene	50	53	106	74-112
Toluene	50	53	106	74-122
Chlorobenzene	50	51	102	81-122

INIT ____

QA/QC REPORT
for
Semi-Volatile Organic Compounds (EPA 8270C)
Reporting Units: ng

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 01/13/03
Laboratory Sample No : 03010011
Laboratory Reference No : MBE 13940

Analyte	R1	SP CONC	MS	MSD	%MS	%MSD	RPD	ACP%	ACP RPD
Phenol	0.0	100	90	80	90	80	12	42-111	25
2-Chlorophenol	0.0	100	93	91	93	91	2	52-121	25
1,4-Dichlorobenzene	0.0	50	43	42	86	84	2	46-110	21
N-Nitrosodipropylamine	0.0	50	48	48	96	96	0	33-120	26
1,2,4-Trichlorobenzene	0.0	50	47	46	94	92	2	44-114	21
4-Chloro-3-methylphenol	0.0	100	96	100	96	100	4	36-127	21
Acenaphthene	0.0	50	42	43	84	86	2	50-122	20
Pentachlorophenol	0.0	100	98	104	98	104	6	8-135	23
Pyrene*	0.0	50	43	53	86	106	21	39-149	20

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery of MS: {(MS-R1) / SP} x 100
% MSD	Percent Recovery of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %	Acceptable Range of Percent for MS/MSD
ACP RPD	Acceptable Relative Percent Difference
*	MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria

2. Laboratory Control Sample

Date of Analysis : 1/13/03
Laboratory Standard No : OCA8892, OCA8893

Analyte	SP CONC	Results	% Recovery	ACP %
Phenol	100	87	87	45-101
2-Chlorophenol	100	81	81	49-115
1,4-Dichlorobenzene	50	39	78	49-108
N-Nitrosodipropylamine	50	40	80	44-114
1,2,4-Trichlorobenzene	50	45	90	49-109
4-Chloro-3-methylphenol	100	90	90	50-112
Acenaphthene	50	43	86	47-119
Pentachlorophenol	100	94	94	17-114
Pyrene	50	40	80	45-128

INIT

QA/QC REPORT
for Metals
Reporting units: ppm

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)
Laboratory Reference No : MBE 13940

Analyte	*Date Tested*	*QC Sample*	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
Antimony*	01/13/03	03010011	0.0	20.0	7.65	8.07	38	40	5	75-125	20
Arsenic	01/13/03	03010011	0.0	20.0	18.3	18.9	92	95	3	75-125	20
Barium	01/13/03	03010011	34	40.0	73.8	73.8	100	100	0	75-125	20
Beryllium	01/13/03	03010011	0.0	10.0	9.76	9.91	98	99	2	75-125	20
Cadmium	01/13/03	03010011	0.0	10.0	9.18	9.44	92	94	3	75-125	20
Chromium (Total)	01/13/03	03010011	8.1	20.0	30.7	26.4	113	92	15	75-125	20
Chromium (VI)	01/16/03	03010021	0.0	5.00	4.81	4.76	96	95	1	80-120	15
Cobalt	01/13/03	03010011	5.5	20.0	23.2	23.7	89	91	2	75-125	20
Copper	01/13/03	03010011	17	20.0	37.7	39.8	104	114	5	75-125	20
Lead	01/13/03	03010011	3.5	20.0	20.6	21.1	86	88	2	75-125	20
Mercury	01/14/03	03010011	0.0	1.00	1.07	1.07	107	107	0	80-120	15
Molybdenum	01/13/03	03010011	0.0	20.0	16.6	17.1	83	86	3	75-125	20
Nickel	01/13/03	03010011	8.4	20.0	27.1	25.9	94	88	5	75-125	20
Selenium	01/13/03	03010011	0.0	20.0	17.1	17.9	86	90	5	75-125	20
Silver	01/13/03	03010011	0.64	20.0	17.5	17.9	84	86	2	75-125	20
Thallium	01/13/03	03010011	0.0	20.0	16.6	16.4	83	82	1	75-125	20
Vanadium	01/13/03	03010011	27	20.0	46.2	46.0	96	95	0	75-125	20
Zinc	01/13/03	03010011	41	40.0	78.5	80.0	94	98	2	75-125	20

Definition of Terms :

R1	Result of QC Sample
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery of MS: {(MS-R1) / SP} x 100
% MSD	Percent Recovery of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %	Acceptable Range of Percent for MS/MSD
ACP RPD	Acceptable Relative Percent Difference
*	Matrix spike recovery was low, the method control sample recovery was acceptable.

2. Laboratory Control Sample

Analyte	*Date Tested*	*Spike Standard ID*	*SP CONC*	*Results*	*% Recovery*	*ACP %*
Antimony	01/13/03	OCA 10241	20.0	18.9	95	80-120
Arsenic	01/13/03	OCA 10241	20.0	18.9	95	80-120
Barium	01/13/03	OCA 10241	40.0	37.8	95	80-120
Beryllium	01/13/03	OCA 10241	10.0	9.65	97	80-120
Cadmium	01/13/03	OCA 10241	10.0	9.48	95	80-120
Chromium (Total)	01/13/03	OCA 10241	20.0	18.5	93	80-120
Chromium (VI)	01/16/03	OCA 9771	5.00	4.79	96	80-120
Cobalt	01/13/03	OCA 10241	20.0	18.9	95	80-120
Copper	01/13/03	OCA 10241	20.0	18.9	95	80-120
Lead	01/13/03	OCA 10241	20.0	18.6	93	80-120
Mercury	01/13/03	OCA 10041	1.00	1.08	108	80-120
Molybdenum	01/13/03	OCA 10241	20.0	18.6	93	80-120
Nickel	01/13/03	OCA 10241	20.0	18.8	94	80-120
Selenium	01/13/03	OCA 10241	20.0	19.4	97	80-120
Silver	01/13/03	OCA 10241	20.0	17.0	85	80-120
Thallium	01/13/03	OCA 10241	20.0	18.6	93	80-120
Vanadium	01/13/03	OCA 10241	20.0	18.5	93	80-120
Zinc	01/13/03	OCA 10241	40.0	38.2	96	80-120

INIT_____

Lab ID: ___ Page 1 of 1

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION

COMPANY: Miller Brooks Env.
SEND REPORT TO: Elizabeth Robbins
ADDRESS: 2124 Main St, Ste 200
Huntington Beach, CA 92648
PHONE: 714960-4088 FAX: 714960-2462

PROJECT INFORMATION

PROJECT NAME: Runkle Ranch
NUMBER: 402-0002-02
LOCATION: Simi Valley
ADDRESS:
SAMPLED BY: Jennifer Canfield

ANALYSIS/METHOD REQUEST: Petroleum TPH-G/D, VOCs, SVOCs, Title 22 metals, PCBs

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Petroleum	TPH-G/D	VOCs	SVOCs	Title 22 metals	PCBs		REMARKS/PRECAUTIONS
HS-29-Water	5	1/8/03		aq.	40z jars		X							
HS-30-5'	↓	↓	11:45	soil	ring encls			X	X	X	X	X	SC	
HS-30-10'			11:50	↓				X	X					
HS-30-15'			12:10					X	X	X	X	X		
HS-31-5'	↓	↓	1:50	↓				X	X	X	X	X		

Total No. of Samples: 25 containers / 5 samples

Method of Shipment:

Relinquished By: Jennifer Canfield Date/Time: 01/10/03 8:45

Received By: [signature] Date/Time: 10/10/03 8:45

Reporting Format: (check)
NORMAL ___ S.D. HMMD ___
RWQCB ___ OTHER ___

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received For Lab By: Date/Time:

Sample Integrity: (check)
Intact ___ on ice ___

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

Laboratory Certification (ELAP) No.: 1416 Expiration Date: 2003

Laboratory Director's Name (Print) : Mark Noorani

Client: Miller Brooks Environmental

Project No.: 402-0002-02

Project Name: Runkle Ranch

Laboratory Reference: MBE 13986

Analytical Method: 8015d, 8015g, 8260, 6010, 7471, 7196

Date Sampled: 02/05/03
Date Received: 02/06/03
Date Reported: 02/17/03

Sample Matrix: Soil, Water

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

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Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Road
Client Project #: 402-0002-02

Sampled:	—	02/05/03
Received:	—	02/06/03
Analyzed:	02/14/03	02/14/03
Reported:	02/17/03	02/17/03

Sample Description: Water

Laboratory Reference #: MBE 13986

Lab Sample I.D.:	MB	03020089
Client Sample I.D.:	—	Well-1
Dilution Factor:	1	1

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*SAMPLE RESULTS*	
		µg/l	*µg/l*
Benzene	71-43-2	<0.5	<0.5
Bromodichloromethane	75-27-4	<1.0	<1.0
Bromoform	75-25-2	<0.5	<0.5
Bromomethane	74-83-9	<5.0	<5.0
Carbon Disulfide	75-15-0	<0.5	<0.5
Carbon tetrachloride	56-23-5	<0.5	<0.5
Chlorobenzene	108-90-7	<0.5	<0.5
Chlorodibromomethane	124-48-1	<0.5	<0.5
Chloroethane	75-00-3	<5.0	<5.0
Chloroform	67-66-3	<0.5	<0.5
Chloromethane	74-87-3	<5.0	<5.0
1,1-Dichloroethane	75-34-3	<0.5	<0.5
1,2-Dichloroethane	107-06-2	<0.5	<0.5
1,1-Dichloroethene	75-35-4	<1.0	<1.0
trans-1,2-Dichloroethene	156-60-5	<0.5	<0.5
1,2-Dichloropropane	78-87-5	<0.5	<0.5
cis-1,3-Dichloropropene	10061-01-5	<0.5	<0.5
trans-1,3-Dichloropropene	10061-02-6	<0.5	<0.5
Ethylbenzene	100-41-4	<0.5	<0.5
Methylene chloride	75-09-2	<5.0	<5.0
Styrene	100-42-5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	79-34-5	<0.5	<0.5
Tetrachloroethene	127-18-4	<0.5	<0.5
Toluene	108-88-3	<0.5	<0.5
1,1,1-Trichloroethane	71-55-6	<0.5	<0.5
1,1,2-Trichloroethane	79-00-5	<0.5	<0.5
Trichloroethene	79-01-6	<0.5	<0.5
Trichlorofluoromethane	75-69-4	<2.0	<2.0
Vinyl acetate	108-05-4	<5.0	<5.0
Vinyl chloride	75-01-4	<1.0	<1.0
Total Xylenes	1330-20-7	<1.0	<1.0
Dichlorodifluoromethane	75-71-8	<2.0	<2.0
cis-1,2-Dichloroethene	156-59-2	<0.5	<0.5
2,2-Dichloropropane	594-20-7	<0.5	<0.5

INIT

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #:	MBE 13986			
		Sampled:	—	02/05/03
Sample Description:	Water	***Received:***	—	02/06/03
		Analyzed:	02/14/03	02/14/03
Client Project ID:	Runkle Road	***Reported:***	02/17/03	02/17/03
Client Project #:	402-0002-02			
		Lab Sample I.D.:	MB	03020089
		Client Sample I.D.:	—	Well-1
		Dilution Factor:	1	1

ANALYTE (con't)	***CAS NUMBER***	***SAMPLE RESULTS***	
		µg/l	***µg/l***
Bromochloromethane	74-97-5	<0.5	<0.5
1,1-Dichloropropene	563-58-6	<0.5	<0.5
Dibromomethane	74-95-3	<0.5	<0.5
1,2-Dibromoethane	106-93-4	<0.5	<0.5
1,3-Dichloropropane	142-28-9	<0.5	<0.5
Isopropylbenzene	98-82-8	<0.5	<0.5
1,1,1,2-Tetrachloroethane	630-20-6	<0.5	<0.5
1,2,3-Trichloropropane	96-18-4	<0.5	<0.5
Bromobenzene	108-86-1	<0.5	<0.5
n-Propylbenzene	103-65-1	<0.5	<0.5
2-Chlorotoluene	95-49-8	<0.5	<0.5
1,3,5-Trimethylbenzene	108-67-8	<0.5	<0.5
4-Chlorotoluene	106-43-4	<0.5	<0.5
tert-Butylbenzene	98-06-6	<0.5	<0.5
1,2,4-Trimethylbenzene	95-63-6	<0.5	<0.5
sec-Butylbenzene	135-98-8	<0.5	<0.5
4-Isopropyltoluene	99-87-6	<0.5	<0.5
1,3-Dichlorobenzene	541-73-1	<0.5	<0.5
1,4-Dichlorobenzene	106-46-7	<0.5	<0.5
n-Butylbenzene	104-51-8	<0.5	<0.5
1,2-Dichlorobenzene	95-50-1	<0.5	<0.5
1,2-Dibromo-3-chloropropane	96-12-8	<1.0	<1.0
1,2,4-Trichlorobenzene	120-82-1	<0.5	<0.5
Hexachlorobutadiene	87-68-3	<0.5	<0.5
Naphthalene	91-20-3	<0.5	<0.5
1,2,3-Trichlorobenzene	87-61-6	<0.5	<0.5
MTBE	1634-04-4	<1.0	<1.0
DIPE	108-20-3	<2.0	<2.0
TAME	955-05-8	<2.0	<2.0
ETBE	637-92-3	<2.0	<2.0
TBA	75-65-0	<20	<20

SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***
Dibromofluoromethane	49 - 160	87	104
Toluene-d8	61 - 140	90	87
4-Bromofluorobenzene	41 - 170	85	74

INIT_____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Road
Client Project #: 402-0002-02

Sampled:	—	02/05/03
Received:	—	02/06/03
Extracted:	02/13/03	02/13/03
Analyzed:	02/13/03	02/13/03
Reported:	02/17/03	02/17/03

Sample Description: Water

Laboratory Reference #: MBE 13986

Lab Sample I.D.:	MB	03020089
Client Sample I.D.:	—	Well-1
Dilution Factor:	1	1

EXTRACTABLE FUEL HYDROCARBONS - DIESEL (EPA 8015m)

	SAMPLE RESULTS	
ANALYTE	*mg/l*	*mg/l*
Extractable Fuel Hydrocarbons*	<0.5	<0.5

* Extractable Fuel Hydrocarbons are quantitated against a diesel standard.

INIT

Orange Coast Analytical, Inc.

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Road
Client Project #: 402-0002-02

Sampled:	—	02/05/03
Received:	—	02/06/03
Analyzed:	02/10/03	02/10/03
Reported:	02/17/03	02/17/03

Sample Description: Water

Laboratory Reference #: MBE 13986

Lab Sample I.D.:	MB	03020089
Client Sample I.D.:	—	Well-1
Dilution Factor:	1	1

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

	SAMPLE RESULTS	
ANALYTE	*µg/l*	*µg/l*
Volatile Fuel Hydrocarbons*	<50	<50

* Volatile Fuel Hydrocarbons are quantitated against a gasoline standard.

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13986

Sampled:	—	02/05/03	02/05/03
Received:	—	02/06/03	02/06/03
Extracted:	02/12/03	02/12/03	02/12/03
Analyzed:	02/12/03	02/12/03	02/12/03
Reported:	02/17/03	02/17/03	02/17/03
Lab Sample I.D.:	MB	03020085	03020086
Client Sample I.D.:	—	DS-1	DS-2
Dilution Factor:	1	1	1

EXTRACTABLE FUEL HYDROCARBONS - DIESEL (EPA 8015m)

	SAMPLE RESULTS		
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*
Extractable Fuel Hydrocarbons*	<8.0	40	21

* Extractable Fuel Hydrocarbons are quantitated against a diesel standard.

INIT

Orange Coast Analytical, Inc.

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13986

Sampled:	02/05/03	02/05/03
Received:	02/06/03	02/06/03
Extracted:	02/12/03	02/12/03
Analyzed:	02/12/03	02/12/03
Reported:	02/17/03	02/17/03
Lab Sample I.D.:	03020087	03020088
Client Sample I.D.:	DS-3	DS-4
Dilution Factor:	1	1

EXTRACTABLE FUEL HYDROCARBONS - DIESEL (EPA 8015m)

	SAMPLE RESULTS	
ANALYTE	*mg/kg*	*mg/kg*
Extractable Fuel Hydrocarbons*	37	19

* Extractable Fuel Hydrocarbons are quantitated against a diesel standard.

INIT ____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13986

Sampled:	—	02/05/03	02/05/03
Received:	—	02/06/03	02/06/03
Extracted:	02/07/03	02/07/03	02/07/03
Analyzed:	02/07/03	02/07/03	02/07/03
Reported:	02/17/03	02/17/03	02/17/03
Lab Sample I.D.:	MB0207	03020085	03020086
Client Sample I.D.:	—	DS-1	DS-2
Dilution Factor:	1	1	1

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

	SAMPLE RESULTS		
ANALYTE	*mg/kg*	*mg/kg*	*mg/kg*
Volatile Fuel Hydrocarbons*	<5.0	<5.0	<5.0

* Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14.

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13986

Sampled:	02/05/03	02/05/03
Received:	02/06/03	02/06/03
Extracted:	02/07/03	02/07/03
Analyzed:	02/07/03	02/07/03
Reported:	02/17/03	02/17/03
Lab Sample I.D.:	03020087	03020088
Client Sample I.D.:	DS-3	DS-4
Dilution Factor:	1	1

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

	SAMPLE RESULTS	
ANALYTE	*mg/kg*	*mg/kg*
Volatile Fuel Hydrocarbons*	<5.0	<5.0

* Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14.

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13986

Sampled:	—	02/05/03	02/05/03
Received:	—	02/06/03	02/06/03
Extracted:	02/06/03	02/06/03	02/06/03
Analyzed:	02/06/03	02/06/03	02/06/03
Reported:	02/17/03	02/17/03	02/17/03
Lab Sample I.D.:	MB0206	03020085	03020086
Client Sample I.D.:	—	DS-1	DS-2
Dilution Factor:	1	1	1

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*SAMPLE RESULTS*		
		µg/kg	*µg/kg*	*µg/kg*
Benzene	71-43-2	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	<2.5	<2.5	<2.5
Bromoform	75-25-2	<2.5	<2.5	<2.5
Bromomethane	74-83-9	<5.0	<5.0	<5.0
Carbon Disulfide	75-15-0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	<2.5	<2.5	<2.5
Chloroethane	75-00-3	<5.0	<5.0	<5.0
Chloroform	67-66-3	<2.5	<2.5	<2.5
Chloromethane	74-87-3	<5.0	<5.0	<5.0
1,1-Dichloroethane	75-34-3	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	<5.0	<5.0	<5.0
Styrene	100-42-5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	<2.5	<2.5	<2.5
Toluene	108-88-3	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	<2.5	<2.5	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	<2.5	<2.5
cis-1,2-Dichloroethene	156-59-2	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	<2.5	<2.5	<2.5

INIT

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #:	MBE 13986	***Sampled:***	—	02/05/03	02/05/03
		Received:	—	02/06/03	02/06/03
Sample Description:	Soil	***Extracted:***	02/06/03	02/06/03	02/06/03
		Analyzed:	02/06/03	02/06/03	02/06/03
Client Project ID:	Runkle Ranch	***Reported:***	02/17/03	02/17/03	02/17/03
Client Project #:	402-0002-02				
		Lab Sample I.D.:	MB0206	03020085	03020086
		Client Sample I.D.:	—	DS-1	DS-2
		Dilution Factor:	1	1	1

ANALYTE (con't)	***CAS NUMBER***	***SAMPLE RESULTS***		
		µg/kg	***µg/kg***	***µg/kg***
Bromochloromethane	74-97-5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	<2.5	<2.5	<2.5
1,1,1,2-Tetrachloroethane	630-20-6	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	<2.5	<2.5	<2.5
n-Propylbenzene	103-65-1	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	<2.5	<2.5	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	<2.5	<2.5	<2.5
Naphthalene	91-20-3	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	<2.5	<2.5	<2.5
MTBE	1634-04-4	<5.0	<5.0	<5.0
DIPE	108-20-3	<10	<10	<10
TAME	955-05-8	<10	<10	<10
ETBE	637-92-3	<10	<10	<10
TBA	75-65-0	<50	<50	<50

SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***	***%RC***
Dibromofluoromethane	26-196	89	114	111
Toluene-d8	31-168	90	101	96
4-Bromofluorobenzene	55-133	76	62	67

INIT m.n.

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sampled:	02/05/03	02/05/03
Received:	02/06/03	02/06/03
Extracted:	02/06/03	02/06/03
Analyzed:	02/06/03	02/06/03
Reported:	02/17/03	02/17/03

Sample Description: Soil

Laboratory Reference #: MBE 13986

Lab Sample I.D.:	03020087	03020088
Client Sample I.D.:	DS-3	DS-4
Dilution Factor:	1	1

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*SAMPLE RESULTS*	
		µg/kg	*µg/kg*
Benzene	71-43-2	<2.5	<2.5
Bromodichloromethane	75-27-4	<2.5	<2.5
Bromoform	75-25-2	<2.5	<2.5
Bromomethane	74-83-9	<5.0	<5.0
Carbon Disulfide	75-15-0	<5.0	<5.0
Carbon tetrachloride	56-23-5	<2.5	<2.5
Chlorobenzene	108-90-7	<2.5	<2.5
Chlorodibromomethane	124-48-1	<2.5	<2.5
Chloroethane	75-00-3	<5.0	<5.0
Chloroform	67-66-3	<2.5	<2.5
Chloromethane	74-87-3	<5.0	<5.0
1,1-Dichloroethane	75-34-3	<2.5	<2.5
1,2-Dichloroethane	107-06-2	<2.5	<2.5
1,1-Dichloroethene	75-35-4	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	<2.5	<2.5
Ethylbenzene	100-41-4	<2.5	<2.5
Methylene chloride	75-09-2	<5.0	<5.0
Styrene	100-42-5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	<2.5	<2.5
Tetrachloroethene	127-18-4	<2.5	<2.5
Toluene	108-88-3	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	<2.5	<2.5
Trichloroethene	79-01-6	<2.5	<2.5
Trichlorofluoromethane	75-69-4	<5.0	<5.0
Vinyl acetate	108-05-4	<5.0	<5.0
Vinyl chloride	75-01-4	<2.5	<2.5
Total Xylenes	1330-20-7	<2.5	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	<2.5
cis-1,2-Dichloroethene	156-59-2	<2.5	<2.5
2,2-Dichloropropane	594-20-7	<2.5	<2.5

INIT ____

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #:	MBE 13986	***Sampled:***	02/05/03	02/05/03
		Received:	02/06/03	02/06/03
Sample Description:	Soil	***Extracted:***	02/06/03	02/06/03
		Analyzed:	02/06/03	02/06/03
Client Project ID:	Runkle Ranch	***Reported:***	02/17/03	02/17/03
Client Project #:	402-0002-02			
		Lab Sample I.D.:	03020087	03020088
		Client Sample I.D.:	DS-3	DS-4
		Dilution Factor:	1	1

ANALYTE (con't)	***CAS NUMBER***	***SAMPLE RESULTS***	
		µg/kg	***µg/kg***
Bromochloromethane	74-97-5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	<2.5	<2.5
Dibromomethane	74-95-3	<2.5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	<2.5
1,3-Dichloropropane	142-28-9	<2.5	<2.5
Isopropylbenzene	98-82-8	<2.5	<2.5
1,1,1,2-Tetrachloroethane	630-20-6	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	<2.5	<2.5
Bromobenzene	108-86-1	<2.5	<2.5
n-Propylbenzene	103-65-1	<2.5	<2.5
2-Chlorotoluene	95-49-8	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	<2.5	<2.5
4-Chlorotoluene	106-43-4	<2.5	<2.5
tert-Butylbenzene	98-06-6	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	<2.5	<2.5
sec-Butylbenzene	135-98-8	<2.5	<2.5
4-Isopropyltoluene	99-87-6	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	<2.5
n-Butylbenzene	104-51-8	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	<2.5	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	<2.5	<2.5
Hexachlorobutadiene	87-68-3	<2.5	<2.5
Naphthalene	91-20-3	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	<2.5	<2.5
MTBE	1634-04-4	<5.0	<5.0
DIPE	108-20-3	<10	<10
TAME	955-05-8	<10	<10
ETBE	637-92-3	<10	<10
TBA	75-65-0	<50	<50

SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***
Dibromofluoromethane	26-196	111	113
Toluene-d8	31-168	95	95
4-Bromofluorobenzene	55-133	71	70

INIT_____

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13986

Sampled:	—	02/05/03	02/05/03
Received:	—	02/06/03	02/06/03
Reported:	02/17/03	02/17/03	02/17/03
Lab Sample I.D.:			
Client Sample I.D.:	MB	03020085	03020086
	—	DS-1	DS-2

CCR METALS

ANALYTE	*DATE TESTED*	*EPA METHOD*	*SAMPLE RESULTS*		
			mg/kg	*mg/kg*	*mg/kg*
Antimony	02/10/03	6010	<5.0	<5.0	<5.0
Arsenic	02/10/03	6010	<1.0	<1.0	<1.0
Barium	02/10/03	6010	<0.5	36	20
Beryllium	02/10/03	6010	<0.5	<0.5	<0.5
Cadmium	02/10/03	6010	<0.5	<0.5	<0.5
Chromium (VI)	02/11/03	7196	<0.5	<0.5	<0.5
Chromium (Total)	02/10/03	6010	<0.5	7.1	3.8
Cobalt	02/10/03	6010	<0.5	4.9	2.6
Copper	02/10/03	6010	<0.5	10	5.4
Lead	02/10/03	6010	<1.0	3.7	2.0
Mercury	02/10/03	7471	<0.1	<0.1	<0.1
Molybdenum	02/10/03	6010	<1.0	<1.0	<1.0
Nickel	02/10/03	6010	<0.5	6.2	3.3
Selenium	02/10/03	6010	<5.0	<5.0	<5.0
Silver	02/10/03	6010	<0.5	0.55	<0.5
Thallium	02/10/03	6010	<5.0	<5.0	<5.0
Vanadium	02/10/03	6010	<0.5	23	14
Zinc	02/10/03	6010	<0.5	35	17

INIT

Miller Brooks Environmental
ATTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
Huntington Beach, CA 92648

Client Project ID: Runkle Ranch
Client Project #: 402-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13986

Sampled:	02/05/03	02/05/03
Received:	02/06/03	02/06/03
Reported:	02/17/03	02/17/03
Lab Sample I.D.:		
Client Sample I.D.:	03020087 DS-3	03020088 DS-4

CCR METALS

ANALYTE	*DATE TESTED*	*EPA METHOD*	*SAMPLE RESULTS*	
			mg/kg	*mg/kg*
Antimony	02/10/03	6010	<5.0	<5.0
Arsenic	02/10/03	6010	<1.0	1.3
Barium	02/10/03	6010	22	18
Beryllium	02/10/03	6010	<0.5	<0.5
Cadmium	02/10/03	6010	<0.5	<0.5
Chromium (VI)	02/11/03	7196	<0.5	<0.5
Chromium (Total)	02/10/03	6010	3.8	4.5
Cobalt	02/10/03	6010	2.9	4.4
Copper	02/10/03	6010	5.9	6.5
Lead	02/10/03	6010	1.8	3.0
Mercury	02/10/03	7471	<0.1	<0.1
Molybdenum	02/10/03	6010	<1.0	<1.0
Nickel	02/10/03	6010	3.7	4.2
Selenium	02/10/03	6010	<5.0	<5.0
Silver	02/10/03	6010	<0.5	<0.5
Thallium	02/10/03	6010	<5.0	<5.0
Vanadium	02/10/03	6010	13	21
Zinc	02/10/03	6010	18	19

INIT

QA/QC REPORT
for
Extractable Fuel Hydrocarbons (8015m)
Reporting units: ppm

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 02/13/03
Laboratory Sample No : 03020188
Laboratory Reference No : MBE 13986

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*% MS*	*% MSD*	*RPD*	*ACP %MS*	*ACP RPD*
Extractable Fuel Hydrocarbons	26	100	132	109	106	83	19	42-126	31

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery Of MS: {(MS-R1) / SP} x100
% MSD	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %MS(MSD)	Acceptable Range of Percent
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 02/12/03
Laboratory Standard No : OCA9840

Analyte	*SP CONC*	*RESULTS*	*% RECOVERY*	*ACCEPTABLE %*
Extractable Fuel Hydrocarbons	100	121	121	44-110

INIT

QA/QC REPORT
for
Volatile Fuel Hydrocarbons (8015m)
Reporting units: ppm

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 02/07/03
Laboratory Sample No : 03020054
Laboratory Reference No : MBE 13986

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*% MS*	*% MSD*	*RPD*	*ACP %MS*	*ACP RPD*
Volatile Fuel Hydrocarbons	0.0	12.5	13.8	14.4	110	115	4	33-142	31

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery Of MS: {(MS-R1) / SP} x100
% MSD	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %MS(MSD)	Acceptable Range of Percent
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 02/07/03
Laboratory Standard No : OCA9989

Analyte	*SP CONC*	*RESULTS*	*% RECOVERY*	*ACCEPTABLE %*
Volatile Fuel Hydrocarbons	12.5	12.6	101	81-122

INIT_____

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)
Reporting Units: ppb

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 02/06/03
Laboratory Sample No : 03020053
Laboratory Reference No : MBE 13986

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
1,1-Dichloroethene	0.0	50	47	51	94	102	8	59-139	21
Benzene	0.0	50	39	43	78	86	10	70-120	11
Trichloroethene	0.0	50	39	43	78	86	10	55-134	19
Toluene	0.0	50	38	44	76	88	15	74-120	12
Chlorobenzene	0.0	50	41	46	82	92	11	81-121	9

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery of MS: {(MS-R1) / SP} x 100
% MSD	Percent Recovery of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %	Acceptable Range of Percent for MS/MSD
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 02/06/03
Laboratory Standard No : OCA 10291

Analyte	*SP CONC*	*Results*	*% Recovery*	*ACP %*
1,1-Dichloroethene	50	46	92	65-125
Benzene	50	39	78	74-107
Trichloroethene	50	38	76	74-112
Toluene	50	40	80	74-122
Chlorobenzene	50	42	84	81-122

INIT_____

QA/QC REPORT
for Metals
Reporting units: ppm

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Laboratory Reference No : MBE 13986

Analyte	Date Tested	QC Sample	R1	SP CONC	MS	MSD	%MS	%MSD	RPD	ACP%	ACP RPD
Antimony*	02/10/03	A03020036	0.0	20	11.3	10.5	57	53	7	75-125	20
Arsenic	02/10/03	A03020036	9.7	20	27.9	29.6	91	100	6	75-125	20
Barium	02/10/03	A03020036	110	40	150	159	100	123	6	75-125	20
Beryllium	02/10/03	A03020036	0.0	10	9.72	9.42	97	94	3	75-125	20
Cadmium	02/10/03	A03020036	0.0	10	9.49	9.18	95	92	3	75-125	20
Chromium (Total)	02/10/03	A03020036	12	20	30.1	31.1	91	96	3	75-125	20
Chromium (VI)	02/11/03	03020088	0.0	5.00	4.55	4.37	91	87	4	80-120	15
Cobalt	02/10/03	A03020036	5.7	20	23.4	22.6	89	85	3	75-125	20
Copper	02/10/03	A03020036	20	20	39.1	39.7	96	99	2	75-125	20
Lead	02/10/03	A03020036	6.8	20	26.8	24.0	100	86	11	75-125	20
Mercury	02/10/03	A03020036	0.0	1.0	0.980	0.997	98	100	2	80-120	15
Molybdenum	02/10/03	A03020036	0.0	20	16.5	16.1	83	81	2	75-125	20
Nickel	02/10/03	A03020036	15	20	32.6	31.4	88	82	4	75-125	20
Selenium	02/10/03	A03020036	0.0	20	18.9	18.4	95	92	3	75-125	20
Silver	02/10/03	A03020036	0.51	20	17.7	17.2	86	83	3	75-125	20
Thallium	02/10/03	A03020036	0.0	20	17.0	16.4	85	82	4	75-125	20
Vanadium	02/10/03	A03020036	21	20	39.2	41.9	91	105	7	75-125	20
Zinc	02/10/03	A03020036	38	40	68.6	70.7	77	82	3	75-125	20

Definition of Terms :

R1	Result of QC Sample
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery of MS: {(MS-R1) / SP} x 100
% MSD	Percent Recovery of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %	Acceptable Range of Percent for MS/MSD
ACP RPD	Acceptable Relative Percent Difference
*	Matrix spike recovery was low, the method control sample recovery was acceptable.

2. Laboratory Control Sample

Analyte	Date Tested	Spike Standard ID	SP CONC	Results	% Recovery	ACP %
Antimony	02/10/03	OCA 10241	20	19.3	97	80-120
Arsenic	02/10/03	OCA 10241	20	19.5	98	80-120
Barium	02/10/03	OCA 10241	40	37.7	94	80-120
Beryllium	02/10/03	OCA 10241	10	9.85	99	80-120
Cadmium	02/10/03	OCA 10241	10	9.66	97	80-120
Chromium (Total)	02/10/03	OCA 10241	20	18.8	94	80-120
Chromium (VI)	02/11/03	OCA 9771	5.00	4.94	99	80-120
Cobalt	02/10/03	OCA 10241	20	19.0	95	80-120
Copper	02/10/03	OCA 10241	20	19.0	95	80-120
Lead	02/10/03	OCA 10241	20	19.2	96	80-120
Mercury	02/10/03	OCA10041	1.0	1.00	100	80-120
Molybdenum	02/10/03	OCA 10241	20	19.2	96	80-120
Nickel	02/10/03	OCA 10241	20	19.0	95	80-120
Selenium	02/10/03	OCA 10241	20	19.5	98	80-120
Silver	02/10/03	OCA 10241	20	17.2	86	80-120
Thallium	02/10/03	OCA 10241	20	19.3	97	80-120
Vanadium	02/10/03	OCA 10241	20	18.9	95	80-120
Zinc	02/10/03	OCA 10241	40	38.6	97	80-120

INIT_____

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)
Reporting Units: ppb

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 02/14/03
Laboratory Sample No : A03020038
Laboratory Reference No : MBE 13986

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
1,1-Dichloroethene	0.0	50	47	47	94	94	0	41-153	23
Benzene	0.0	50	43	42	86	84	2	33-170	23
Trichloroethene	0.0	50	43	43	86	86	0	43-145	23
Toluene	0.0	50	42	42	84	84	0	40-152	23
Chlorobenzene	0.0	50	46	45	92	90	2	48-147	22

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery of MS: {(MS-R1) / SP} x 100
% MSD	Percent Recovery of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %	Acceptable Range of Percent for MS/MSD
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 02/14/03
Laboratory Standard No : OCA 10291

Analyte	*SP CONC*	*Results*	*% Recovery*	*ACP %*
1,1-Dichloroethene	50	47	94	75-123
Benzene	50	42	84	62-134
Trichloroethene	50	42	84	80-118
Toluene	50	41	82	76-119
Chlorobenzene	50	45	90	79-117

INIT

QA/QC REPORT
for
Extractable Fuel Hydrocarbons (8015m)
Reporting units: ppm

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 02/13/03
Laboratory Sample No : OCA 100
Laboratory Reference No : MBE 13986

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*% MS*	*% MSD*	*RPD*	*ACP %*	*ACP RPD*
Extractable Fuel Hydrocarbons	0.0	5.0	5.0	5.3	100	106	6	18-114	34

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery Of MS: {(MS-R1) / SP} x100
% MSD	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %MS(MSD)	Acceptable Range of Percent
ACP RPD	Acceptable Relative Percent Difference

2. Quality Control Standard

Date of Analysis : 02/13/03
Laboratory Standard No : OCA9840

Analyte	*SP CONC*	*RESULTS*	*% RECOVERY*	*ACCEPTABLE %*
Extractable Fuel Hydrocarbons	100	111	111	63-143

INIT_____

QA/QC REPORT
for
Volatile Fuel Hydrocarbons (8015m)
Reporting units: ppb

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Analysis : 02/10/03
Laboratory Sample No : 03020095
Laboratory Reference No : MBE 13986

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*% MS*	*% MSD*	*RPD*	*ACP %MS*	*ACP RPD*
Volatile Fuel Hydrocarbons	0.0	250	254	241	102	96	5	60-136	21

Definition of Terms :

R1	Result of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
% MS	Percent Recovery Of MS: {(MS-R1) / SP} x100
% MSD	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
ACP %MS(MSD)	Acceptable Range of Percent
ACP RPD	Acceptable Relative Percent Difference

2. Laboratory Control Sample

Date of Analysis : 02/10/03
Laboratory Standard No : OCA9993

Analyte	*SP CONC*	*RESULTS*	*% RECOVERY*	*ACCEPTABLE %*
Volatile Fuel Hydrocarbons	500	512	102	66-127

INIT

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Orange Coast Analytical (4376)
ATTN: Mark Norrani
3002 Dow Ave.
Suite 532
Tustin, CA 92680

LAB REQUEST 106150
REPORTED 02/10/2003
RECEIVED 02/07/2003

PROJECT Runkle Road

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
410530	Well - 1

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

ASSOCIATED LABORATORIES by,

Tito L. Parola
President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

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rder #: 410530 **Client Sample ID:** Well - 1
rix: WATER
..e Sampled: 02/05/2003

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	4	ug/L	02/10/03	BGS

R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Page 1 of 1

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION

COMPANY: Miller Brooks Environmental
SEND REPORT TO: Elizabeth Robbins
ADDRESS: 2124 Main St, Ste 200
Huntington Beach, CA 92648
PHONE: 714 960-[illegible] FAX: 714 960-2462

PROJECT INFORMATION

PROJECT NAME: Runkle Ranch
NUMBER: 402-0002-02
LOCATION: Simi Valley
ADDRESS:
SAMPLED BY: Jennifer Canfield

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES	VOCs (8260)	TPH carb	perchlorate	Indium	Title 22 metals				REMARKS/PRECAUTIONS
DS-1	1	2/5/03	1:10	SOIL	6" ring		X	X			X				
DS-2			1:20				X	X			X				
DS-3			1:30				X	X			X				
DS-4			2:00				X	X			X				
Well-1	9		1:45	aq	varies		X	X	X	X					

Total No. of Samples: 4

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jennifer Canfield			
[illegible]	02/6/03 14:15		
		Received For Lab By: [illegible]	2/6/03 14:15

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Orange Coast Analytical (4376)
ATTN: Mark Norrani
3002 Dow Ave.
Suite 532
Tustin, CA 92680

LAB REQUEST 108126

REPORTED 03/27/2003

RECEIVED 03/19/2003

PROJECT Runkle Ranch

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
419242	Creek - 1 Water
419243	Creek - 2 Water
419244	Windmill - 1 Water
419245	Creek - 3 Water
419246	Trip Blank
419247	Creek - 1 Soil
419248	Creek - 2 Soil
419249	Creek - 3 Soil

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

ASSOCIATED LABORATORIES by,

Tito L. Parola
President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

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CLIENT Orange Coast Analytical (4376)
ATTN: Mark Norrani
3002 Dow Ave.
Suite 532
Tustin, CA 92680

LAB REQUEST 108126

REPORTED 03/27/2003

RECEIVED 03/19/2003

PROJECT Runkle Ranch

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
419250	Laboratory Method Blank-W
419251	Laboratory Method Blank-S

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

ASSOCIATED LABORATORIES by,

Tito L. Parola
President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
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Environmental

ler #: 419242 **Client Sample ID:** Creek - 1 Water
rix: WATER
e Sampled: 03/14/2003
me Sampled: 09:00

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	4	ug/L	03/25/03	BGS

ler #: 419243 **Client Sample ID:** Creek - 2 Water
rix: WATER
e Sampled: 03/14/2003
me Sampled: 09:15

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	4	ug/L	03/25/03	BGS

ler #: 419244 **Client Sample ID:** Windmill - 1 Water
rix: WATER
e Sampled: 03/14/2003
me Sampled: 10:30

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	4	ug/L	03/25/03	BGS

ler #: 419245 **Client Sample ID:** Creek - 3 Water
rix: WATER
e Sampled: 03/14/2003
me Sampled: 11:20

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	4	ug/L	03/25/03	BGS

R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

ler #: 419246 **Client Sample ID:** Trip Blank
rix: WATER
..e Sampled: 03/14/2003

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	4	ug/L	03/25/03	BGS

ler #: 419247 **Client Sample ID:** Creek - 1 Soil
rix: SOLID

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	0.040	mg/Kg	03/25/03	BGS

ler #: 419248 **Client Sample ID:** Creek - 2 Soil
rix: SOLID

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	0.040	mg/Kg	03/25/03	BGS

der #: 419249 **Client Sample ID:** Creek - 3 Soil
trix: SOLID

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	0.040	mg/Kg	03/25/03	BGS

.R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

er #: 419250 **Client Sample ID:** Laboratory Method Blank-W
ix: WATER

Analyte	Result	DLR	Units	Date/Analyst	
erchlorate by Ion Chomatography					
Perchlorate	ND	4	ug/L	03/25/03	BGS

er #: 419251 **Client Sample ID:** Laboratory Method Blank-S
ix: SOLID

Analyte	Result	DLR	Units	Date/Analyst	
erchlorate by Ion Chomatography					
Perchlorate	ND	0.040	mg/Kg	03/25/03	BGS

LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-001
Client Sample ID: MBE-7-Surface
Matrix: SOIL

Collection Date: 03/13/03 10:25
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Lab ID: C03030603-002
Client Sample ID: MBE-7-3'
Matrix: SOIL

Collection Date: 03/13/03 10:40
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Lab ID: C03030603-003
Client Sample ID: MBE-7-7'
Matrix: SOIL

Collection Date: 03/13/03 10:50
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Lab ID: C03030603-004
Client Sample ID: MBE-8-Surface
Matrix: SOIL

Collection Date: 03/13/03 12:25
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-005
Client Sample ID: MBE-8-3'
Matrix: SOIL

Collection Date: 03/13/03 12:45
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Lab ID: C03030603-006
Client Sample ID: MBE-8-7'
Matrix: SOIL

Collection Date: 03/13/03 12:55
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Lab ID: C03030603-007
Client Sample ID: MBE-11-Surface
Matrix: SOIL

Collection Date: 03/13/03 13:35
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Lab ID: C03030603-008
Client Sample ID: MBE-11-3'
Matrix: SOIL

Collection Date: 03/13/03 13:40
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-009
Client Sample ID: MBE-11-7'
Matrix: SOIL

Collection Date: 03/13/03 13:45
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Lab ID: C03030603-010
Client Sample ID: MBE-5-Surface
Matrix: SOIL

Collection Date: 03/13/03 14:30
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Lab ID: C03030603-011
Client Sample ID: MBE-5-3'
Matrix: SOIL

Collection Date: 03/13/03 14:33
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Lab ID: C03030603-012
Client Sample ID: MBE-5-7'
Matrix: SOIL

Collection Date: 03/13/03 14:35
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-013
Client Sample ID: MBE-2-Surface
Matrix: SOIL

Collection Date: 03/13/03 14:45
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Lab ID: C03030603-014
Client Sample ID: MBE-2-3'
Matrix: SOIL

Collection Date: 03/13/03 15:00
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.40		E905.0	03/27/03 17:00 / db

Lab ID: C03030603-015
Client Sample ID: MBE-2-7'
Matrix: SOIL

Collection Date: 03/13/03 15:05
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db

Lab ID: C03030603-016
Client Sample ID: MBE-12-Surface
Matrix: SOIL

Collection Date: 03/13/03 14:00
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-017
Client Sample ID: MBE-1-Surface
Matrix: SOIL

Collection Date: 03/13/03 14:10
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	2.10	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db
Strontium 90 precision (±)	1.20	pCi/g-dry				E905.0	03/28/03 16:00 / db

Lab ID: C03030603-018
Client Sample ID: MBE-6-Surface
Matrix: SOIL

Collection Date: 03/13/03 15:00
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	2.20	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db
Strontium 90 precision (±)	1.20	pCi/g-dry				E905.0	03/28/03 16:00 / db

Lab ID: C03030603-019
Client Sample ID: MBE-3-Surface
Matrix: SOIL

Collection Date: 03/13/03 15:15
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db

Lab ID: C03030603-020
Client Sample ID: MBE-4-Surface
Matrix: SOIL

Collection Date: 03/13/03 15:30
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-021
Client Sample ID: MBE-4-3'
Matrix: SOIL

Collection Date: 03/13/03 15:35
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db

Lab ID: C03030603-022
Client Sample ID: MBE-4-7'
Matrix: SOIL

Collection Date: 03/13/03 15:40
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db

Lab ID: C03030603-023
Client Sample ID: Duplicate 1
Matrix: SOIL

Collection Date: 03/13/03
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db

Lab ID: C03030603-024
Client Sample ID: Duplicate 2
Matrix: SOIL

Collection Date: 03/13/03
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-025
Client Sample ID: MBE-10-Surface
Matrix: SOIL

Collection Date: 03/14/03 11:45
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db

Lab ID: C03030603-026
Client Sample ID: MBE-9-Surface
Matrix: SOIL

Collection Date: 03/14/03 11:50
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db

Lab ID: C03030603-027
Client Sample ID: Background-1
Matrix: SOIL

Collection Date: 03/14/03 07:55
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db

Lab ID: C03030603-028
Client Sample ID: Background-2
Matrix: SOIL

Collection Date: 03/14/03 08:00
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.00		E905.0	03/28/03 16:00 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-029
Client Sample ID: Background-3
Matrix: SOIL

Collection Date: 03/14/03 12:00
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Lab ID: C03030603-030
Client Sample ID: SS-1A
Matrix: SOIL

Collection Date: 03/14/03 09:30
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Lab ID: C03030603-031
Client Sample ID: SS-2A
Matrix: SOIL

Collection Date: 03/14/03 09:35
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Lab ID: C03030603-032
Client Sample ID: SS-3A
Matrix: SOIL

Collection Date: 03/14/03 09:40
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-033
Client Sample ID: SS-4A
Matrix: SOIL

Collection Date: 03/14/03 09:50
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Lab ID: C03030603-034
Client Sample ID: SS-5A
Matrix: SOIL

Collection Date: 03/14/03 09:55
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Lab ID: C03030603-035
Client Sample ID: SS-6A
Matrix: SOIL

Collection Date: 03/14/03 10:00
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Lab ID: C03030603-036
Client Sample ID: SS-7A
Matrix: SOIL

Collection Date: 03/14/03 10:05
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO
030603R0009

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-037
Client Sample ID: SS-8A
Matrix: SOIL

Collection Date: 03/14/03 10:10
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Lab ID: C03030603-038
Client Sample ID: SS-9A
Matrix: SOIL

Collection Date: 03/14/03 10:15
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Lab ID: C03030603-039
Client Sample ID: SS-10A
Matrix: SOIL

Collection Date: 03/14/03 10:40
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Lab ID: C03030603-040
Client Sample ID: SS-11A
Matrix: SOIL

Collection Date: 03/14/03 10:45
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-041
Client Sample ID: SS-12A
Matrix: SOIL

Collection Date: 03/14/03 10:50
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Lab ID: C03030603-042
Client Sample ID: SS-13A
Matrix: SOIL

Collection Date: 03/14/03 09:45
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.20		E905.0	03/31/03 17:00 / db

Lab ID: C03030603-043
Client Sample ID: SS-14A
Matrix: SOIL

Collection Date: 03/14/03 11:00
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.80		E905.0	04/01/03 15:15 / db

Lab ID: C03030603-044
Client Sample ID: SS-15A
Matrix: SOIL

Collection Date: 03/14/03 11:30
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.80		E905.0	04/01/03 15:15 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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030603R0011

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-045
Client Sample ID: SS-16A
Matrix: SOIL

Collection Date: 03/14/03 11:40
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.80		E905.0	04/01/03 15:15 / db

Lab ID: C03030603-046
Client Sample ID: SS-17A
Matrix: SOIL

Collection Date: 03/14/03 11:10
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.80		E905.0	04/01/03 15:15 / db

Lab ID: C03030603-047
Client Sample ID: Duplicate-1
Matrix: SOIL

Collection Date: Not Provided
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.80		E905.0	04/01/03 15:15 / db

Lab ID: C03030603-048
Client Sample ID: Duplicate-2
Matrix: SOIL

Collection Date: Not Provided
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/g-dry		2.80		E905.0	04/01/03 15:15 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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030603R001

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LABORATORY ANALYTICAL REPORT

Client: Orange Coast Analytical Inc
Project: Runkle

Lab Order: C03030603
Report Date: 04/21/03

Lab ID: C03030603-049
Client Sample ID: Trip Blank
Matrix: AQUEOUS

Collection Date: Not Provided
DateReceived: 03/20/03

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Strontium 90	ND	pCi/L		10		E905.0	04/01/03 15:15 / db

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
030603R0013

Energy Laboratories Inc.

Sample Receipt Checklist

Client Name ORNG-CST-ANLYTCL-INC

Date and Time Received: 3/20/2003 14:00:00

Work Order Number C03030603

Received by sh

Checklist completed by [signature] 3/20/03
Signature | Date

Reviewed by _____
Initials | Date

Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	10 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:
The were two bottles marked as Duplicate-1 for the 3-14-03 samples, SAG faxed client per Mark Noorani bottles matched w/ sampler name. Also per M. Noorani project is Runkle only.

Corrective Action _____

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030603R0019

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ANALYTICAL SUMMARY REPORT

April 21, 2003

Mark Noorani
Orange Coast Analytical Inc
3002 Dow Ste 532
Tustin, CA 92780

Workorder No.: C03030603

Project Name: Runkle

Energy Laboratories Inc. received the following 49 samples from Orange Coast Analytical Inc on 3/20/2003 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C03030603-001	MBE-7-Surface	03/13/03 10:25	03/20/03	Soil	Digestion For RadioChemistry Strontium 90
C03030603-002	MBE-7-3'	03/13/03 10:40	03/20/03	Soil	Same As Above
C03030603-003	MBE-7-7'	03/13/03 10:50	03/20/03	Soil	Same As Above
C03030603-004	MBE-8-Surface	03/13/03 12:25	03/20/03	Soil	Same As Above
C03030603-005	MBE-8-3'	03/13/03 12:45	03/20/03	Soil	Same As Above
C03030603-006	MBE-8-7'	03/13/03 12:55	03/20/03	Soil	Same As Above
C03030603-007	MBE-11-Surface	03/13/03 13:35	03/20/03	Soil	Same As Above
C03030603-008	MBE-11-3'	03/13/03 13:40	03/20/03	Soil	Same As Above
C03030603-009	MBE-11-7'	03/13/03 13:45	03/20/03	Soil	Same As Above
C03030603-010	MBE-5-Surface	03/13/03 14:30	03/20/03	Soil	Same As Above
C03030603-011	MBE-5-3'	03/13/03 14:33	03/20/03	Soil	Same As Above
C03030603-012	MBE-5-7'	03/13/03 14:35	03/20/03	Soil	Same As Above
C03030603-013	MBE-2-Surface	03/13/03 14:45	03/20/03	Soil	Same As Above
C03030603-014	MBE-2-3'	03/13/03 15:00	03/20/03	Soil	Same As Above
C03030603-015	MBE-2-7'	03/13/03 15:05	03/20/03	Soil	Same As Above
C03030603-016	MBE-12-Surface	03/13/03 14:00	03/20/03	Soil	Same As Above
C03030603-017	MBE-1-Surface	03/13/03 14:10	03/20/03	Soil	Same As Above
C03030603-018	MBE-6-Surface	03/13/03 15:00	03/20/03	Soil	Same As Above
C03030603-019	MBE-3-Surface	03/13/03 15:15	03/20/03	Soil	Same As Above
C03030603-020	MBE-4-Surface	03/13/03 15:30	03/20/03	Soil	Same As Above
C03030603-021	MBE-4-3'	03/13/03 15:35	03/20/03	Soil	Same As Above
C03030603-022	MBE-4-7'	03/13/03 15:40	03/20/03	Soil	Same As Above
C03030603-023	Duplicate 1	03/13/03 0:00	03/20/03	Soil	Same As Above

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030603R0020

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C03030603-024	Duplicate 2	03/13/03 0:00	03/20/03	Soil	Same As Above
C03030603-025	MBE-10-Surface	03/14/03 11:45	03/20/03	Soil	Same As Above
C03030603-026	MBE-9-Surface	03/14/03 11:50	03/20/03	Soil	Same As Above
C03030603-027	Background-1	03/14/03 7:55	03/20/03	Soil	Same As Above
C03030603-028	Background-2	03/14/03 8:00	03/20/03	Soil	Same As Above
C03030603-029	Background-3	03/14/03 12:00	03/20/03	Soil	Same As Above
C03030603-030	SS-1A	03/14/03 9:30	03/20/03	Soil	Same As Above
C03030603-031	SS-2A	03/14/03 9:35	03/20/03	Soil	Same As Above
C03030603-032	SS-3A	03/14/03 9:40	03/20/03	Soil	Same As Above
C03030603-033	SS-4A	03/14/03 9:50	03/20/03	Soil	Same As Above
C03030603-034	SS-5A	03/14/03 9:55	03/20/03	Soil	Same As Above
C03030603-035	SS-6A	03/14/03 10:00	03/20/03	Soil	Same As Above
C03030603-036	SS-7A	03/14/03 10:05	03/20/03	Soil	Same As Above
C03030603-037	SS-8A	03/14/03 10:10	03/20/03	Soil	Same As Above
C03030603-038	SS-9A	03/14/03 10:15	03/20/03	Soil	Same As Above
C03030603-039	SS-10A	03/14/03 10:40	03/20/03	Soil	Same As Above
C03030603-040	SS-11A	03/14/03 10:45	03/20/03	Soil	Same As Above
C03030603-041	SS-12A	03/14/03 10:50	03/20/03	Soil	Same As Above
C03030603-042	SS-13A	03/14/03 9:45	03/20/03	Soil	Same As Above
C03030603-043	SS-14A	03/14/03 11:00	03/20/03	Soil	Same As Above
C03030603-044	SS-15A	03/14/03 11:30	03/20/03	Soil	Same As Above
C03030603-045	SS-16A	03/14/03 11:40	03/20/03	Soil	Same As Above
C03030603-046	SS-17A	03/14/03 11:10	03/20/03	Soil	Same As Above
C03030603-047	Duplicate-1		03/20/03	Soil	Same As Above
C03030603-048	Duplicate-2		03/20/03	Soil	Same As Above
C03030603-049	Trip Blank		03/20/03	Aqueous	Strontium 90

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By: R. A. Gerding
ROGER GERDING
LABORATORY SUPERVISOR

TRACKING NO. PAGE NO.
030603R0021

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Date: *21-Apr-03*

CLIENT: Orange Coast Analytical Inc
Project: Runkle
Sample Delivery Group: C03030603

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-cs - Energy Laboratories, Inc. - College Station, TX
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol.

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

The total number of pages of this report are indicated by the last four digits of the tracking number located in the lower right corner.

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3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION

Mr. Mark Noorani
Orange Coast Analytical, Inc.
3002 Dow St., Suite 532
Tustin, CA 92780

PROJECT INFORMATION

PROJECT NAME: Rumble Ranch
NUMBER: 402-0002-02
LOCATION: Simi Valley, CA
ADDRESS:
SAMPLED BY: Jennifer Canfield / R. Conejo

ANALYSIS/METHOD REQUEST: Strontium-90

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Strontium-90	REMARKS/PRECAUTIONS
SS-1A	1	3/14/03	9:30	Soil	4oz Jar		X	
SS-2A			9:35					
SS-3A			9:40					
SS-4A			9:50					
SS-5A			9:55					
SS-6A			10:00					
SS-7A			10:05					
SS-8A			10:10					
SS-9A			10:15					
SS-10A			10:40					
SS-11A			10:45					
SS-12A			10:50					
SS-13A			9:45					
SS-14A			11:00					

Total No. of Samples: 19 + trip blank

Method of Shipment: Fed Ex

Relinquished By: Jennifer Canfield Date/Time: 3/14/03 4:58p

Received By: Date/Time:

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Relinquished By: Simi Von Karvaly Date/Time: 3-18-03 4:00 pm

Received By: [illegible] Date/Time: 3/20/03 1400

Relinquished By: Date/Time:

Received For Lab By: Guillermo Torres Date/Time: 3/14/03 4:50 pm

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

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Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION

Mr. Mark Noorani
Orange Coast Analytical, Inc.
3002 Dow St., Suite 532
Tustin, CA 92780

PROJECT INFORMATION

PROJECT NAME: Runkle Ranch
NUMBER: 402-0002-02
LOCATION: Simi Valley
ADDRESS:
SAMPLED BY:

ANALYSIS/METHOD REQUEST: Sr-90

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Sr-90	REMARKS/PRECAUTIONS
SS-15A	1	3/14/03	11:30	Soil	4oz jar		X	
SS-16A			11:40					
SS-17A			11:10					
Duplicate-1			—					
Duplicate-2			—					
Trip Blank			—	aq.	poly			

Total No. of Samples: 20 (19 + 1 trip blank)

Method of Shipment: Fed Ex

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jennifer Carp	3/14/03 4:58p		
Relinquished By:	Date/Time:	Received By:	Date/Time:
[illegible signature]	3-18-03 4:00 pm	[illegible signature]	3/20/03 1402
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible signature]	3/14/03 4:58pm

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
Intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

TOKAY PAGE NO.

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(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION	
COMPANY:	Orange Coast Analytical
SEND REPORT TO:	Mark Noorani
ADDRESS:	3002 Dow St. #532
	Tustin, CA 92780
PHONE:	4832 0064
FAX:	714 832 0067

PROJECT INFORMATION	
PROJECT NAME	Whole Road
NUMBER	402-0002-02
LOCATION	
ADDRESS	
SAMPLED BY	J.C

ANALYSIS/METHOD REQUEST: Low level Tritium

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Low level Tritium	REMARKS/PRECAUTIONS
Creek-1	1	3-11-03	1100	W			X	Detection Limit
Creek-2	1	↓	1115				X	Needed is
Windmill-1	1		1020	↓			X	4 Tritium units.
Creek-3	1		1120				X	
Trip Blank	1		—				X	
								Please fax results
								when available

Total No. of Samples: 5

Method of Shipment: Fed Ex

Relinquished By:	Date/Time: 3-11-03 3:00 pm	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Analysis Request and Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.
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Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: Normal

CUSTOMER INFORMATION

Company: [illegible]
Contact: [illegible]
Address: [illegible]

PROJECT INFORMATION

Project Name: Ruth E. Kanch
Project No.: [illegible]
Location: Simi Valley, CA
Address: [illegible]

Sampled By: [illegible] / R. Crisp

Sample ID	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Pres.	Tritium	Perchlorate	Remarks/Precautions
[illegible]	3	3/11/03	9 [illegible]	soil/water	jar/poly		X	X	Analyze soil and water for perchlorate for [illegible] samples
[illegible]	3		[illegible]	[illegible]	[illegible]		X	X	
[illegible]	[illegible]		[illegible]	water			✓	✓	Analyze water only for tritium.
[illegible]	[illegible]		[illegible]	soil/water			✓	-	
Trip blank	1	3/11/03	--	aq	poly		X		1 trip blank to each lab JC 3/14/03
Trip blank	1	3/11/03	--	aq	poly			X	

Total No. of Samples: 11 containers

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time: 3/13/03 3:00	Reporting Format: (check):
[illegible]		[illegible]		NORMAL ____ S.D. HMMD ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	RWQCB ____ OTHER ____
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:	Sample Integrity: (check) intact ____ on ice ____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples

Lab No: —
Page 1 of 2

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Miller Brooks Environmental	PROJECT NAME: Runkle Ranch
SEND REPORT TO: Elizabeth Robbins	NUMBER: 402-0002-02
ADDRESS: 2124 Main Street, Ste 200 HB, CA 92648	LOCATION: Simi Valley
	ADDRESS:
PHONE: 714 960 4088 FAX:	SAMPLED BY:

ANALYSIS/METHOD REQUEST: Sr-90

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Sr-90	REMARKS/PRECAUTIONS
SS-15A	1	3/14/03	11:30	Soil	4oz jar		X	
SS-16A			11:40					
SS-17A			11:10					
Duplicate-1			—					
Duplicate-2			—					
Trip Blank			—	aq.	poly			

Total No. of Samples: 20 (19 + 1 trip blank)

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jennifer Carp	3/14/03 4:58p		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: William Moore	Date/Time: 3/14/03 4:58pm

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
Intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

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Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Miller Brooks Environmental	PROJECT NAME: Rumble Ranch
SEND REPORT TO: Elizabeth Robbins	NUMBER: 402-0002-02
ADDRESS: 2124 Main Street, Ste 200	LOCATION: Simi Valley, CA
HB, CA 92648	ADDRESS:
PHONE: 7149604088 FAX: 7149602462	SAMPLED BY: Jennifer Canfield / R. Conejo

ANALYSIS/METHOD REQUEST: Strontium-90

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Strontium-90	REMARKS/PRECAUTIONS
SS-1A	1	3/14/03	9:30	Soil	4oz jar		X	
SS-2A			9:35					
SS-3A			9:40					
SS-4A			9:50					
SS-5A			9:55					
SS-6A			10:00					
SS-7A			10:05					
SS-8A			10:10					
SS-9A			10:15					
SS-10A			10:40					
SS-11A			10:45					
SS-12A			10:50					
SS-13A			9:45					
SS-14A			11:00					

Total No. of Samples: 19 + trip blank

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jennifer Canfield	3/14/03 4:58p		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Guillermo Lopez	Date/Time: 3/14/03 4:50 pm

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
Intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

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Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Miller Brooks Env.	PROJECT NAME: Runkle Ranch
SEND REPORT TO: Elizabeth Robbins	NUMBER: 402-0002-02
ADDRESS: 2124 Main St. Ste 200	LOCATION: Simi Valley, CA
HB, CA	ADDRESS:
PHONE: 714 960-4088 FAX: 714 960 2462	SAMPLED BY: Jennifer Canfield / R. Conejo

ANALYSIS/METHOD REQUEST: Strontium-90

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Strontium-90	REMARKS/PRECAUTIONS
Background-3	1	3/14/03	12:00	Soil	4oz jar		X	

Total No. of Samples: 1/29 total

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time: 7:00 3/13/03
Jennifer Canfield		[signature]	
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

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4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Miller Brooks Environmental	PROJECT NAME: Runkle Canyon
SEND REPORT TO: Elizabeth Robbins	NUMBER: 402-0002-02
ADDRESS: 2124 Main St., Ste 200 HB, CA 92648	LOCATION: Simi Valley, CA
	ADDRESS:
PHONE: 714960-4088 FAX: 714960-2462	SAMPLED BY: Jennifer Canfield & Richard Gregg

ANALYSIS/METHOD REQUEST: Strontium-90 5590

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Strontium-90 5590	REMARKS/PRECAUTIONS
MBE-2-7'	1	3/13/03	3:05	soil	~~4oz jar~~ brass ring		X	
MBE-12-surface			2:00		4oz jar			
MBE-1-surface			2:10					
MBE-6-surface			3:00					
MBE-3-surface			3:15					
MBE-4-surface			3:30					
MBE-4-3'			3:35		brass ring			
MBE-4-7'			3:40		brass ring			
Duplicate-1			–		~~ring~~ ~~jar~~			
Duplicate-2			–		jar			
MBE-10-surface	1	3/14/03	11:45		jar		X	
MBE-9-surface		3/14/03	11:50		jar		X	
Background-1			7:55				X	
Background-2			8:00				X	

Total No. of Samples: 19/29 total

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jennifer Canfield		[signature]	3:00 3/13/03
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Page 1 of 3

ORANGE COAST ANALYTICAL, INC.

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4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Miller Brooks Environmental	PROJECT NAME: Runkle Canyon
SEND REPORT TO: Elizabeth Robbins	NUMBER: 402-0002-02
ADDRESS: 2124 Mainstreet, Ste 200	LOCATION: Simi Valley, CA
Huntington Beach, CA 92648	ADDRESS:
PHONE: 714 960-4088 FAX: 714 960-2462	SAMPLED BY: Jennifer Canfield/R. Crego

ANALYSIS/METHOD REQUEST: Strontium-90

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Strontium-90	REMARKS/PRECAUTIONS
MBE-7-Surface	1	3/13/03	10:25	Soil	4oz jar		X	
MBE-7-3'			10:40		ring			
MBE-7-7'			10:50		↓			
MBE-B-SURFACE			12:25		jar			
MBE-B-3'			12:45		ring			
MBE-B-7'			12:55		↓			
MBE-11-SURFACE			1:35		jar			
MBE-11-3'			1:40		ring			
MBE-11-7'			1:45		↓			
MBE-5-SURFACE			2:30		jar			
MBE-5-3'			2:33		ring			
MBE-5-7'			2:35		↓			
MBE-2-SURFACE			2:45		jar			
MBE-2-3'			3:00		ring			

Total No. of Samples: 14/29 total

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:	Reporting Format: (check)
Jennifer Canfield		[signature]	3:00 3/13/03	NORMAL ____ S.D. HMMD ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	RWQCB ____ OTHER ____
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:	Sample Integrity: (check) intact ____ on ice ____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

ORANGE COAST ANALYTICAL, INC.
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(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION

COMPANY: Miller Brooks Environmental
SEND REPORT TO: Elizabeth Robbins
ADDRESS: 2124 Main Street, Ste 200
Huntington Beach, CA 92648
PHONE: 714 960-4088 FAX: 714 960 2462

PROJECT INFORMATION

PROJECT NAME: Runkle Ranch
NUMBER: 402-0002-02
LOCATION: Simi Valley, CA
ADDRESS:
SAMPLED BY: Jennifer Canfield / R. Conejo

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Tritium	Perchlorate	REMARKS/PRECAUTIONS
Creek-1	3	3/14/03	9:00	soil water	Jar poly s(2)		X	X	Analyze soil and water for perchlorate for creek samples
Creek-2	3	↓	9:15	↓	↓		X	X	
Windmill-1	2	↓	1030	water	↓		X	X	Analyze water only for tritium.
Creek-3	3	↓	11:20	soil water	↓		X	X	

Total No. of Samples: 11 containers

Method of Shipment:

Relinquished By: Jennifer Canfield Date/Time:

Received By: [signature] Date/Time: 3/13/03 3:00

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received For Lab By: Date/Time:

Reporting Format: (check)
NORMAL ____ S.D. HMMD ____
RWQCB ____ OTHER ____

Sample Integrity: (check)
intact ____ on ice ____

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ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

CLIENT Orange Coast Analytical (4376)
ATTN: Mark Norrani
3002 Dow Ave.
Suite 532
Tustin, CA 92680

LAB REQUEST 110165
REPORTED 05/09/2003
RECEIVED 05/02/2003

PROJECT Runkle Ranch

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
428764	Spring - 1
428765	Spring - 2
428766	Spring - 3
428767	Trip Blank

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

ASSOCIATED LABORATORIES by:

Tito L. Parola
President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

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er #: 428764 **Client Sample ID:** Spring - 1
ix: WATER
ıe Sampled: 05/01/2003
Sampled: 11:15

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	4	ug/L	05/08/03	BGS

er #: 428765 **Client Sample ID:** Spring - 2
ix: WATER
ıe Sampled: 05/01/2003
Sampled: 11:30

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	4	ug/L	05/08/03	BGS

ler #: 428766 **Client Sample ID:** Spring - 3
rix: WATER
ate Sampled: 05/01/2003
e Sampled: 11:15

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	4	ug/L	05/08/03	BGS

ler #: 428767 **Client Sample ID:** Trip Blank
rix: WATER
ate Sampled: 05/01/2003

Analyte	Result	DLR	Units	Date/Analyst	
Perchlorate by Ion Chomatography					
Perchlorate	ND	4	ug/L	05/08/03	BGS

R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

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Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TAT: Normal

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Miller Brooks Environmental	PROJECT NAME: Rumble Canyon 550/715
SEND REPORT TO: Elizabeth Robbins	NUMBER: 402-0002-02
ADDRESS: 2124 Main Street, Ste 200	LOCATION: Simi Valley
Huntington Beach, CA 92648	ADDRESS:
PHONE: 714 960 4088 FAX: 714 960 2462	SAMPLED BY: Jennifer Canfield

ANALYSIS/METHOD REQUEST: Perchlorate

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Perchlorate	REMARKS/PRECAUTIONS
Spring-1	1	5-1-03	11:15	aq	poly		X	
Spring-2	↓	↓	11:30	↓	↓		X	
Spring-3	↓	↓	1:15	↓	↓		X	
trip blank	1	↓		↓	↓		X	

Total No. of Samples: 3

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jennifer Canfield	5/2/03 11:07		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Chris Tenn	Date/Time: 5/2/03 11:07

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.