MILLER BROOKS
Environmental, Inc.

May 21, 2003

Mr. Bruce G. Ehrlich
Nossaman, Guthner, Knox and Elliot LLP
445 South Figueroa Street, 31st Floor
Los Angeles, California 90071

SUBJECT: REPORT FOR ASPHALITC 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

Dear Mr. Ehrlich:

Miller Brooks Environmental, Inc. (Miller Brooks) is pleased to submit this report documenting a sampling and analysis program conducted on the eastern 550-acre portion (Site) of the 1615-acre GreenPark Runkle Canyon, LLC Runkle Canyon Property (Property), located at the southern terminus of Sequoia Avenue, south of the City of Simi Valley in Ventura County, California (Figure 1).

Introduction

The Site consists of a north-south trending canyon that is currently used for cattle grazing. A vacated gravel quarry was located on the southwestern portion of the Property. Features associated with the quarry included a small building, a conveyor system, and asphalt roadways. The canyon contains unconsolidated fill material generated from the quarrying activities. A small stream, that drains to the north, has down cut into the fill in the canyon exposing once buried material.

During site reconnaissance activities, some asphaltic material was observed in one area on the sidewall of the stream channel. Follow-up analysis indicates that the asphalt was most likely part of the road system for the former quarry operations. The material consisted of a road-base mixture that had been buried in the fill and exposed due to the stream cut. In addition, there was a slight sheen observed on stagnant water within the streambed adjacent to the exposed asphaltic material. During this site reconnaissance, the stream was at a very low-flow state and there was evidence that cattle had been in and around the stream. Having observed the asphaltic material and the sheen on the water, Miller Brooks was directed to collect samples of both the asphaltic material and surface water in order to assess the nature of specific chemicals that might be found in the asphalt and the water in the stream. The site investigation, conducted on October 24, 2002, included the collection of one surface sample of asphaltic material and one surface water sample for laboratory analysis (Figure 2).

Asphaltic Material Sampling and Laboratory Analyses

The asphaltic material was collected using standard local, state and federal agency protocols as outlined by the American Society for Testing and Materials (ASTM, 1998). The sample was collected in a brass ring, capped with Teflon sheeting and plastic end caps and placed in a cooler

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for transport to Orange Coast Analytical, a State of California Department of Health Services-certified laboratory for analysis for the following constituents: total petroleum hydrocarbons-extractable (TPH-E; Environmental Protection Agency [EPA] Method 8015) total recoverable petroleum hydrocarbons (TRPH; EPA Method 418.1), oil and grease (O&G; EPA Method 413.1), volatile organic compounds (VOCs; EPA Method 8260B), and Title 22 metals. These constituents were selected because this is the industry standard for an analytical screen performed to determine the presence of hazardous chemicals. The sample was also digested and extracted according to the EPA Method 1310A (Waste Extraction Test [WET]), and the resulting leachate was analyzed for VOCs using EPA Method 8260B, polynuclear aromatic hydrocarbons (PNAs; EPA Method 8310), and pesticides and polychlorinated biphenyls (PCBs; EPA Method 8082; EPA, 1997). EPA Method 3010A was performed to determine if the sample contained soluble or leachable constituents.

Surface Water Sampling and Laboratory Analyses

The surface water samples were collected in glass jars, placed in a cooler for transport to Orange Coast Analytical and analyzed for TPH-E, TRPH, O&G, and VOCs using the EPA Methods specified above. These constituents were selected to screen the sample because of the sheen on the water and proximity to the asphalitc material.

Results

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 milligrams per Liter (mg/L) TPH-E, 0.066 micrograms per Liter (ug/L) benzo(b)fluoranthene, and 0.15 ug/L phenanthrene. All Title 22 metals (listed in Table 1) concentrations were below state and federal regulatory limits (see Table 1). No VOCs or PCBs were detected in the sample. Laboratory analysis of the surface water sample showed no detected concentrations of TPH-E, TRPH, O&G, or VOCs. The results of laboratory analysis of the samples are summarized in Table 1 and the official laboratory report and chain of custody record are attached in Appendix B.

Discussion, Conclusions and Recommendations

Analytical results obtained for the surface asphaltic material sample are typical of analytical results for asphalt. Asphalt in the environment is considered to pose minimal risks to human health. Asphalt is currently used for many household applications as well as to cover roads, parking lots, athletic fields and school playgrounds. Asphaltic material as a whole is not considered to pose a significant risk to human health. However, chemicals that may leach out of the asphaltic material can pose a risk to human health, however, this is only the case if: (1) the asphaltic material contains potentially toxic chemicals; and, (2) the potentially toxic chemicals leach out of the asphaltic material in high enough concentrations. The chemicals in asphaltic material that are of toxicological significance are the aromatic hydrocarbons, PNAs and heavy metals (Robles, 2003).

Analytical results obtained for the sample indicate that aromatic hydrocarbons (in the form of VOCs) are not present at detectable concentrations. The metals in the sample were either below detectable levels or at levels below the state average metal concentrations for California soils (Table 1; Kearney, 1996). The asphalitc material was not analyzed for PNAs because the matrix effect caused by the asphalt content would have generated a high detection limit masking any concentrations. However, the PNAs found in the leachate from the sample were not at

concentrations considered by state and federal agencies to pose a health risk to adults and children (Table 1; Robles, 2003). Although the asphaltic material does not pose a health risk, the material may be removed from shallow backfill for aesthetic reasons.

Statement of Limitations and Professional Certification

This report was prepared for the sole use of Nossaman, Guthner, Knox and Elliot, LLP and GreenPark Runkle Canyon, LLC. Any other use without the express written consent of Miller Brooks is prohibited. The conclusions herein are based solely upon the agreed written 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 that was not found or available to Miller Brooks at the time of writing this report, may result in modification of the conclusions 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 was supervised or personally conducted by the licensed professional whose signature and license number appears below.

Jennifer L. Canfield
Project Geologist

Elizabeth A. Robbins, RG 4874
Senior Geologist

REGISTERED GEOLOGIST
ELIZABETH A. ROBBINS
No. 4874
Exp. 02/09
STATE OF CALIFORNIA

Attachments: Table 1 - Results of Laboratory Analysis of Asphaltic Material and Surface Water Samples
Figure 1 - Vicinity Map
Figure 2 - Site Plan Showing Sample Locations
Attachment - Official Laboratory Reports and Chain of Custody Records

01-402-0002-02

REFERENCES

American Society of Testing and Materials, 1998, ASTM Standards Related to the Phase II Environmental Site Assessment Process, ASTM Stock #: Phase 2.

Environmental Protection Agency, 1997, Test Methods for Evaluating Solid Waste Physical/Chemical Methods, National Technical Information Service, December.

Kearney Foundation of Soil Science, 1996, Range of Concentrations of Trace and Major Elements in California Soil, March.

Robles, 2003, Email communication, Enviro-Tox Services, Inc., March 9.

TABLE

for TRP H_2O

TABLE 1. RESUTLS OF LABORATORY ANALYSES OF ASPHALTIC MATERIAL AND WATER SAMPLES COLLECTED ON OCTOBER 24, 2002
Green Park Runkle Canyon, LLC
Runkle Canyon Property

SOIL SAMPLE ID	DATE SAMPLED	METHOD 8015B M TPH (mg/kg)		STLC METHOD 8015B M TPH (mg/l)		METHOD 418.1 TRPH (mg/kg)	METHOD 413.2 O & G (mg/kg)	METHOD 8260B VOCS (µg/kg)	STLC METHOD 8260B VOCS (µg/L)
RR-SS-1	10/24/02	C7-C36	32,000	C7-C36	8.8	6,200	9,700	ND <50 - 1,000	ND <0.5 - 20
		C7-C9	2.1	C7-C9	0.063				
		C10-C11	0.89	C10-C11	0.11				
		C12-C13	17	C12-C13	0.14				
		C14-C15	220	C14-C15	0.17				
		C16-C17	790	C16-C17	0.35				
		C18-C19	1,900	C18-C19	0.54				
		C20-C21	2,600	C20-C21	0.82				
		C22-C23	2,800	C22-C23	1.2				
		C24-C25	3,800	C24-C25	0.98				
		C26-C27	5,200	C26-C27	1.2				
		C28-C30	8,200	C28-C30	1.8				
		C30-C36	6,800	C30-C36	1.4				

TITLE 22 METALS (mg/kg)		PRG	TTLC	STLC	SA
Antimony	<5.0	1	500	15	0.6
Arsenic	1.2	0.39	500	5.0	3.5
Barium	41	5,400	10,000	100	509
Berylium	0.67	150	75	0.75	1.28
Cadmium	<0.5	37	100	1.0	0.36
Chromium VI	<0.5	30	500	5.0	NA
Chromium Total	10	210	2,500	5.0	122
Cobalt	8.6	900	8,000	80	14.9
Copper	16	3,100	2,500	25	28.7
Lead	4.5	400	1,000	5.0	23.9
Mercury	<0.1	6.1	20	0.2	0.26
Molybdenum	<1.0	390	3,500	350	1.3
Nickel	19	1,600	2,000	20	57
Selenium	<5.0	390	100	1.0	0.058
Silver	0.87	390	500	5.0	0.80
Thallium	<5.0	5.2	700	7.0	15.7
Vanadium	33	550	2,400	24	112
Zinc	47	23,000	5,000	250	149

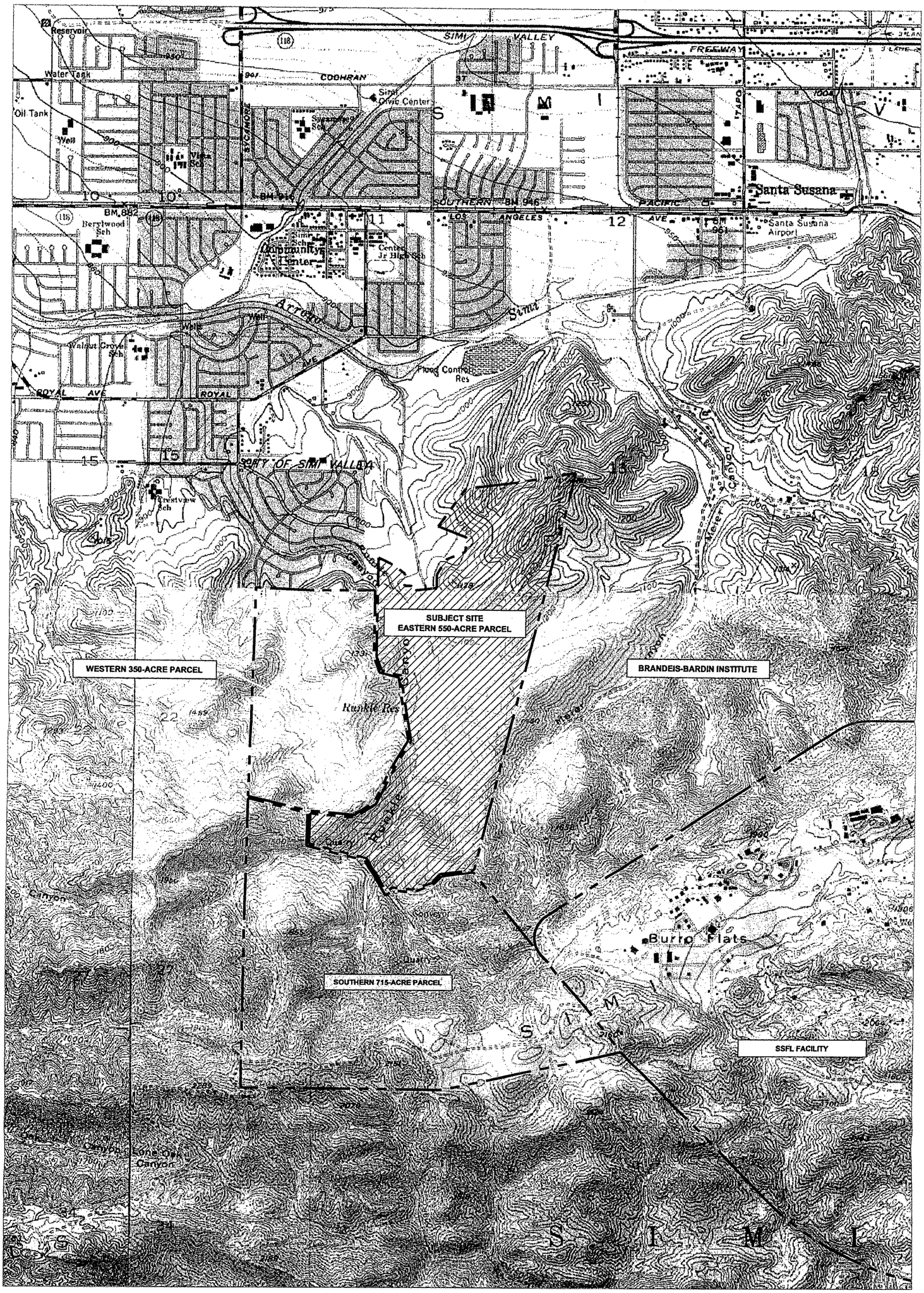
STLC METHOD 8310 PNAS (µg/L)		PRG
Benzo(b)fluoranthene	0.066	0.00092
Phenanthrene ?	0.15	0.0062
Other PNAs	<0.05	NA
NAPHTHALENE	0.063	6.2

STLC METHOD 8081 (OCP) & 8082 (PCBS) (µg/L)	
OCP	ND<0.5 - 45
PCB	ND<5.0

WATER SAMPLE ID	DATE SAMPLED	METHOD 8015B M TPH (mg/l)	STLC METHOD 8015B M TPH (mg/l)	METHOD 418.1 TRPH (mg/l)	METHOD 413.2 O & G (mg/l)	METHOD 8260B VOCS (µg/l)	STLC METHOD 8260B VOCS (µg/l)	TITLE 22 METALS	STLC METHOD 8310 PNAS	STLC METHOD 8081 (OCP) & 8082 (PCBS)
RR-Swater-1	10/24/02	ND<0.5	--	ND<0.5	ND<0.5	ND <5.0 - 200	--	--	NA	NA

Notes:
- TPH - total petroleum hydrocarbons
- mg/kg - milligrams per kilogram
- STLC - Soluble Threshold Limit Concentration
- mg/l - milligrams per liter
- TRPH - total recoverable petroleum hydrocarbons
- O & G - oil and grease
- VOCS - volatile organic compounds
- µg/kg - micrograms per kilogram
- µg/l - micrograms per liter
- PNAS - polynuclear aromatics
- OCP - organochlorinated pesticides
- PCBS - polychlorinated biphenyls
- C7-C36 - carbon chain
- **Bold** - detected concentration
- ND - Not detected at or above laboratory detection limits as shown (e.g. <0.5)
- PRG - Preliminary Remediation Goal for residential soils
- TTLC - Total Threshold Limit Concentration
- SA - State Average (Kearney, 1996)
- * - PRG for naphthalene (which is comparable to phenanthrene)
- NA - not available
- -- - not analyzed

FIGURES

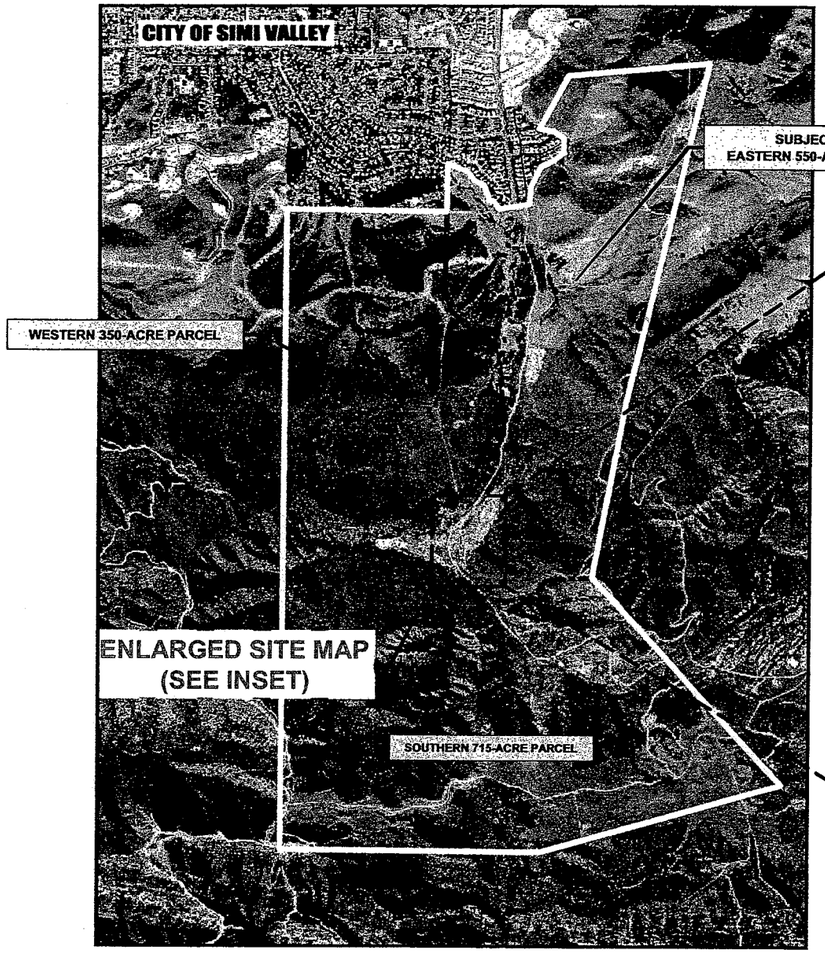


N
W E
S

0 2000 Feet
SCALE

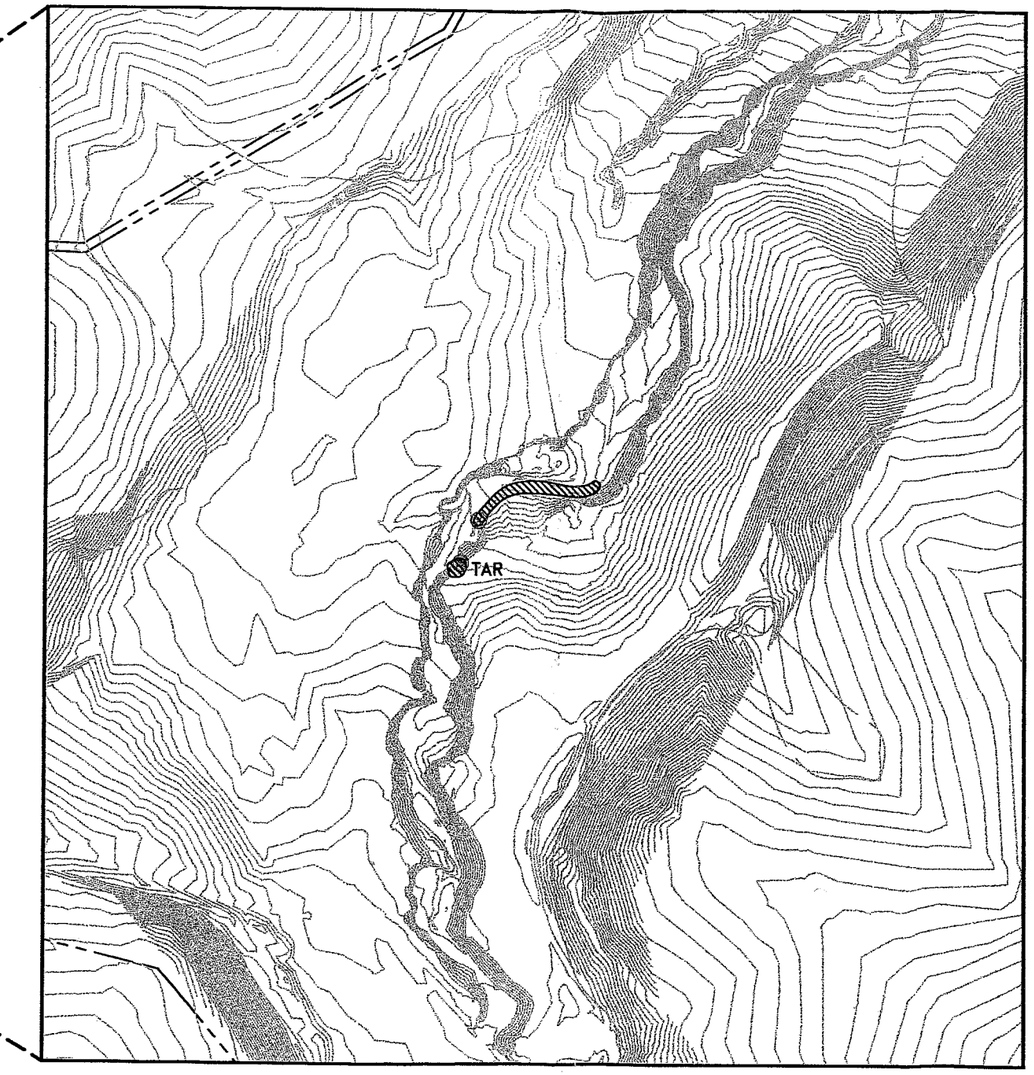
MILLER BROOKS Environmental, Inc.	DRAWN BY: PEL DATE: 11/21/02 REVISED BY: AIL	VICINITY MAP
2124 MAIN STREET, SUITE 200 HUNTINGTON BEACH, CA. 92648 (714) 960-4088	REVISED: 04/29/03 APPROVED BY: EAR	RUNKLE CANYON PROPERTY SIMI VALLEY, CA.
PROJECT NO. 01-406-0002-02	DATE: 04/29/03	FILE: K:\DWGS\RUNKLE RANCH\VICINITY MAP DATE PLOTTED: 04/29/03

FIGURE 1



SITE MAP

0 2500 Feet
SCALE



ENLARGED SITE MAP

0 250 Feet
SCALE

LEGEND

- ASPHALTIC MATERIAL
- SPRING
- ⊗ SAMPLE LOCATION
- RUNKLE CANYON PROPERTY
- PARCEL BOUNDARY

MILLER BROOKS Environmental, Inc.	DRAWN BY: PEL DATE: 04/21/03 REVISED BY: AIL	SITE PLAN SHOWING SAMPLE LOCATIONS	FIGURE 2
2124 MAIN STREET, SUITE 200 HUNTINGTON BEACH, CA. 92648 (714) 960-4088	REVISED: 05/21/03 APPROVED BY: EAR	RUNKLE CANYON 550 ACRE PARCEL SIMI VALLEY, CA.	
PROJECT NO. 01-402-0002-03	DATE: 05/21/03	FILE: K:\DWGS\RUNKLE CANYON\ASPHALT SAMPLING\SITE PLAN DATE PLOTTED: 05/21/03	

ATTACHMENT

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.: 01-406-0002-02

Project Name: Green Park

Laboratory Reference: MBE 13788

Analytical Method: CCID, Inorganics, 8260, 8310, 8081, STLC

Date Sampled: 10/24/02
Date Received: 10/24/02
Date Reported: 11/05/02

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: Green Park
Client Project #: 01-406-0002-02

Analysis Method: 8015m

Sample Description: Soil

Laboratory Reference #: MBE 13788

Sampled: 10/24/02
Received: 10/24/02
Analyzed: 10/25/02
Reported: 11/05/02

Lab Sample #:	MB1025A	02100246
Client Sample #:	---	RR-SS-1
Reporting Unit:	***mg/kg***	***mg/kg***
C7-9	N.D.	2.1
C10-11	N.D.	0.89
C12-13	N.D.	17
C14-15	N.D.	220
C16-17	N.D.	790
C18-19	N.D.	1900
C20-21	N.D.	2600
C22-23	N.D.	2800
C24-25	N.D.	3800
C26-27	N.D.	5200
C28-30	N.D.	8200
C31-36	N.D.	6800
Total	N.D.	32000
Detection Limit	8.0	8.0

Analytes reported as N.D. were not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

Analysis Method: STLC 8015m

Sample Description: Soil

Laboratory Reference #: MBE 13788

Sampled: 10/24/02
Received: 10/24/02
Analyzed: 10/28/02
Reported: 11/05/02

Lab Sample #:	MB1028	02100246
Client Sample #:	---	RR-SS-1
Reporting Unit:	***mg/l***	***mg/l***
C7-9	N.D.	0.063
C10-11	N.D.	0.11
C12-13	N.D.	0.14
C14-15	N.D.	0.17
C16-17	N.D.	0.35
C18-19	N.D.	0.54
C20-21	N.D.	0.82
C22-23	N.D.	1.2
C24-25	N.D.	0.98
C26-27	N.D.	1.2
C28-30	N.D.	1.8
C31-36	N.D.	1.4
Total	N.D.	8.8
Detection Limit	0.5	0.5

Analytes reported as N.D. were not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

Sampled: 10/24/02
Received: 10/24/02
Analyzed: 10/28/02
Reported: 11/05/02

Sample Description: Soil

Laboratory Reference #: MBE 13788

OIL & GREASE (EPA 413.2)

LABORATORY SAMPLE NUMBER	*CLIENT SAMPLE NUMBER*	*SAMPLE RESULTS mg/kg*
MB 02100246	--- RR-SS-1	9700
Detection Limit:		8.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

Sample Description: Soil

Laboratory Reference #: MBE 13788

Sampled: 10/24/02
Received: 10/24/02
Analyzed: 10/28/02
Reported: 11/05/02

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

LABORATORY SAMPLE NUMBER	*CLIENT SAMPLE NUMBER*	*SAMPLE RESULTS mg/kg*
MB	---	
02100246	RR-SS-1	6,200
Detection Limit:		8.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

SAMPLE DESCRIPTION: Soil

Laboratory Reference #: MBE 13788

Sampled:	---	10/24/02
Received:	---	10/24/02
Analyzed:	11/01/02	11/01/02
Reported:	11/05/02	11/05/02
Lab Sample I.D.	MB1101	02100246
Client Sample I.D.	---	RR-SS-1

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT µg/kg***	***SAMPLE RESULTS µg/kg***	***µg/kg***
Benzene	71-43-2	2.5	<2.5	<50
Bromodichloromethane	75-27-4	2.5	<2.5	<50
Bromoform	75-25-2	2.5	<2.5	<50
Bromomethane	74-83-9	5.0	<5.0	<100
Carbon Disulfide	75-15-0	5.0	<5.0	<100
Carbon tetrachloride	56-23-5	2.5	<2.5	<50
Chlorobenzene	108-90-7	2.5	<2.5	<50
Chlorodibromomethane	124-48-1	2.5	<2.5	<50
Chloroethane	75-00-3	5.0	<5.0	<100
Chloroform	67-66-3	2.5	<2.5	<50
Chloromethane	74-87-3	5.0	<5.0	<100
1,1-Dichloroethane	75-34-3	2.5	<2.5	<50
1,2-Dichloroethane	107-06-2	2.5	<2.5	<50
1,1-Dichloroethene	75-35-4	2.5	<2.5	<50
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5	<50
1,2-Dichloropropane	78-87-5	2.5	<2.5	<50
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5	<50
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5	<50
Ethylbenzene	100-41-4	2.5	<2.5	<50
Methylene chloride	75-09-2	5.0	<5.0	<100
Styrene	100-42-5	2.5	<2.5	<50
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<50
Tetrachloroethene	127-18-4	2.5	<2.5	100
Toluene	108-88-3	2.5	<2.5	<50
1,1,1-Trichloroethane	71-55-6	2.5	<2.5	<50
1,1,2-Trichloroethane	79-00-5	2.5	<2.5	<50
Trichloroethene	79-01-6	2.5	<2.5	<50
Trichlorofluoromethane	75-69-4	5.0	<5.0	<100
Vinyl acetate	108-05-4	5.0	<5.0	<100
Vinyl chloride	75-01-4	2.5	<2.5	<50
Total Xylenes	1330-20-7	2.5	<2.5	<50
Dichlorodifluoromethane	75-71-8	2.5	<2.5	<50
cis-1,2-Dichloroethene	156-59-2	2.5	<2.5	<50
2,2-Dichloropropane	594-20-7	2.5	<2.5	<50

INT

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

Laboratory Reference #: MBE 13788		***Sampled:***	---	10/24/02
		Received:	---	10/24/02
Client Project ID: Green Park		***Analyzed:***	11/01/02	11/01/02
Client Project #: 01-406-0002-02		***Reported:***	11/05/02	11/05/02
		Lab Sample I.D.	MB1101	02100246
		Client Sample I.D.	---	RR-SS-1

ANALYTE (CONT)	***CAS NUMBER***	***DETECTION LIMIT µg/kg***	***SAMPLE RESULTS µg/kg***	***µg/kg***
Bromochloromethane	74-97-5	2.5	<2.5	<50
,1-Dichloropropene	563-58-6	2.5	<2.5	<50
romomethane	74-95-3	2.5	<2.5	<50
Dibromoethane	106-93-4	2.5	<2.5	<50
,3-Dichloropropane	142-28-9	2.5	<2.5	<50
sopropylbenzene	98-82-8	2.5	<2.5	<50
1,1,1,2-Tetrachloroethane	630-20-6	2.5	<2.5	<50
,2,3-Trichloropropane	96-18-4	2.5	<2.5	<50
Bromobenzene	108-86-1	2.5	<2.5	<50
-Propylbenzene	103-65-1	2.5	<2.5	<50
2-Chlorotoluene	95-49-8	2.5	<2.5	<50
,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<50
-Chlorotoluene	106-43-4	2.5	<2.5	<50
ert-Butylbenzene	98-06-6	2.5	<2.5	<50
,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<50
ec-Butylbenzene	135-98-8	2.5	<2.5	<50
4-Isopropyltoluene	99-87-6	2.5	<2.5	<50
,3-Dichlorobenzene	541-73-1	2.5	<2.5	<50
,4-Dichlorobenzene	106-46-7	2.5	<2.5	<50
n-Butylbenzene	104-51-8	2.5	<2.5	<50
,2-Dichlorobenzene	95-50-1	2.5	<2.5	<50
-2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<100
,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<50
Hexachlorobutadiene	87-68-3	2.5	<2.5	<50
aphthalene	91-20-3	2.5	<2.5	<50
,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<50
MTBE	1634-04-4	5.0	<5.0	<100
IPE	108-20-3	10	<10	<200
AME	955-05-8	10	<10	<200
ETBE	637-92-3	10	<10	<200
TBA	75-65-0	50	<50	<1000

SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***
Dibromofluoromethane	38-168	96	92
Toluene-d8	68-134	105	105
4-Bromofluorobenzene	58-146	100	98

INT

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

SAMPLE DESCRIPTION: Soil

Laboratory Reference #: MBE 13788

Sampled:	---	10/24/02
Received:	---	10/24/02
Analyzed:	11/01/02	11/01/02
Reported:	11/05/02	11/05/02
Lab Sample I.D.	MB1101	02100246
Client Sample I.D.	---	RR-SS-1

STLC VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

INT

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

Laboratory Reference #: MBE 13788

Client Project ID: Green Park
Client Project #: 01-406-0002-02

Sampled:	---	10/24/02
Received:	---	10/24/02
Analyzed:	11/01/02	11/01/02
Reported:	11/05/02	11/05/02
Lab Sample I.D.	MB1101	02100246
Client Sample I.D.	---	RR-SS-1

ANALYTE (CONT)	***CAS NUMBER***	***DETECTION LIMIT µg/l***	***SAMPLE RESULTS µg/l***	***µg/l***
Bromochloromethane	74-97-5	0.5	<0.5	<0.5
1,1-Dichloropropene	563-58-6	0.5	<0.5	<0.5
Dibromomethane	74-95-3	0.5	<0.5	<0.5
1,2-Dibromoethane	106-93-4	0.5	<0.5	<0.5
1,3-Dichloropropane	142-28-9	0.5	<0.5	<0.5
Isopropylbenzene	98-82-8	0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	630-20-6	0.5	<0.5	<0.5
1,2,3-Trichloropropane	96-18-4	0.5	<0.5	<0.5
Bromobenzene	108-86-1	0.5	<0.5	<0.5
n-Propylbenzene	103-65-1	0.5	<0.5	<0.5
2-Chlorotoluene	95-49-8	0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	108-67-8	0.5	<0.5	<0.5
4-Chlorotoluene	106-43-4	0.5	<0.5	<0.5
tert-Butylbenzene	98-06-6	0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	95-63-6	0.5	<0.5	<0.5
sec-Butylbenzene	135-98-8	0.5	<0.5	<0.5
4-Isopropyltoluene	99-87-6	0.5	<0.5	<0.5
1,3-Dichlorobenzene	541-73-1	0.5	<0.5	<0.5
1,4-Dichlorobenzene	106-46-7	0.5	<0.5	<0.5
n-Butylbenzene	104-51-8	0.5	<0.5	<0.5
1,2-Dichlorobenzene	95-50-1	0.5	<0.5	<0.5
1-2-Dibromo-3-CPA	96-12-8	1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	120-82-1	0.5	<0.5	<0.5
Hexachlorobutadiene	87-68-3	0.5	<0.5	<0.5
Naphthalene	91-20-3	0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	87-61-6	0.5	<0.5	<0.5
MTBE	1634-04-4	1.0	<1.0	<1.0
DIPE	108-20-3	2.0	<2.0	<2.0
TAME	955-05-8	2.0	<2.0	<2.0
ETBE	637-92-3	2.0	<2.0	<2.0
TBA	75-65-0	20	<20	<20

SURROGATE RECOVERY	***Acceptable %RC***	***%RC***	***%RC***
Dibromofluoromethane	49-160	98	95
Toluene-d8	61-140	104	104
4-Bromofluorobenzene	41-170	100	98

INT

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

SAMPLE DESCRIPTION: Soil

Sampled:	---	10/24/02
Received:	---	10/24/02
Reported:	11/05/02	11/05/02

Laboratory Reference #: MBE 13788

Lab Sample I.D.	MB	02100246
Client Sample I.D.	---	RR-SS-1

CCR METALS

ANALYTE	***DATE TESTED***	***EPA METHOD***	***DETECTION LIMIT mg/kg***	***SAMPLE RESULTS***	
				mg/kg	***mg/kg***
Antimony	10/25/02	6010	5.0	<5.0	<5.0
Arsenic	10/25/02	6010	1.0	<1.0	1.2
Barium	10/25/02	6010	0.5	<0.5	41
Beryllium	10/25/02	6010	0.5	<0.5	0.67
Cadmium	10/25/02	6010	0.5	<0.5	<0.5
Chromium (VI)	10/24/02	7196	0.5	<0.5	<0.5
Chromium (Total)	10/25/02	6010	0.5	<0.5	10
Cobalt	10/25/02	6010	0.5	<0.5	8.6
Copper	10/25/02	6010	0.5	<0.5	16
Lead	10/25/02	6010	1.0	<1.0	4.5
Mercury	10/25/02	7471	0.1	<0.1	<0.1
Molybdenum	10/25/02	6010	1.0	<1.0	<1.0
Nickel	10/25/02	6010	0.5	<0.5	19
Selenium	10/25/02	6010	5.0	<5.0	<5.0
Silver	10/25/02	6010	0.5	<0.5	0.87
Thallium	10/25/02	6010	5.0	<5.0	<5.0
Vanadium	10/25/02	6010	0.5	<0.5	33
Zinc	10/25/02	6010	0.5	<0.5	47

INT

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

SAMPLE DESCRIPTION: Soil

Laboratory Reference #: MBE 13788

Sampled:	---	10/24/02
Received:	---	10/24/02
Analyzed:	10/31/02	10/31/02
Reported:	11/05/02	11/05/02
Lab Sample I.D.	MB	02100246
Client Sample I.D.	---	RR-SS-1

STLC ANALYTICAL TEST RESULTS EPA 8310

ANALYTE	DETECTION LIMIT µg/l	SAMPLE RESULTS µg/l	µg/l
Acenaphthene	0.05	<0.05	<0.05
Acenaphthylene	0.05	<0.05	<0.05
Anthracene	0.05	<0.05	<0.05
Benzo(a)anthracene	0.05	<0.05	<0.05
Benzo(a)pyrene	0.05	<0.05	<0.05
Benzo(b)fluoranthene	0.05	<0.05	0.066
Benzo(k)fluoranthene	0.05	<0.05	<0.05
Benzo(g,h,i)perylene	0.05	<0.05	<0.05
Chrysene	0.05	<0.05	<0.05
Dibenzo(a,h)anthracene	0.05	<0.05	<0.05
Fluoranthene	0.05	<0.05	<0.05
Pyrene	0.05	<0.05	<0.05
Fluorene	0.05	<0.05	<0.05
Phenanthrene	0.05	<0.05	0.15
Indeno(1,2,3-dc)pyrene	0.05	<0.05	<0.05
Naphthalene	0.05	<0.05	0.063 — NOT IN TABLE 1

SURROGATE RECOVERY

	Acceptable %RC	%RC	%RC
Nitrobenzene-d5	20 - 110	108	102

INT

liller Brooks Environmental
..TTN: Ms. Elizabeth Robbins
2124 Main St. Suite 200
untington Beach, CA 92648

Client Project ID: Green Park
Client Project #: 01-406-0002-02

AMPLE DESCRIPTION: Water

Laboratory Reference #: MBE 13788

Sampled:	10/24/02
Received:	10/24/02
Analyzed:	12/05/02
Reported:	12/10/02
Lab Sample I.D.	02100246
Client Sample I.D.	RR-SS-1

TLC POLYCHLORINATED BIPHENYL'S (EPA 8082)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT µg/l***	***SAMPLE RESULTS µg/l***
PCB-1016	12674-11-2	5.0	<5.0
CB-1221	111104-28-2	5.0	<5.0
CB-1232	11141-16-5	5.0	<5.0
PCB-1242	53469-21-9	5.0	<5.0
CB-1248	12672-29-6	5.0	<5.0
CB-1254	11097-69-1	5.0	<5.0
B-1260	11096-82-5	5.0	<5.0

INT

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

SAMPLE DESCRIPTION: Soil

Laboratory Reference #: MBE 13788

Sampled:	---	10/24/02
Received:	---	10/24/02
Analyzed:	10/31/02	10/31/02
Reported:	11/05/02	11/05/02
Lab Sample I.D.	MB1031	02100246
Client Sample I.D.	---	RR-SS-1

STLC ORGANOCHLORINATED PESTICIDES (EPA 8081)

ANALYTE	CAS NUMBER	DETECTION LIMIT µg/l	SAMPLE RESULTS µg/l	µg/l
Aldrin	309-00-2	0.1	<0.1	<0.5
alpha-BHC	319-84-6	0.2	<0.2	<1.0
beta-BHC	319-85-7	0.2	<0.2	<1.0
delta-BHC	319-86-8	0.2	<0.2	<1.0
gamma-BHC (Lindane)	58-89-9	0.2	<0.2	<1.0
Chlordane	57-74-9	0.2	<0.2	<1.0
4,4'-DDD	72-54-8	0.5	<0.5	<2.5
4,4'-DDE	72-55-9	0.1	<0.1	<0.5
4,4'-DDT	50-29-3	0.1	<0.1	<0.5
Dieldrin	60-57-1	0.5	<0.5	<2.5
Endosulfan I	959-98-8	0.5	<0.5	<2.5
Endosulfan II	33212-65-9	0.5	<0.5	<2.5
Endosulfan sulfate	1031-07-8	0.5	<0.5	<2.5
Endrin	72-20-8	0.02	<0.0	<0.1
Endrin aldehyde	7421-93-4	0.2	<0.2	<1.0
Heptachlor	76-44-8	0.1	<0.1	<0.5
Heptachlor epoxide	1024-57-3	0.2	<0.2	<1.0
Methoxychlor	72-43-5	9.0	<9.0	<45
Toxaphene	8001-35-2	0.5	<0.5	<2.5

SURROGATE RECOVERY	Acceptable %RC	%RC	%RC
TCMX	D-133	52	80

INT ____

Orange Coast Analytical, Inc

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

Sampled: 10/24/02
Received: 10/24/02
Analyzed: 10/28/02
Reported: 11/05/02

Sample Description: Water

Laboratory Reference #: MBE 13788

OIL & GREASE (EPA 413.2)

LABORATORY SAMPLE NUMBER	***CLIENT SAMPLE NUMBER***	***SAMPLE RESULTS mg/l***
MB	---	N.D.
02100247	RR-Swater-1	N.D.
Detection Limit:		0.5

Analyte reported as N.D. was not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

Sample Description: Water

Sampled: 10/24/02
Received: 10/24/02
Analyzed: 10/28/02
Reported: 11/05/02

Laboratory Reference #: MBE 13788

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

LABORATORY SAMPLE NUMBER	*CLIENT SAMPLE NUMBER*	*SAMPLE RESULTS mg/l*
MB	---	N.D.
02100247	RR-Swater-1	N.D.
Detection Limit:		0.5

Analyte reported as N.D. was not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

SAMPLE DESCRIPTION: Water

Laboratory Reference #: MBE 13788

Sampled:	---	10/24/02
Received:	---	10/24/02
Analyzed:	11/04/02	11/04/02
Reported:	11/05/02	11/05/02
Lab Sample I.D.	MB1104	02100247
Client Sample I.D.	---	RR-Swater-1

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT µg/l	SAMPLE RESULTS µg/l	µg/l
Benzene	71-43-2	0.5	<0.5	<5.0
Bromodichloromethane	75-27-4	1.0	<1.0	<10
Bromoform	75-25-2	0.5	<0.5	<5.0
Bromomethane	74-83-9	5.0	<5.0	<50
Carbon Disulfide	75-15-0	0.5	<0.5	<5.0
Carbon tetrachloride	56-23-5	0.5	<0.5	<5.0
Chlorobenzene	108-90-7	0.5	<0.5	<5.0
Chlorodibromomethane	124-48-1	0.5	<0.5	<5.0
Chloroethane	75-00-3	5.0	<5.0	<50
Chloroform	67-66-3	0.5	<0.5	<5.0
Chloromethane	74-87-3	5.0	<5.0	<50
1,1-Dichloroethane	75-34-3	0.5	<0.5	<5.0
,2-Dichloroethane	107-06-2	0.5	<0.5	<5.0
,1-Dichloroethene	75-35-4	1.0	<1.0	<10
trans-1,2-Dichloroethene	156-60-5	0.5	<0.5	<5.0
1,2-Dichloropropane	78-87-5	0.5	<0.5	<5.0
is-1,3-Dichloropropene	10061-01-5	0.5	<0.5	<5.0
trans-1,3-Dichloropropene	10061-02-6	0.5	<0.5	<5.0
Ethylbenzene	100-41-4	0.5	<0.5	<5.0
Methylene chloride	75-09-2	5.0	<5.0	<50
Styrene	100-42-5	0.5	<0.5	<5.0
1,1,2,2-Tetrachloroethane	79-34-5	0.5	<0.5	<5.0
Tetrachloroethene	127-18-4	0.5	<0.5	<5.0
Toluene	108-88-3	0.5	<0.5	<5.0
1,1,1-Trichloroethane	71-55-6	0.5	<0.5	<5.0
,1,2-Trichloroethane	79-00-5	0.5	<0.5	<5.0
Trichloroethene	79-01-6	0.5	<0.5	<5.0
Trichlorofluoromethane	75-69-4	2.0	<2.0	<20
Vinyl acetate	108-05-4	5.0	<5.0	<50
Vinyl chloride	75-01-4	1.0	<1.0	<10
Total Xylenes	1330-20-7	1.0	<1.0	<10
Dichlorodifluoromethane	75-71-8	2.0	<2.0	<20
is-1,2-Dichloroethene	156-59-2	0.5	<0.5	<5.0
2,2-Dichloropropane	594-20-7	0.5	<0.5	<5.0

INT

Orange Coast Analytical, Inc

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

Laboratory Reference #: MBE 13788

Client Project ID: Green Park
Client Project #: 01-406-0002-02

Sampled:	---	10/24/02
Received:	---	10/24/02
Analyzed:	11/04/02	11/04/02
Reported:	11/05/02	11/05/02
Lab Sample I.D.	MB1104	02100247
Client Sample I.D.	---	RR-Swater-1

ANALYTE (CONT)	*CAS NUMBER*	*DETECTION LIMIT µg/l*	*SAMPLE RESULTS µg/l*	*µg/l*
Bromochloromethane	74-97-5	0.5	<0.5	<5.0
1,1-Dichloropropene	563-58-6	0.5	<0.5	<5.0
Dibromomethane	74-95-3	0.5	<0.5	<5.0
1,2-Dibromoethane	106-93-4	0.5	<0.5	<5.0
1,3-Dichloropropane	142-28-9	0.5	<0.5	<5.0
Isopropylbenzene	98-82-8	0.5	<0.5	<5.0
1,1,1,2-Tetrachloroethane	630-20-6	0.5	<0.5	<5.0
1,2,3-Trichloropropane	96-18-4	0.5	<0.5	<5.0
Bromobenzene	108-86-1	0.5	<0.5	<5.0
n-Propylbenzene	103-65-1	0.5	<0.5	<5.0
2-Chlorotoluene	95-49-8	0.5	<0.5	<5.0
1,3,5-Trimethylbenzene	108-67-8	0.5	<0.5	<5.0
4-Chlorotoluene	106-43-4	0.5	<0.5	<5.0
tert-Butylbenzene	98-06-6	0.5	<0.5	<5.0
1,2,4-Trimethylbenzene	95-63-6	0.5	<0.5	<5.0
sec-Butylbenzene	135-98-8	0.5	<0.5	<5.0
4-Isopropyltoluene	99-87-6	0.5	<0.5	<5.0
1,3-Dichlorobenzene	541-73-1	0.5	<0.5	<5.0
1,4-Dichlorobenzene	106-46-7	0.5	<0.5	<5.0
n-Butylbenzene	104-51-8	0.5	<0.5	<5.0
1,2-Dichlorobenzene	95-50-1	0.5	<0.5	<5.0
1-2-Dibromo-3-CPA	96-12-8	1.0	<1.0	<10
1,2,4-Trichlorobenzene	120-82-1	0.5	<0.5	<5.0
Hexachlorobutadiene	87-68-3	0.5	<0.5	<5.0
Naphthalene	91-20-3	0.5	<0.5	<5.0
1,2,3-Trichlorobenzene	87-61-6	0.5	<0.5	<5.0
MTBE	1634-04-4	1.0	<1.0	<10
DIPE	108-20-3	2.0	<2.0	<20
TAME	955-05-8	2.0	<2.0	<20
ETBE	637-92-3	2.0	<2.0	<20
TBA	75-65-0	20	<20	<200

SURROGATE RECOVERY	*Acceptable %RC*	*%RC*	*%RC*
Dibromofluoromethane	49-160	101	104
Toluene-d8	61-140	102	101
4-Bromofluorobenzene	41-170	99	98

INT

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

Analysis Method: STLC 8015m

Sample Description: Soil

Laboratory Reference #: MBE 13788

Sampled: 10/24/02
Received: 10/24/02
Analyzed: 10/28/02
Reported: 11/05/02

Lab Sample #:	MB1028	02100246
Client Sample #:	---	RR-SS-1
Reporting Unit:	***mg/l***	***mg/l***
C7-9	N.D.	0.063
C10-11	N.D.	0.11
C12-13	N.D.	0.14
C14-15	N.D.	0.17
C16-17	N.D.	0.35
C18-19	N.D.	0.54
C20-21	N.D.	0.82
C22-23	N.D.	1.2
C24-25	N.D.	0.98
C26-27	N.D.	1.2
C28-30	N.D.	1.8
C31-36	N.D.	1.4
Total	N.D.	8.8
Detection Limit	0.5	0.5

Analytes reported as N.D. were not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

Analysis Method: 8015m

Sample Description: Soil

Laboratory Reference #: MBE 13788

Sampled: 10/24/02
Received: 10/24/02
Analyzed: 10/25/02
Reported: 11/05/02

Lab Sample #:	MB1025A	02100246
Client Sample #:	---	RR-SS-1
Reporting Unit:	***mg/kg***	***mg/kg***
C7-9	N.D.	2.1
C10-11	N.D.	0.89
C12-13	N.D.	17
C14-15	N.D.	220
C16-17	N.D.	790
C18-19	N.D.	1900
C20-21	N.D.	2600
C22-23	N.D.	2800
C24-25	N.D.	3800
C26-27	N.D.	5200
C28-30	N.D.	8200
C31-36	N.D.	6800
Total	0	32000
Detection Limit	8.0	8.0

Analytes reported as N.D. were not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

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

Client Project ID: Green Park
Client Project #: 01-406-0002-02

Analysis Method: 8015m

Sample Description: Water

Laboratory Reference #: MBE 13788

Sampled: 10/24/02
Received: 10/24/02
Analyzed: 10/28/02
Reported: 11/05/02

Lab Sample #:	MB1028	02100247
Client Sample #:	---	RR-Swater-1
Reporting Unit:	***mg/l***	***mg/l***
C7-9	N.D.	N.D.
C10-11	N.D.	N.D.
C12-13	N.D.	N.D.
C14-15	N.D.	N.D.
C16-17	N.D.	N.D.
C18-19	N.D.	N.D.
C20-21	N.D.	N.D.
C22-23	N.D.	N.D.
C24-25	N.D.	N.D.
C26-27	N.D.	N.D.
C28-30	N.D.	N.D.
C31-36	N.D.	N.D.
Total	N.D.	N.D.
Detection Limit	0.5	0.5

Analytes reported as N.D. were not present above the stated limit of detection.

INT_____

Orange Coast Analytical, Inc.

QA/QC Report
for
Total Recoverable Petroleum Hydrocarbons (EPA 418.1)
Reporting units: ppm

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

Date of Analysis : 10/28/02
Laboratory Sample No : OCA100
Laboratory Reference No : MBE 13788

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
Hydrocarbons	0.0	2.5	2.0	2.2	80	88	10	55-110	11

Definition of Terms :

R1	Results 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 : 10/28/02
Laboratory Standard No : OCA9629

Analyte	*SP CONC*	*Results*	*% Recovery*	*ACP %*
Hydrocarbons	2.5	2.2	88	81-130

INT

QA/QC Report
for
Oil & Grease (EPA 413.2)
Reporting units: ppm

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

Date of Analysis : 10/28/02
Laboratory Sample No : OCA100
Laboratory Reference No : MBE 13788

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
Hydrocarbons	0.0	2.5	2.3	2.1	91	84	8	57-116	11

Definition of Terms :

R1	Results 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 : 10/28/02
Laboratory Standard No : OCA9629

Analyte	*SP CONC*	*Results*	*% Recovery*	*ACP %*
Hydrocarbons	2.5	2.28	91	81-130

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

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

Date of Analysis : 10/28/02
Laboratory Sample No : OCA100
Laboratory Reference No : MBE 13788

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
Hydrocarbons	0.0	5.0	3.0	2.2	60	44	31	18-110	32

Definition of Terms :

R1	Results 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

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

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

Date of Analysis : 11/04/02
Laboratory Sample No : 02110001
Laboratory Reference No : MBE 13788

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
1,1-Dichloroethene	0.0	50	51	50	102	100	2	33-173	29
Benzene	10.0	50	55	54	90	88	2	59-135	32
Trichloroethene	0.0	50	45	45	90	90	0	44-142	31
Toluene	0.0	50	45	44	90	88	2	59-130	31
Chlorobenzene	0.0	50	46	46	92	92	0	55-131	28

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 : 11/04/02
Laboratory Standard No : OCA 10087-10092

Analyte	*SP CONC*	*Results*	*% Recovery*	*ACP %*
1,1-Dichloroethene	50	53	106	63-135
Benzene	50	47	94	48-142
Trichloroethene	50	42	84	77-120
Toluene	50	47	94	79-128
Chlorobenzene	50	49	98	79-127

QA/QC Report
for
Oil & Grease (EPA 413.2)
Reporting units: ppm

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

Date of Analysis : 10/28/02
Laboratory Sample No : OCA200
Laboratory Reference No : MBE 13788

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
Hydrocarbons	0.0	100	105	112	105	112	6	70-130	20

Definition of Terms :

R1	Results 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

INT

QA/QC Report
for
Total Recoverable Petroleum Hydrocarbons (EPA 418.1)
Reporting units: ppm

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

Date of Analysis : 10/28/02
Laboratory Sample No : OCA200
Laboratory Reference No : MBE 13788

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
Hydrocarbons	0.0	100	83.9	83	84	83	1	58-133	13

Definition of Terms :

R1	Results 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 : 10/28/02
Laboratory Standard No : OCA9629

Analyte	*SP CONC*	*Results*	*% Recovery*	*ACP %*
Hydrocarbons	100	83.3	83	81-130

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

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

Date of Analysis : 10/25/02
Laboratory Sample No : 02100234
Laboratory Reference No : MBE 13788

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
Hydrocarbons	0.0	100	72	72	72	72	0	42-126	31

Definition of Terms :

R1	Results 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 : 10/25/02
Laboratory Standard No : OCA8536

Analyte	*SP CONC*	*Results*	*% Recovery*	*ACP %*
Hydrocarbons	100	92	92	44-110

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

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

Date of Analysis : 11/01/02
Laboratory Sample No : 02100246
Laboratory Reference No : MBE 13788

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
1,1-Dichloroethene	0.0	50	50	49	100	98	2	42-164	25
Benzene	0.0	50	46	46	92	92	0	64-133	16
Trichloroethene	0.0	50	46	46	92	92	0	51-145	23
Toluene	0.0	50	47	46	94	92	2	63-133	16
Chlorobenzene	0.0	50	47	47	94	94	0	75-123	15

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 : 11/01/02
Laboratory Standard No : OCA 10093

Analyte	*SP CONC*	*Results*	*% Recovery*	*ACP %*
1,1-Dichloroethene	50	52	104	62-134
Benzene	50	46	92	75-123
Trichloroethene	50	46	92	80-118
Toluene	50	46	92	76-119
Chlorobenzene	50	47	94	79-117

QA/QC REPORT
for Metals
Reporting units: ppm

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

Laboratory Reference No : MBE 13788

Analyte	Date Tested	QC Sample	R1	SP CONC	MS	MSD	%MS	%MSD	RPD	ACP%	ACP RPD
Antimony	10/25/02	02100248	0.0	20	15.7	16.0	79	80	2	75-125	20
Arsenic	10/25/02	02100248	5.2	20	24.2	24.6	95	97	2	75-125	20
Barium	10/25/02	02100248	63	40	95.9	95.5	82	81	0	75-125	20
Beryllium	10/25/02	02100248	0.67	10	9.36	9.56	87	89	2	75-125	20
Cadmium	10/25/02	02100248	0.0	10	8.97	9.17	90	92	2	75-125	20
Chromium (Total)	10/25/02	02100248	3.4	20	20.1	20.6	84	86	2	75-125	20
Chromium (VI)	10/25/02	02100182	0.0	5.0	4.54	4.26	91	85	6	80-120	15
Cobalt	10/25/02	02100248	0.57	20	16.2	16.5	78	80	2	75-125	20
Copper	10/25/02	02100248	3.3	20	22.2	22.7	95	97	2	75-125	20
Lead	10/25/02	02100248	2.8	20	18.5	18.9	79	81	2	75-125	20
Mercury	10/25/02	02100248	0.24	1.0	1.20	1.23	96	99	2	80-120	15
Molybdenum	10/25/02	02100248	1.1	20	17.9	18.2	84	86	2	75-125	20
Nickel	10/25/02	02100248	3.4	20	18.9	19.3	78	80	2	75-125	20
Selenium	10/25/02	02100248	0.0	20	21.0	21.3	105	107	1	75-125	20
Silver	10/25/02	02100248	0.0	20	17.6	16.6	88	83	6	75-125	20
Thallium	10/25/02	02100248	0.0	10	7.61	7.68	76	77	1	75-125	20
Vanadium	10/25/02	02100248	9.2	20	26.6	27.0	87	89	1	75-125	20
Zinc	10/25/02	02100248	45	40	77.8	82.5	82	94	6	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

2. Laboratory Control Sample

Analyte	Date Tested	QC Sample	SP CONC	Results	% Recovery	ACP %
Antimony	10/25/02	OCA 10059	20	19.1	96	80-120
Arsenic	10/25/02	OCA 10059	20	19.5	98	80-120
Barium	10/25/02	OCA 10059	40	38.3	96	80-120
Beryllium	10/25/02	OCA 10059	10	10.0	100	80-120
Cadmium	10/25/02	OCA 10059	10	9.62	96	80-120
Chromium (Total)	10/25/02	OCA 10059	20	19.2	96	80-120
Chromium (VI)	10/24/02	OCA 9771	5.0	4.23	85	80-120
Cobalt	10/25/02	OCA 10059	20	19.3	97	80-120
Copper	10/25/02	OCA 10059	20	19.4	97	80-120
Lead	10/25/02	OCA 10059	20	19.1	96	80-120
Mercury	10/25/2002	OCA 10041	1.0	1.09	109	85-115
Molybdenum	10/25/02	OCA 10059	20	18.9	95	80-120
Nickel	10/25/02	OCA 10059	20	19.3	97	80-120
Selenium	10/25/02	OCA 10059	20	19.3	97	80-120
Silver	10/25/02	OCA 10059	20	17.3	87	80-120
Thallium	10/25/02	OCA 10059	20	19.0	95	80-120
Vanadium	10/25/02	OCA 10059	20	19.1	96	80-120
Zinc	10/25/02	OCA 10059	40	39.6	99	80-120

QA/QC REPORT
for
Organochlorinated Pesticides (EPA 8081)
Reporting units: ppb

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

Date of Analysis : 10/31/02
Laboratory Sample No : OCA 100
Laboratory Reference No : MBE 13788

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
Gamma BHC	0.0	0.4	0.37	0.39	93	98	5	D-117	25
Heptachlor	0.0	0.4	0.31	0.33	78	83	6	7-106	26
Aldrin	0.0	0.4	0.31	0.33	78	83	6	D-131	27
Dieldrin	0.0	1.0	0.87	0.71	87	71	20	9-103	22
Endrin	0.0	1.0	0.91	0.91	91	91	0	D-159	23
4,4'-DDT	0.0	1.0	0.89	0.81	89	81	9	20-123	23

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

QA/QC REPORT
for
Polynuclear Aromatic Hydrocarbons (EPA 8310)
Reporting units: ppb

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

)ate of Analysis : 10/31/02
.aboratory Sample No : OCA 100 (STLC)
_aboratory Reference No : MBE 13788

Analyte	*R1*	*SP CONC*	*MS*	*MSD*	*%MS*	*%MSD*	*RPD*	*ACP%*	*ACP RPD*
\cenaphthene	0.0	0.25	0.244	0.251	98	100	3	37-104	29
\nthracene	0.0	0.25	0.242	0.244	97	98	1	41-99	23
?yrene	0.0	0.25	0.260	0.260	104	104	0	40-107	15
Chrysene	0.0	0.25	0.264	0.287	106	115	8	27-121	25
3enzo (a) Pyrene	0.0	0.25	0.275	0.283	110	113	3	26-120	25

efinition 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

)ate of Analysis : 10/31/02
Laboratory Standard No : OCA 9859

Analyte	*SP CONC*	*Results*	*% Recovery*	*ACP %*
Acenaphthene	0.25	0.225	90	64-135
\nthracene	0.25	0.250	100	68-131
?yrene	0.25	0.222	89	76-123
Chrysene	0.25	0.214	86	76-123
3enzo (a) Pyrene	0.25	0.231	92	75-126

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

Page _____ of _____

REQUIRED TAT: _____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Miller Brook Environmental	PROJECT NAME:	Green Park Rinkle Ranch
SEND REPORT TO:	E Robbins	NUMBER:	01-406-0002-02
ADDRESS:	21	LOCATION:	Simi Valley
		ADDRESS:	
PHONE:	FAX:	SAMPLED BY:	E Robbins

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	5015 Extractable	418.1	413.1	8260	CAM Metals	8270	STLC 5015E/8260		REMARKS/PRECAUTIONS
RR-SS-1	2	10/		Soil	Jar		X	X	X	X	X	X	X		
RR-SS-1A	2			Soil	Ring										Use if RR-SS-1 depleted
RR-Swater-1	12			H_2O	VOA/Pint		X	X	X	X					

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	10AM 10/24/02		
		Received For Lab By: [signature]	Date/Time: 10/24/02 10:15AM

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.