

**PHASE II ENVIRONMENTAL SITE ASSESSMENT**

***Component 1A***

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**Rainbow Disposal Co., Inc.  
17121 Nichols Street  
Huntington Beach, California 92647**

prepared for  
**Rainbow Disposal Company, Inc.**

April 3, 2007

Project No. 281-E

prepared by

**environ strategy consultants, inc.**



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Rainbow Disposal Inc.  
Huntington Beach, California

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April 3, 2007

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## Phase II Environmental Assessment Report

**Component 1A**Rainbow Disposal Co., Inc.  
Huntington Beach, CA 92647**1.0 INTRODUCTION**

Presented in this report are the results of Environ Strategy Consultants, Inc. (Environ Strategy) Phase II Environmental Site Assessment (ESA) for Component 1A performed at the above referenced site, located in Huntington Beach, California (Figure 1). The Rainbow Disposal Co. (Rainbow) site consists of 17.59 acres occupied by a solid waste truck fleet, recycling facility, and transfer station (Figure 2). Rainbow is preparing to perform remodeling in several areas of the site. The proposed remodeling areas have been separated into Components 1A, 1B, and 1C. Environ Strategy was retained by Rainbow Disposal Co., Inc. to perform an additional Phase II ESA for Component 1A which is less than one (1) acre in size (approximately 41,300 sq.ft.) and is located in the northwest corner of the site.

**2.0 PURPOSE AND SCOPE OF SERVICES**

As described in detail in Section 3.0 below, a Phase I and a Phase II ESA were conducted at the Site in 2004. Recent meetings and correspondence have occurred between the City of Huntington Beach Fire Department (HBFD) and Rainbow, regarding the planned remodeling at the site. The HBFD requested an additional soil investigation be performed to meet the requirements of the HBFD City Specification No. 431-92. A *Workplan for Additional Subsurface Investigation* (Workplan) was prepared on March 14, 2007. The soil investigation described in this report was conducted in accordance with HBFD City Specification No. 431-92, the Workplan which was conditionally approved by the HBFD, and the HBFD consultant's comments. This report also contains the soil and groundwater results in the vicinity of the Component 1A area from the 2004 Phase II ESA. The results of these subsurface investigations were compared to the limits/thresholds in the HBFD City Specification No. 431-92 to determine if Rainbow requires environmental site clean up or corrective action. A summary of the site background is presented below.

**3.0 BACKGROUND**

Rainbow currently occupies 17.59 acres of land located at 17121 Nichols Street within the City of Huntington Beach in Orange County, California (Figure 1). The site property is located 500 feet south of Warner Avenue near the intersection of Nichols Street and Belsito Drive. The site is bounded by Nichols Street on the east, the Southern Pacific Railroad on the west, and commercial and industrial facilities on the north and south. The site latitude and longitude are 33° 42' 51.8" North and 117° 59' 44.9" West and the site elevation is approximately 29 feet above mean sea level (AMSL).

The property currently operates as an active permitted waste transfer and material recycling facility with a household hazardous materials collection center and an overall processing capacity of 2,800 tons per day. Site structures include an administration building, a vehicle repair shop, a welding shop, a material recycling facility (MRF), a transfer building, several trailers, and ancillary sheds and canopies.

A Phase I Environmental Site Assessment (ESA) was prepared in June 2004 for Rainbow. The Phase I ESA revealed that the site has had a long history of a variety of commercial and industrial uses. The property was originally used as farm land. Around 1938 a two-story building in the southwest corner of the site operated as a meat packing facility, followed by later use as a lumberyard and a used oil filter processing facility. This building and a maintenance storage building located on the south end of the site were removed in 2006. Commercial and industrial use in the northern portion of the site, in the vicinity of Component 1A, started in the 1950s with the Orange County Ice facility. Other offices and maintenance buildings operated on the site through the late 1970s when Rainbow Disposal acquired a portion of the property. The current administration building, vehicle repair shop, and transfer building were built around 1983 and the MRF was added in 1994 (Figure 2). During Rainbow's ownership various maintenance activities using solvents, fuels and waste oils have occurred at the site. A total of twelve USTs have been documented to exist on the site, all of which have been removed (Figure 2). A release of diesel fuel occurred in 1984 from a diesel fuel pipeline near the transfer building. Rainbow purchased the parcel north of their existing site to implement clean-up. The northern half of the site went through extensive investigation and remediation during the late 1980s and early 1990s to clean up the release and UST areas. After remediation and extensive soil and groundwater monitoring investigations, it was determined in 1996 that contamination levels had reached acceptable levels. As a result, the LUST case for the subject site was given a closure letter on October 15, 1996 by the Santa Ana Regional Water Quality Control Board.

Given the history of industrial activities on the site, the LUST case, and the proximity of potential pollutants from facilities located upgradient, a Phase II site investigation was conducted at the site in 2004. Environ Strategy performed 30 soil borings and 3 hydropunches, collecting a total of three (3) ground water samples and ninety (90) soil samples ranging from depths of 5 feet to 15 feet below ground surface (bgs) in areas of concern around the site. The samples were analyzed for the full list of volatile organic compounds (VOCs) by EPA Method 8260B, and for total petroleum hydrocarbons as gasoline and diesel (TPHg and TPHd) by Modified EPA Method 8015.

Seven (7) of the soil borings (SB-1, SB-2, SB-3, SB-19, SB-24, SB-30, SB-31) and one hydropunch (HP-3) were located within or in the vicinity of Component 1A. No TPHg or TPHd were detected in the soil borings in this area and only borings SB-1, SB-2, and SB-3 had low levels of VOCs detected in the soil samples collected at depths of 5 feet and 10 feet bgs (Figure 2). The results of the soil data for samples collected in the vicinity of Component 1A are summarized in Table 1. No VOCs, TPHd, or TPHg were detected in the ground water sample collected from the hydropunch. The soil boring logs, well permit, and analytical data for the 2004 Phase II ESA are enclosed in Appendix A.

In response to meetings and correspondence with the HBFD, additional soil investigations were conducted in 2007 in the Component 1A area of Rainbow site (Figure 2) in order to comply with City Specification No. 431-92.

#### 4.0 SUBSURFACE INVESTIGATION

Environ Strategy was retained to perform an additional subsurface investigation at Rainbow including the Component 1A portion of the subject site in accordance with a Workplan dated March 14, 2007 and an email dated March 20, 2007 from the HBFD. The email contained a request for additional soil sampling

in Component 1A as recommended by the HBFD's consultant. The Workplan was conditionally approved by the HBFD, if the consultant's recommendations were implemented. The following section describes the field methods and sample collection procedures for the subsurface investigations at the site.

Field activities at the Component 1A area were conducted on February 22 and March 26, 2007. Prior to initiating field work, boring locations were marked with white paint and Underground Service Alert was contacted to mark nearby underground utilities and buried pipes.

No permits were required for the soil borings, since ground water would not be encountered during drilling and no permanent wells were constructed.

A Site Specific Health and Safety Plan was created to identify chemical and physical hazards at the subject site and present methods to minimize employee exposure to these hazards. The Health and Safety Plan was implemented in the field by the Site Safety Officer. Prior to commencing work each day all persons working on-site were required to read, sign and comply with procedures described. The Health and Safety Plan is enclosed in Appendix B. Field personnel on site were health and safety certified in accordance with Occupational Safety Health Administration (OSHA) regulations as applicable under 29 Code of Federal Regulations 1910.120.

#### 4.1 Soil Sampling

Environ Strategy conducted five (5) soil borings in Component 1A including FDB-5, FDB-6, FDB-7, FDB-8, and FDB-9. Soil samples collected in the borings were obtained at various depths up to a maximum of 20 feet bgs. A total of 15 soil samples were collected and analyzed from the borings conducted in the Component 1A area.

##### 4.1.1 February 2007 Soil Sampling

Boring FDB-5 was drilled on February 22, 2007 using a direct push 6600 GeoProbe rig equipped with a hydraulic hammer. Soil samples were collected at five-foot intervals in 1.125-inch diameter by 2-foot long acetate liners using a solid-barrel sampler. The barrel sampler was decontaminated prior to each boring using a three stage cleaning process. The sampler was then advanced in the borehole by repeated hammering. Upon retrieving the sampler, the acetate liner was removed and the bottom portion cut at approximately six (6) inches length. Five (5) five-gram En Core® samplers were then filled with soil from the liner in accordance with EPA Method 5035. The remaining soil in the liner was sealed with Teflon®, capped with plastic covers, and taped with Parafilm® (an inert self-sealing tape material). The samples were then labeled and placed in baggies in a cooler on ice until delivery to the analytical laboratory under Chain-of-custody later that same day.

The remaining soil in the acetate liner was described in accordance with Unified Soil Classification System (USCS) by a State-Registered Professional Geologist (PG). The boring logs, presented as Appendix B, record the lithologic description. Field screening for hydrocarbon concentrations was performed by placing a dis-aggregated portion of each sample in a sealed container and monitoring for head-space volatility using a Mini Rae organic vapor meter (OVM). The OVM was calibrated and span checked in accordance with the manufacturers specifications and recommended guidelines. Head-space OVM readings are also recorded on the boring log form.

Samples from FDB-5 were analyzed for pH by EPA Method 9045C, total CAM Metals by EPA Method 6010B and 7471A, semi-volatile organic compounds (SVOCs) by EPA Method 8270C, and polychlorinated biphenyls (PCBs) by EPA Method 8082. The results of these analyses are discussed in Section 5.0 of this report.

Upon completion, the borehole was backfilled with granulated bentonite and hydrated with clean water. It was completed at the surface with asphalt.

A minimal quantity of soil cuttings and decontamination water were generated during drilling activities. The soil cuttings and the decontamination water were disposed of on-site. No manifest documentation was required.

#### 4.1.2 March 2007 Soil Sampling

Borings FDB-6, FDB-7, FDB-8, and FDB-9 were drilled on March 26, 2007 using a CME 75 hollow stem auger rig. The soil samples collected from FDB-8 and FDB-9 were collected at 5-foot intervals. The soil samples from boring FDB-6 were also collected at 5-foot intervals but at depths of 3, 8, and 13 feet. Boring FDB-7 located near a pole mounted transformer was drilled and sampled at a depth of two (2) feet bgs, to screen for shallow soil contaminants.

All the samples were collected in 6-inch long brass rings enclosed in a 3-inch outer diameter, 2.44-inch inner diameter split barrel that was driven a total of 12-inches into the materials at the bottom of the drill hole. Upon retrieving the sampler, the bottom brass ring was removed and three (3) five-gram En Core® samplers were then filled with soil from the ring in accordance with EPA Method 5035. The remaining soil in the ring was sealed with Teflon®, capped with plastic covers, and taped with Parafilm® (an inert self-sealing tape material). The samples were then labeled and placed in baggies in a cooler on ice until delivery to the analytical laboratory under Chain-of-custody later that same day.

Sample materials remaining in the waste barrel and sampler shoe were used to assist in classifying the materials in accordance with Unified Soil Classification System (USCS) by a PG. Field screening for hydrocarbon concentrations was performed by placing a dis-aggregated portion of each sample in a sealed container and monitoring for head-space volatility using a Mini Rae OVM. The OVM was calibrated and span checked in accordance with the manufacturers specifications and recommended guidelines. Head-space OVM readings are also recorded on the boring log form.

Samples collected with the California sampler were driven into the bottom of the drill hole with the effective weight of the Kelly bar on the hollow stem auger drill rig. The approximate length of the fall, the weight of the bar, and the number of blows per foot of the driving record were recorded in the field. The total number of blows required to drive the sampler 12-inches, the lithologic description, and the head-space OVM readings are recorded on the Subsurface Exploration Logs, included in Appendix C.

Boring FDB-9 was performed at an angle of 30 degrees from vertical to allow soil sampling beneath the welding shop (Figure 2). Samples were collected at 5-foot intervals from this boring, with a calculated maximum sample depth of approximately 17 feet bgs due to the angle. The boring was approximately 4 feet from the side of the welding shop, consequently the 10, 15, and 20-foot interval samples were collected from beneath the building.

All the samples collected from borings FDB-6, FDB-7, FDB-8, and FDB-9 were analyzed for pH by EPA Method 9045C, total CAM Metals by EPA Method 6010B and 7471A, TPHg and TPHd by Modified EPA Method 8015, and total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1. Select samples were analyzed for additional compounds. The soil sample collected at a depth of 3 feet from boring FDB-6 was also analyzed for chlorinated pesticides by EPA Method 8151A and herbicides by EPA Method 8081A. The two foot deep sample collected from FDB-7 was also analyzed for PCBs by EPA Method 8082. These analytical results are discussed in Section 5.0 of this report.

## 5.0 ANALYTICAL RESULTS

The soil samples collected in Component 1A were analyzed by Calscience Environmental Laboratories, Inc., a State-Certified analytical laboratory. The certified laboratory analytical reports and chain-of-custody documentation are enclosed in Appendix D and the soil analytical results are summarized in Tables 2, 3, 4, and 5. Laboratory quality control samples consisted of method blanks and matrix spike (MS) and matrix spike duplicate (MSD) samples.

### 5.1 Metals Results

The fifteen (15) soil samples were all analyzed for total CAM metals and the results are summarized in Table 2. All the detected metals concentrations, with the exception of arsenic, were well below the preliminary remediation goals (PRGs) for industrial and residential land use promulgated by EPA Region 9 (USEPA, 2004). The arsenic results ranged from 1.10 mg/kg to 14.8 mg/kg, which is above the PRGs, but below the total threshold limit concentration value of 500 mg/kg for arsenic. Arsenic is a naturally occurring element found in southern California bedrock. The shallower soil samples, collected from 2 to 5 feet bgs, had slightly lower arsenic concentrations (from 1.86 mg/kg to 4.38 mg/kg) compared with the soil samples from depths greater than 10 feet bgs which had arsenic concentrations from 3.97 mg/kg to 14.8 mg/kg.

Mercury, selenium and silver were not detected in any of the soil samples. None of the samples metals results exceeded ten times the soluble threshold limit concentration (STLC) value, so soluble metals results were not required in accordance with City Specification No. 431-92.

### 5.2 pH and Petroleum Hydrocarbon Results

The pH, TRPH, TPHg, and TPHd results are summarized in Table 3. The certified analytical reports and chain-of-custody documentation are enclosed in Appendix D.

The soil sample collected at a depth of 5 feet from boring FDB-5 had a basic pH of 9.45. All the other soil samples had pH within the range of 6 to 9.

TRPH, TPHg, and TPHd were analyzed in borings FDB-6, FDB-7, FDB-8, and FDB-9. TPHg was not detected above the method detection level (MDL) in any of the soil samples. TPHd was reported in five (5) of the soil samples at concentrations ranging from 5.9 to 120 mg/kg. TRPH was detected in all the soil samples tested at concentrations from 15 to 77 mg/kg.

### 5.3 PCBs, Chlorinated Herbicides, and Chlorinated Pesticides Results

No PCBs or chlorinated herbicides were detected above the MDLs in the soil sample collected at a depth of three (3) feet bgs from boring FDB-6. The chlorinated pesticides 4,4'-DDE and 4,4'-DDD were detected at concentrations of 12 ug/kg and 33 ug/kg respectively. These detected results are well below the PRGs for industrial and residential land use promulgated by EPA Region 9. No other pesticides were detected above MDLs in the soil sample. The analytical results are summarized in Table 3. The certified analytical reports and chain-of-custody documentation are enclosed in Appendix D.

### 5.4 SVOCs Results

The soil samples collected from boring FDB-5 were analyzed for the full list of SVOCs. The SVOC bis(2-ethylhexyl) phthalate was detected at a concentration of 2.4 ug/kg in the soil sample collected at a depth of 5 feet bgs. The result is well below the PRGs for industrial and residential land use promulgated by EPA Region 9. No other SVOCs were detected above MDLs in boring FDB-5. The data is summarized in Table 5 and the analytical reports and chain-of-custody documentation are enclosed in Appendix D.

## 6.0 CONCLUSION

Environ Strategy was retained by Rainbow to perform an additional Phase II ESA for Component 1A which is less than one (1) acre in size (approximately 41,300 sq.ft.) and is located in the northwest corner of the site. The additional ESA was performed in accordance with the requirements of the HBFD City Specification No. 431-92, a conditionally approved Workplan dated March 14, 2007, and recommendations from the HBFD's consultant.

The field work conducted by Environ Strategy included collection of a total of 15 soil samples in the Component 1A area of concern at the site. Soil boring locations (Figure 2) were selected near a solid waste truck parking lot (FDB-5), the railroad tracks (FDB-6), a pole mounted transformer (FDB-7), a former ice house (FDB-8), and the welding shop (FDB-9). The boring near the welding shop was performed at an angle to allow for collection of soil samples from beneath the building.

The soil samples in Component 1A were analyzed for pH, TPHg, TPHd, TRPH, total CAM metals, PCBs, SVOCs, and chlorinated pesticides and herbicides. The results indicate some residual soil contamination is present in the subsurface of Component 1A. TRPH was detected in all of the soil samples collected in this area, but at a maximum concentration of 77 mg/kg. TPHg was not detected in any of the soil samples, but TPHd was detected in five out of eleven samples. However, the concentrations of residual TPHd and TRPH were well below the HBFD Screening Level for Hydrocarbon Clean-up of 1,000 ppm for commercial and industrial land use (Table 3).

The pesticides 4,4'-DDE and 4,4'-DDD were detected in the one shallow sample near the railroad tracks and the SVOC bis(2-ethylhexyl) phthalate was detected in the shallow soil sample in the truck parking area. These compounds were detected at concentrations well below the PRGs for industrial and residential land use promulgated by EPA Region 9. No other PCBs, pesticides, herbicides, or SVOCs were detected in soil samples above the MDLs (Tables 4 and 5).

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Rainbow Disposal Inc.  
Huntington Beach, California

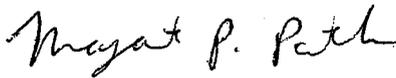
Page 7  
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The metals with the exception of arsenic were below the PRGs for industrial and residential land use promulgated by EPA Region 9. Arsenic concentrations were below the TTLC and are consistent with background levels of arsenic at the site. Natural background concentrations of arsenic in California are often well above the health-based, direct-exposure goals in soil of 0.07 mg/kg for residential land use and 0.24 mg/kg for commercial/industrial land use (e.g., Bradford et. al, 1996; LBNL 2002).

The data collected in the soil and ground water show concentration levels that are well below the action levels in the City of Huntington Beach Specification No. 431-92. Based on the soil analytical data for Component 1A, we believe that the results do not trigger the City's requirements for an environmental remediation or corrective action for the soil in that area.

Environ Strategy sincerely appreciates the opportunity to be of service. If you have any questions or require additional information or clarification, please do not hesitate to contact the undersigned.

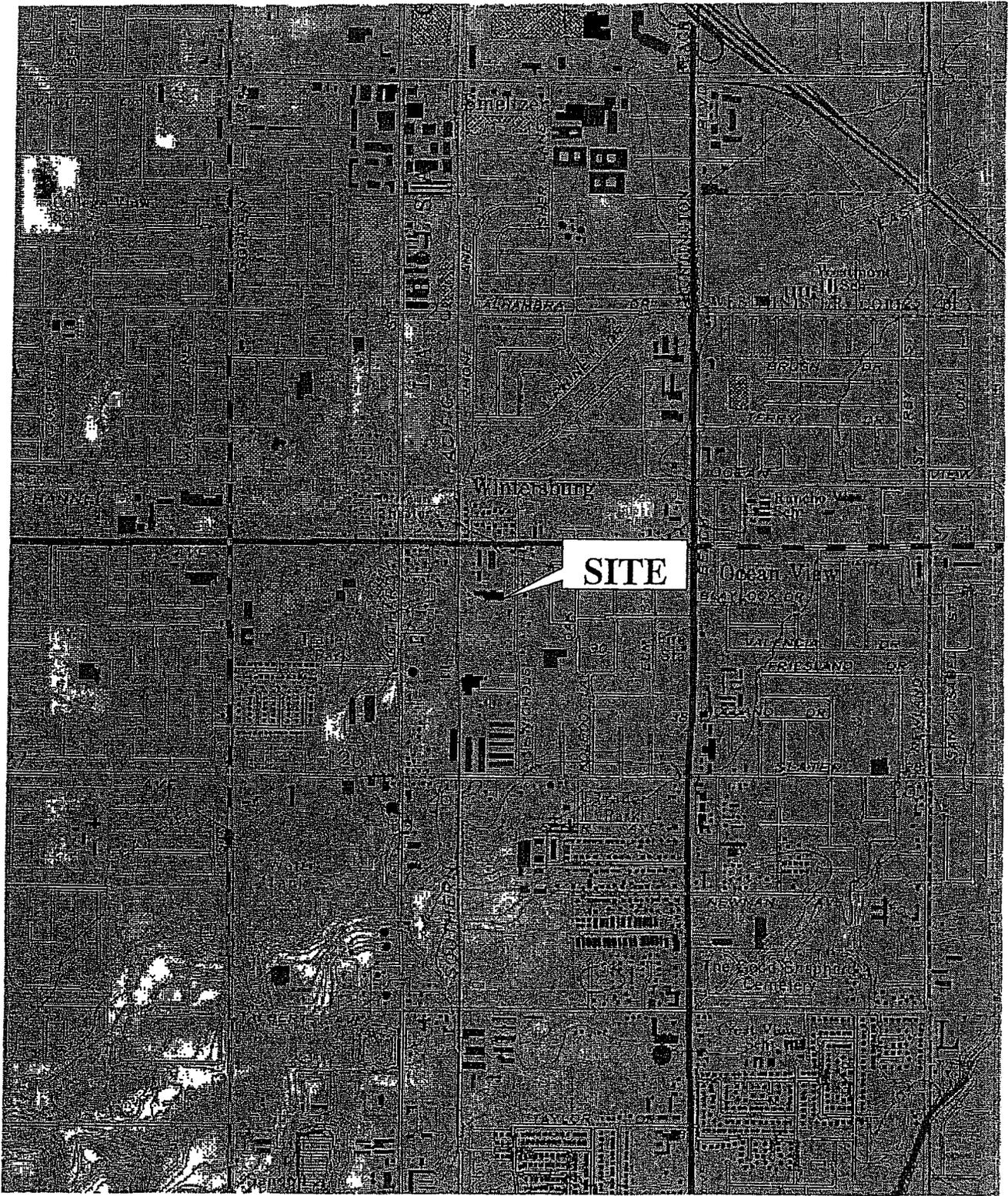
Respectfully submitted,



Margaret P. Patrick, R.G. 7620  
Project Geologist



## FIGURES



2000 0 2000

APPROXIMATE SCALE IN FEET

ENVIRON STRATEGY  
CONSULTANTS, INC.

30 Hughes, Suite 209  
Irvine, California 92618

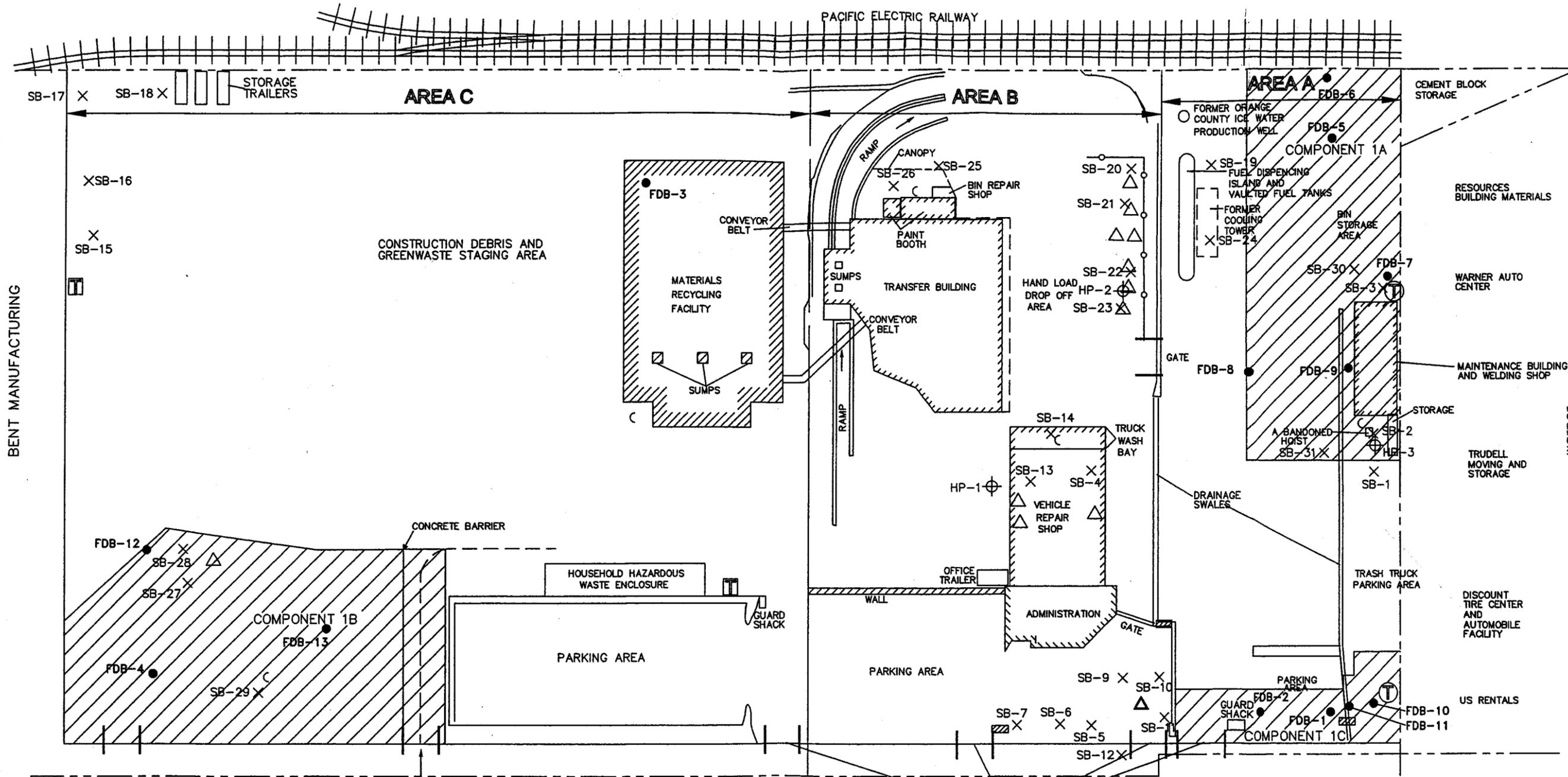
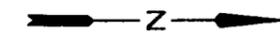
FIGURE 1  
SITE VICINITY MAP

RAINBOW DISPOSAL  
17121 NICHOLS ST.  
HUNTINGTON BEACH, CA

DATE:  
06/10/04

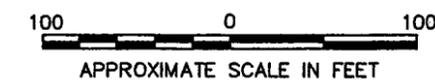
PROJECT NO.  
281-A

FILE NO.  
281AFig1



**LEGEND**

- Property Line
- Fence
- SB-2 X 2004 Soil Boring Location
- HP-2 ⊕ 2004 Hydropunch Location
- FDB-1 ● Proposed Fire Department Soil Boring Location
- c Clarifier
- ⊞ Pad Mounted Transformer
- △ Former Underground Storage Tanks
- ⊕ Pole Mounted Transformer



DATE: 3/29/07	 <b>environ strategy consultants, inc.</b>	<b>FIGURE 2</b> <b>SITE PLAN SHOWING</b> <b>COMPONENTS 1A, 1B &amp; 1C</b> <b>BORING LOCATIONS</b>
PROJECT NO. 281-A		30 Hughes, Suite 209 Irvine, California 92618
FILE NO. 217AFIG2Ad		<b>RAINBOW DISPOSAL</b> 17121 NICHOLS ST. HUNTINGTON BEACH, CA

## TABLES

**TABLE 1**  
**RAINBOW DISPOSAL COMPANY, INC.**  
**Summary of Soil Analytical Results from 2004 Phase II ESA**

Sample Number	Date Sampled	EPA Method 8015 (mg/kg)	EPA Method 8015(mg/kg)	VOCs by EPA Method 8260B (ug/kg)		
		TPHg	TPHd	Benzene	Tetra-chloroethylene	MTBE
	PRG-Ind			1,400	1,300	70,000
	PRG-Res			640	480	32,000
SB-1-5	6/15/2004	<0.5	<0.5	4.3	<1.0	10
SB-1-10	6/15/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-1-15	6/15/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-2-5	6/15/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-2-10	6/15/2004	<0.5	<0.5	<1.0	9.4	<1.0
SB-2-15	6/15/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-3-5	6/15/2004	<0.5	<0.5	<1.0	<1.0	13
SB-3-10	6/15/2004	<0.5	<0.5	<1.0	<1.0	11
SB-3-15	6/15/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-19-5	6/16/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-19-10	6/16/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-19-15	6/16/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-24-5	6/16/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-24-10	6/16/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-24-15	6/16/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-30-5	6/17/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-30-10	6/17/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-30-15	6/17/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-31-5	6/17/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-31-10	6/17/2004	<0.5	<0.5	<1.0	<1.0	<1.0
SB-31-15	6/17/2004	<0.5	<0.5	<1.0	<1.0	<1.0

## Notes:

TPHg- Total Petroleum Hydrocarbons as Gasoline

TPHd- Total Petroleum Hydrocarbons as Diesel

MTBE- Methyl Tert Butyl Ether

The samples were analyzed for the full list of volatile organic compounds (VOCs), but only those that were detected above method detection limits (MDLs) are listed here.

1 PRG-Ind - Preliminary Remediation Goals for Industrial land use promulgated by EPA Region 9 (US EPA, 2004).

2 PRG-Res - Preliminary Remediation Goals for Residential land use promulgated by EPA Region 9 (US EPA, 2004).

**TABLE 2**  
**RAINBOW DISPOSAL COMPANY, INC. SOIL METALS RESULTS**  
(all units are mg/kg)

Sample ID	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TTLc (mg/kg)		500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLc (mg/L)		15	5.0	100	0.75	1.0	5	80	25	5.0	0.2	350	20	1.0	5	7.0	24	250
PRG-Ind (mg/kg)		410	0.25	67,000	1,900	450	450	1,900	41,000	800	310	5,100	20,000	5,100	5,100	67	7,200	100,000
PRG-Res (mg/kg)		31	0.062	5,400	150	37	210	900	3,100	150	23	390	1,600	390	390	5.2	550	23,000
FDB-5-5	2/22/07	<0.750	3.43	87.5	0.561	<0.500	16.2	9.72	12.4	7.1	<0.0835	0.511	15.2	<0.750	<0.250	<0.750	33.8	40.6
FDB-5-10	2/22/07	2.11	11.8	81.3	1.04	<0.500	29.7	10.8	35.2	7.32	<0.0835	0.546	26.4	<0.750	<0.250	<0.750	50.7	85.6
FDB-5-15	2/22/07	<0.750	7.89	77.0	0.260	<0.500	17.4	10.2	16.0	6.02	<0.0835	<0.250	18.5	<0.750	<0.250	<0.750	36.7	46.3
FDB-5-20	2/22/07	<0.750	1.10	19.8	<0.250	<0.500	4.21	1.84	3.36	0.840	<0.0835	<0.250	2.74	<0.750	<0.250	<0.750	6.78	10.7
FDB-6-3	3/26/07	<0.750	4.38	43.4	<0.250	<0.500	31.0	4.01	24.9	42.5	<0.0835	0.522	5.56	<0.750	<0.250	<0.750	48.7	48.0
FDB-6-8	3/26/07	<0.750	5.45	92.2	0.289	0.510	15.8	9.47	16.9	5.92	<0.0835	0.294	14.2	<0.750	<0.250	<0.750	41.2	45.4
FDB-6-13	3/26/07	<0.750	14.8	210	0.788	0.892	26.6	15.1	38.0	11.6	<0.0835	0.767	27.6	<0.750	<0.250	<0.750	66.9	74.1
FDB-7-2	3/26/07	<0.750	2.16	42.8	<0.250	<0.500	8.71	4.94	7.63	3.24	<0.0835	0.315	7.07	<0.750	<0.250	<0.750	21.4	25.0
FDB-8-5	3/26/07	<0.750	1.86	122	0.518	<0.500	16.3	8.73	14.6	7.57	<0.0835	<0.250	14.7	<0.750	<0.250	<0.750	29.1	40.5
FDB-8-10	3/26/07	<0.750	14.6	106	0.902	0.821	28.8	12.3	41.4	15.6	<0.0835	0.766	32.3	<0.750	<0.250	0.950	60.4	72.4
FDB-8-15	3/26/07	<0.750	6.64	106	0.263	0.645	22.9	12.2	20.7	6.10	<0.0835	0.324	18.5	<0.750	<0.250	<0.750	47.9	63.2
FDB-9-5	3/26/07	<0.750	3.54	195	0.524	0.547	17.4	8.88	16.6	7.48	<0.0835	0.459	15.9	<0.750	<0.250	<0.750	33.8	44.9
FDB-9-10	3/26/07	<0.750	3.97	74.4	0.447	<0.500	16.3	8.12	18.1	6.85	<0.0835	1.20	15.0	<0.750	<0.250	<0.750	37.1	50.7
FDB-9-15	3/26/07	<0.750	4.92	228	0.599	0.837	27.7	15.8	30.8	16.2	<0.0835	0.562	24.7	<0.750	<0.250	<0.750	49.3	69.0
FDB-9-20	3/26/07	<0.750	8.95	102	0.515	0.584	18.3	10.1	19.6	9.09	<0.0835	<0.250	16.5	<0.750	<0.250	<0.750	40.7	56.6

- 1 TTLc - Total Threshold Limit Concentration Values for select inorganic persistent and bioaccumulative toxic substances per Title 22 Section 66261.24 Characteristic of Toxicity.
- 2 STLc - Soluble Threshold Limit Concentration Values for select inorganic persistent and bioaccumulative toxic substances per Title 22 Section 66261.24 Characteristic of Toxicity.
- 3 PRG-Ind - Preliminary Remediation Goals for Industrial land use promulgated by EPA Region 9 (USEPA, 2004)
- 4 PRG-Res - Preliminary Remediation Goals for Residential land use promulgated by EPA Region 9 (USEPA, 2004).

Non-detect values are presented as less than (<) the reporting limit.

**TABLE 3**  
**RAINBOW DISPOSAL COMPANY, INC.**  
**pH and Petroleum Hydrocarbon Results for Soil Samples**

Date Sampled		2/22/07	2/22/07	2/22/07	2/22/07	3/26/07	3/26/07	3/26/07	3/26/07	3/26/07	3/26/07	3/26/07	3/26/07	3/26/07	3/26/07	3/26/07
COMPOUND	Reporting Limit Units	FDB-5-5	FDB-5-10	FDB-5-15	FDB-5-20	FDB-6-3	FDB-6-8	FDB-6-13	FDB-7-2	FDB-8-5	FDB-8-10	FDB-8-15	FDB-9-5	FDB-9-10	FDB-9-15	FDB-9-20
pH by EPA Method 9085C																
pH	pH units	9.45	8.18	8.17	7.50	8.65	8.60	8.03	8.55	8.78	7.62	7.19	8.69	8.58	7.46	6.84
Total Petroleum Hydrocarbons as diesel (d) and gasoline (g) by Modified EPA Method 8015B																
TPHd	mg/kg	N/A	N/A	N/A	N/A	120	6.6	<5.0	<5.0	15	5.9	<5.0	<5.0	6.6	<5.0	<5.0
TPHg	mg/kg	N/A	N/A	N/A	N/A	<0.29	<0.22	<0.23	<0.23	<0.21	<0.24	<0.25	<0.21	<0.22	<0.26	<0.21
Total Recoverable Petroleum Hydrocarbons (TRPH) by EPA Method 418.1M																
TRPH	mg/kg	N/A	N/A	N/A	N/A	77	21	15	23	20	26	19	19	16	20	15

**NOTES:**

The non-detect values are presented as less than (<) the reporting limit.  
 N/A = Not Analyzed

**TABLE 4**  
**RAINBOW DISPOSAL COMPANY, INC.**  
**Soil PCB, Chlorinated Herbicides, and Chlorinated Pesticides Results**  
**(all units are ug/kg)**

**Poly Chlorinated Biphenyls (PCBs) by EPA Method 8082 Sampled February 22, 2007**

COMPOUND	PRG-IND1	PRG-RGS	FDB-5-5	FDB-5-10	FDB-5-15	FDB-5-20	FDB-7-2
Aroclor 1016			<50	<50	<50	<50	<50
Aroclor 1221			<50	<50	<50	<50	<50
Aroclor 1232			<50	<50	<50	<50	<50
Aroclor 1242			<50	<50	<50	<50	<50
Aroclor 1248			<50	<50	<50	<50	<50
Aroclor 1254			<50	<50	<50	<50	<50
Aroclor 1260			<50	<50	<50	<50	<50
Aroclor 1262			<50	<50	<50	<50	<50
Total PCBs <sup>5</sup>	740	220	<50	<50	<50	<50	<50

**Chlorinated Herbicides by EPA Method 8151A Sampled March 26, 2007**

COMPOUND	PRG-IND1	PRG-RGS	FDB-6-3
Dalapon	18,000,000	1,800,000	<250
Dicamba	18,000,000	1,800,000	<10
MCPD			<10,000
MCPA			<10,000
Dichlorprop			<100
2,4-D			<100
2,4,5-TP (Silvex)			<10
2,4,5-T			<10
2,4-DB			<100
Dinoseb	620,000	61,000	<50

**TABLE 4**  
**RAINBOW DISPOSAL COMPANY, INC.**  
**Soil PCB, Chlorinated Herbicides, and Chlorinated Pesticides Results**  
**(all units are ug/kg)**

**Chlorinated Pesticides by EPA Method 8081A Sampled March 26, 2007**

COMPOUND	PRG-Ind <sup>1</sup>	PRG-Res <sup>2</sup>	FDB-6-3
Alpha-BHC			<5.0
Gamma-BHC			<5.0
Beta-BHC			<5.0
Heptachlor	380	110	<5.0
Delta-BHC			<5.0
Aldrin	100	29	<5.0
Heptachlor Epoxide	190	53	<5.0
Endosulfan I	3,700,000	3,700,000	<5.0
Dieldrin	110	30	<5.0
4,4'-DDE	7,000	1,700	12
Endrin	180,000	18,000	<5.0
Endrin Aldehyde			<5.0
4,4'-DDD	10,000	2,400	33
Endosulfan II	3,700,000	3,700,000	<5.0
4,4'-DDT	7,000	1,700	<5.0
Endosulfan Sulfate			<5.0
Methoxychlor	3,100,000	310,000	<5.0
Chlordane	6,500	1,600	<50
Toxaphene	1,600	440	<100
Endrin Ketone			<5.0

**NOTES:**

- 1 PRG-Ind - Preliminary Remediation Goals for Industrial land use promulgated by EPA Region 9 (US EPA, 2004).
  - 2 PRG-Res - Preliminary Remediation Goals for Residential land use promulgated by EPA Region 9 (US EPA, 2004).
- The non-detect values are presented as less than (<) the reporting limit.

**TABLE 5**  
**February 22, 2007 Rainbow Disposal Company, Inc.**  
**Soil Semi-Volatile Organic Compound Results**  
**by EPA Method 8270C (all units are ug/kg)**

COMPOUND	PRG-IND	PRG-RES	FDB-5-5	FDB-5-10	FDB-5-15	FDB-5-20
Acenaphthene	29,000,000	3,700,000	<0.40	<0.40	<0.40	<0.40
Acenaphthylene			<0.40	<0.40	<0.40	<0.40
Aniline	300,000	35,000	<0.50	<0.50	<0.50	<0.50
Anthracene	100,000,000	22,000,000	<0.40	<0.40	<0.40	<0.40
Azobenzene	16,000	4,400	<0.50	<0.50	<0.50	<0.50
Benzidene	7.5	2.1	<10	<10	<10	<10
Benzo(a)anthracene	2,100	620	<0.40	<0.40	<0.40	<0.40
Benzo(b)fluoranthene	2,100	620	<0.40	<0.40	<0.40	<0.40
Benzo(k)fluoranthene	21,000	6,200	<0.40	<0.40	<0.40	<0.40
Benzoic acid	150,000,000	150,000,000	<2.5	<2.5	<2.5	<2.5
Benzo (g,h,i) perylene	190,000	56,000	<0.40	<0.40	<0.40	<0.40
Benzo(a)pyrene	210	62	<0.35	<0.35	<0.35	<0.35
Benzyl alcohol	100,000,000	18,000,000	<0.50	<0.50	<0.50	<0.50
bis(2-Chloroethoxy) methane			<0.50	<0.50	<0.50	<0.50
bis(2-Chloroethyl) ether	580	220	<2.5	<2.5	<2.5	<2.5
bis(2-Chloroisopropyl) ether	7.4	2.9	<0.50	<0.50	<0.50	<0.50
bis(2-Ethylhexyl) phthalate	120,000	35,000	2.4	<0.50	<0.50	<0.50
4-Bromophenyl-phenyl ether			<0.50	<0.50	<0.50	<0.50
Butyl benzyl phthalate	100,000,000	12,000,000	<0.50	<0.50	<0.50	<0.50
4-Chloroaniline	2,500,000	240,000	<0.50	<0.50	<0.50	<0.50
4-Chloro-3-methylphenol			<0.50	<0.50	<0.50	<0.50
2-Chloronaphthalene	23,000,000	4,900,000	<0.50	<0.50	<0.50	<0.50
2-Chlorophenol	240,000	63,000	<0.50	<0.50	<0.50	<0.50
4-Chlorophenyl-phenyl ether			<0.50	<0.50	<0.50	<0.50
Chrysene	210,000	62,000	<0.40	<0.40	<0.40	<0.40
Dibenz (a,h) anthracene	210	62	<0.40	<0.40	<0.40	<0.40
Dibenzofuran	1,500,000	150,000	<0.50	<0.50	<0.50	<0.50
1,2-Dichlorobenzene	600,000	600,000	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	600,000	530,000	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	7,900	3,400	<0.50	<0.50	<0.50	<0.50
3,3-Dichlorobenzidine	3,800	1,100	<0.50	<0.50	<0.50	<0.50
2,4-Dichlorophenol	1,800,000	180,000	<0.50	<0.50	<0.50	<0.50
Diethyl phthalate	100,000,000	49,000,000	<0.50	<0.50	<0.50	<0.50
2,4-Dimethylphenol	12,000,000	1,200,000	<0.50	<0.50	<0.50	<0.50
Dimethyl phthalate	100,000,000	100,000,000	<0.50	<0.50	<0.50	<0.50

1 PRG - Preliminary Remediation Goals for Industrial (Ind) or Residential (Res) land use promulgated by EPA Region 9 (USEPA, 2004).

Non-detect values are presented as < the reporting limit.

**TABLE 5**  
**February 22, 2007 Rainbow Disposal Company, Inc.**  
**Soil Semi-Volatile Organic Compound Results**  
**by EPA Method 8270C (all units are ug/kg)**

COMPOUND	PRG-Ind	PRG-Res	FDB-5-5	FDB-5-10	FDB-5-15	FDB-5-20
Di-n-butyl phthalate			<0.50	<0.50	<0.50	<0.50
4,6-Dinitro-2-methylphenol			<2.5	<2.5	<2.5	<2.5
2,4-Dinitrophenol	1,200,000	120,000	<2.5	<2.5	<2.5	<2.5
2,4-Dinitrotoluene	1,200,000	120,000	<0.50	<0.50	<0.50	<0.50
2,6-Dinitrotoluene	620,000	61,000	<0.50	<0.50	<0.50	<0.50
Di-n-octyl phthalate	25,000,000	2,400,000	<0.50	<0.50	<0.50	<0.50
Fluoranthene	22,000,000	2,300,000	<0.40	<0.40	<0.40	<0.40
Fluorene	26,000,000	2,700,000	<0.40	<0.40	<0.40	<0.40
Hexachlorobenzene	1,100	300	<0.50	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene	22,000	6,200	<0.50	<0.50	<0.50	<0.50
Hexachlorocyclopentadiene	3,700,000	370,000	<1.5	<1.5	<1.5	<1.5
Hexachloroethane	120,000	35,000	<0.50	<0.50	<0.50	<0.50
Indeno(1,2,3-c,d) pyrene	2,100	620	<0.40	<0.40	<0.40	<0.40
Isophorone	510,000	510,000	<0.50	<0.50	<0.50	<0.50
1-Methylnaphthalene			<0.40	<0.40	<0.40	<0.40
2-Methylphenol	31,000,000	3,100,000	<0.50	<0.50	<0.50	<0.50
3/4-Methylphenol	3,100,000	310,000	<0.50	<0.50	<0.50	<0.50
Naphthalene	190,000	55,000	<0.40	<0.40	<0.40	<0.40
2-Nitroaniline	1,300,000	130,000	<0.50	<0.50	<0.50	<0.50
3-Nitroaniline	32,000	13,000	<0.50	<0.50	<0.50	<0.50
4-Nitroaniline	32,000	23,000	<0.50	<0.50	<0.50	<0.50
Nitrobenzene	100,000	20,000	<2.5	<2.5	<2.5	<2.5
2-Nitrophenol			<0.50	<0.50	<0.50	<0.50
4-Nitrophenol			<0.50	<0.50	<0.50	<0.50
N-Nitrosodimethylamine	34	9.5	<0.50	<0.50	<0.50	<0.50
N-Nitrosodiphenylamine	350,000	95,000	<0.50	<0.50	<0.50	<0.50
N-Nitroso-di-n-propylamine	250	69	<0.50	<0.50	<0.50	<0.50
Pentachlorophenol	9,000	3,000	<2.5	<2.5	<2.5	<2.5
Phenanthrene			<0.40	<0.40	<0.40	<0.40
Phenol	00,000,000	18,000,000	<0.50	<0.50	<0.50	<0.50
Pyrene			<0.40	<0.40	<0.40	<0.40
Pyridine	620,000	61,000	<0.50	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene	220,000	62,000	<0.50	<0.50	<0.50	<0.50
2,4,5-Trichlorophenol	62,000,000	6,100,000	<0.50	<0.50	<0.50	<0.50
2,4,6-Trichlorophenol	62,000	6,100	<0.50	<0.50	<0.50	<0.50

1 PRG - Preliminary Remediation Goals for Industrial (Ind) or Residential (Res) land use promulgated by EPA Region 9 (USEPA, 2004).

Non-detect values are presented as < the reporting limit.

## APPENDIX A

# BORING/MONITORING WELL: SB-1

LOGGED BY: Margaret Patrick / Laura Skow  
 CHECKED BY: John McNamara  
 DATE STARTED: 6/15/04  
 DATE FINISHED: 6/15/04  
 DRILLING COMPANY: EST  
 DRILLING FOREMAN: Marty

BORING NO: SB-1  
 PROJECT NAME: Rainbow Disposal Phase II  
 PROJECT NO: 281B  
 SITE LOCATION: 17121 Nichols St.  
 Huntington Beach CA  
 SITE ELEVATION:

Depth	Sample Number	Blow Count	OVM (ppm)	Well Details	Soil Class (USCS)	Description
0						3" asphalt underlain by 5" base rock
3	7:34 SB-1-5'	—	0.1		CL	Dark brown CLAY with SILT, moist, plastic, firm
7	7:40 SB-1-10'		4.2		CL	Moderate yellowish brown CLAY and SILT, moist, plastic
11	7:59 SB-1-15'		—		CL	" "
20						NOTES:
25						Total Depth 15' No Groundwater encountered
30						Back filled boring with cement grout
35						
40						
45						
50						

# BORING/MONITORING WELL: SB-2

LOGGED BY: Margaret Patrick / Laura Skow  
 CHECKED BY: John McNamara  
 DATE STARTED: 6/15/04  
 DATE FINISHED: 6/15/04  
 DRILLING COMPANY: EST  
 DRILLING FOREMAN: Marty

BORING NO: SB-2  
 PROJECT NAME: Rainbow Disposal Phase II  
 PROJECT NO: 281B  
 SITE LOCATION: 17121 Nichols St.  
 Huntington Beach CA  
 SITE ELEVATION:

Depth	Sample Number	Blow Count	OVM (ppm)	Well Details	Soil Class (USCS)	Description
0						
5	8:20 SB-2-5		0.4		CL	3" Asphalt and 5" base medium yellowish brown, CLAY and SILT plastic, moist, firm
10	8:27 SB-2-10		0.1		CL	medium yellowish brown, CLAY and SILT with trace GRAVEL and dark brown streaking, dense, damp
15	8:35 SB-2-15		-		CL	light yellowish brown, CLAY & SILT, firm, damp.
20						Notes: Total depth 15' No groundwater encountered 3' dark brown soil w/ cement gravel
25						
30						
35						
40						
45						
50						

# BORING/MONITORING WELL: SB-3

LOGGED BY: Margaret Patrick / Laura Skow CHECKED BY: John McNamara DATE STARTED: 6/15/04 DATE FINISHED: 6/15/04 DRILLING COMPANY: EST DRILLING FOREMAN: MAETZ	BORING NO: SB-3 PROJECT NAME: Rainbow Disposal phase II PROJECT NO: 281B SITE LOCATION: 17121 Nichols St. Huntington Beach CA SITE ELEVATION:
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Depth	Sample Number	Blow Count	OVM (ppm)	Well Details	Soil Class (USCS)	Description
0						~3" asphalt over 5" base rock
5	8:55 SB-3-5		1.3		CL	Medium yellowish brown CLAY and SILT, moist, plastic, firm
10	9:01 SB-3-10		34		CL	Lens of dark brown CLAY with coarse SAND and trace GRAVEL, damp Medium yellowish brown CLAY and SILT, moist, plastic, firm
15	9:10 SB-3-15		3.9		CL	Medium yellowish brown CLAY and SILT, moist, plastic, firm
20						NOTES: total depth 15' no groundwater encountered
25						backfilled with cement grout
30						
35						
40						
45						
50						

# BORING/MONITORING WELL: SB-19

LOGGED BY: Margaret Patrick / Laura Skow CHECKED BY: John McNamara DATE STARTED: 6/16/04 DATE FINISHED: 6/16/04 DRILLING COMPANY: EST DRILLING FOREMAN: Marty	BORING NO: SB-19 PROJECT NAME: Rainbow Disposal Phase II PROJECT NO: 281B SITE LOCATION: 17121 Nichols St. Huntington Beach CA SITE ELEVATION:
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Depth	Sample Number	Blow Count	OVM (ppm)	Well Details	Soil Class (USCS)	Description
0						~10" cement with 3" base
5	SB-19-5 11:15		0.1		ML	dark brown SILT with CLAY, dense, damp slightly plastic
10	SB-19-10 11:19		0.1		ML	dark brown SILT with CLAY, dense, damp slightly plastic, trace sand.
15	SB-19-15 11:26		0.1		SM	Med. yellowish brown SAND with SILT, damp, med. grained, poorly graded, firm
20						Notes:
25						Total depth 15'
30						No ground water encountered.
35						ventilated bearing with circum-arcut
40						
45						
50						

# BORING/MONITORING WELL: SB-24

LOGGED BY: Margaret Patrick / Laura Skow CHECKED BY: John McNamara DATE STARTED: 6/16/04 DATE FINISHED: 6/16/04 DRILLING COMPANY: EST DRILLING FOREMAN: Marty	BORING NO: SB-24 PROJECT NAME: Rainbow Disposal Phase II PROJECT NO: 281B SITE LOCATION: 17121 Nichols St. Huntington Beach CA SITE ELEVATION:
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Depth	Sample Number	Blow Count	OVM (ppm)	Well Details	Soil Class (USCS)	Description
0						~10" cement with 3" base
10:50	SB-24-5		1.8			yellowish brown fill: coarse SAND, GRAVEL and SILT, damp
10:55	SB-24-10		3.1		CL	dark brown CLAY with SILT; plastic, dense, moist
10:58	SB-24-15		0.1		SM	med. yellowish brown SAND with SILT, med. graded, damp, loose, poorly graded
15						med. yellowish brown SILT and CLAY, damp, dense
20						Notes
25						Total depth 15 No groundwater encountered boring backfilled w/ cement grout
30						
35						
40						
45						
50						

# BORING/MONITORING WELL: SB-30

LOGGED BY: Margaret Patrick / Laura Skow  
 CHECKED BY: John McNamara  
 DATE STARTED: 6/17/04  
 DATE FINISHED: 6/17/04  
 DRILLING COMPANY: EST  
 DRILLING FOREMAN:

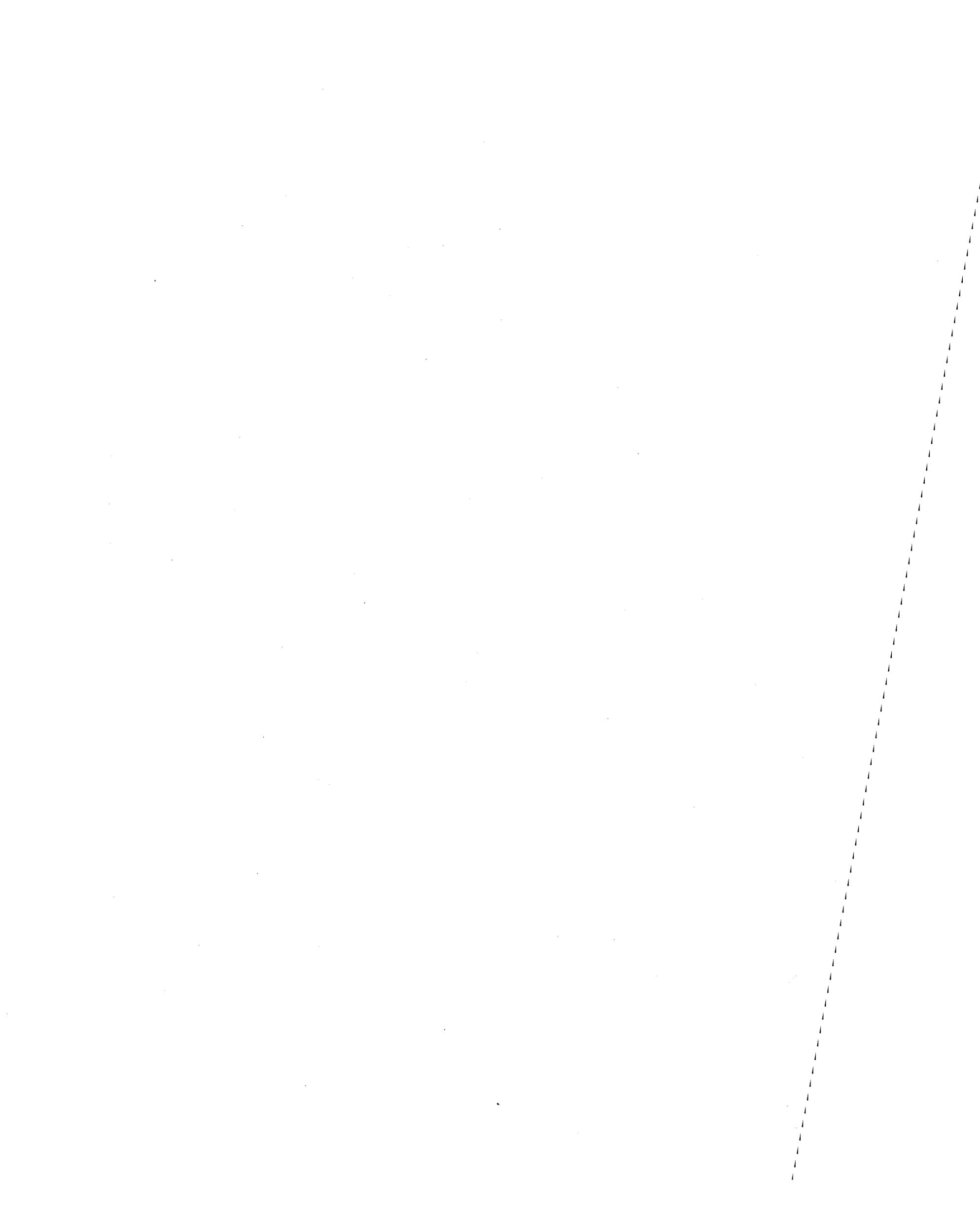
BORING NO: SB-30  
 PROJECT NAME: Rainbow Disposal Phase II  
 PROJECT NO: 2818  
 SITE LOCATION: 17121 Nichols St.  
 Huntington Beach CA  
 SITE ELEVATION:

Depth	Sample Number	Blow Count	OVM (ppm)	Well Details	Soil Class (USCS)	Description
0						~3" asphalt over 5" base rock
5	13:30 SB-30-5		5.8		CL	dark yellowish brown. CLAY and SILT, damp, dense, slightly plastic
10	13:35 SB-30-10		0.1		ML	8' dark yellowish brown SILT and CLAY with SAND, firm, damp
15	13:44 SB-30-15		0.1		ML	ll
20						NOTES:
25						Total borehole depth 15 feet No groundwater encountered
30						Backfilled boring with bentonite + cement grout
35						
40						
45						
50						

# BORING/MONITORING WELL: SB-31

LOGGED BY: Margaret Patrick / Laura Skow CHECKED BY: John McNamara DATE STARTED: 6/17/04 DATE FINISHED: 6/17/04 DRILLING COMPANY: EST DRILLING FOREMAN: Marty	BORING NO: SB-31 PROJECT NAME: Rainbow Disposal Phase II PROJECT NO: 2818 SITE LOCATION: 1721 Nichols St. Huntington Beach CA SITE ELEVATION:
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Depth	Sample Number	Blow Count	OVM (ppm)	Well Details	Soil Class (USCS)	Description
0						3" asphalt overlying 5" base rock
5	14:06 SB-31-5		0.1		CL	dark yellowish brown CLAY and SILT, damp, dense, plastic
10	14:17 SB-31-10		0.1		ML	moderate yellowish brown SILT and CLAY with SAND, damp, firm
15	14:22 SB-31-15		0.1		ML	" " " "
20						NOTES:  Total depth 15 feet No groundwater encountered
25						
30						Backfilled boring with bentonite and cement grout
35						
40						
45						
50						



# APPLICATION FOR WELL CONSTRUCTION PERMIT

ORANGE COUNTY HEALTH CARE AGENCY  
ENVIRONMENTAL HEALTH DIVISION

2009 E. EDINGER AVENUE  
SANTA ANA, CA 92705-4720

(714) 667-3600  
FAX: (714) 972-0749

CITY Huntington Beach DATE 6/17/04

WELL LOCATION (ADDRESS IF AVAILABLE)  
17121 Nichols St.

NAME OF WELL OWNER  
Rainbow Disposal Co. Inc.

ADDRESS  
17121 Nichols St.

CITY Huntington ZIP CA 92647 TELEPHONE (714) 847-3581

NAME OF CONSULTING FIRM  
Environ Strategy Consultant

BUSINESS ADDRESS  
30 Hughes, Suite 209

CITY Irvine ZIP CA 92618 TELEPHONE (949) 581-3222

NAME OF DRILLING CO. J & H Drilling Co. Inc C-57 LICENSE NO. 740854

CITY Anaheim ZIP CA 92805 TELEPHONE (714) 535-0392

TYPE OF WELL (CHECK)

PRIVATE DOMESTIC  MONITORING

PUBLIC DOMESTIC  SOIL BORING

IRRIGATION  OTHER

CATHODIC  TOTAL NUMBER 3

A. WELLS - SUBMIT A WELL CONSTRUCTION DIAGRAM (INCLUDE DIMENSIONS) Hydro Punch screen depth 50-60' BGS

B. SOIL BORINGS AND PROBES - Bentonite Chips + Concrete surface to 4'

TOTAL DEPTH 60' BGS

SEALING MATERIAL Bentonite

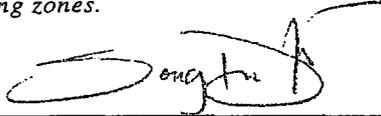
C. PROPOSED START DATE 6/19/04

DIAGRAM OF WELL SITE (Use additional sheets and/or attachments)

See Well Construction Diagram

SITE PLAN ATTACHED

I hereby agree to comply in every respect with all requirements of the Health Care Agency and with all ordinances and laws of the County of Orange and of the State of California pertaining to well construction, reconstruction and destruction, including the requirements to maintain the integrity of all significant confining zones.

 6/17/04

APPLICANT'S SIGNATURE DATE

SONG TRAN

PRINT NAME

(949) 581-3222 (949) 581-3207

PHONE NUMBER FAX NUMBER

FOR ACCOUNTING USE ONLY:

HSD NO. 18605-9 CHECK NO. 3944

DATE 6-17-04 AMOUNT 630-

INTL. ML

APPROVAL BY OTHER AGENCIES:

JURISDICTION \_\_\_\_\_

REMARKS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

AUTHORIZED SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

DISPOSITION OF PERMIT (DO NOT FILL IN):

APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

A. NOTIFY THIS AGENCY AT LEAST 48 HOURS

PRIOR TO START.

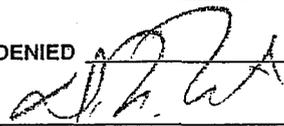
PRIOR TO SEALING THE ANNULAR SPACE OR FILLING OF THE CONDUCTOR CASING.

B.  SUBMIT TO THE AGENCY WITHIN 30 DAYS AFTER COMPLETION OF WORK, A WELL COMPLETION REPORT AND/OR DRILLING LOGS. PLEASE REFERENCE PERMIT NO.

C.  SECURE ALL MONITORING WELLS TO PREVENT TAMPERING.

D.  OTHER \_\_\_\_\_

DENIED

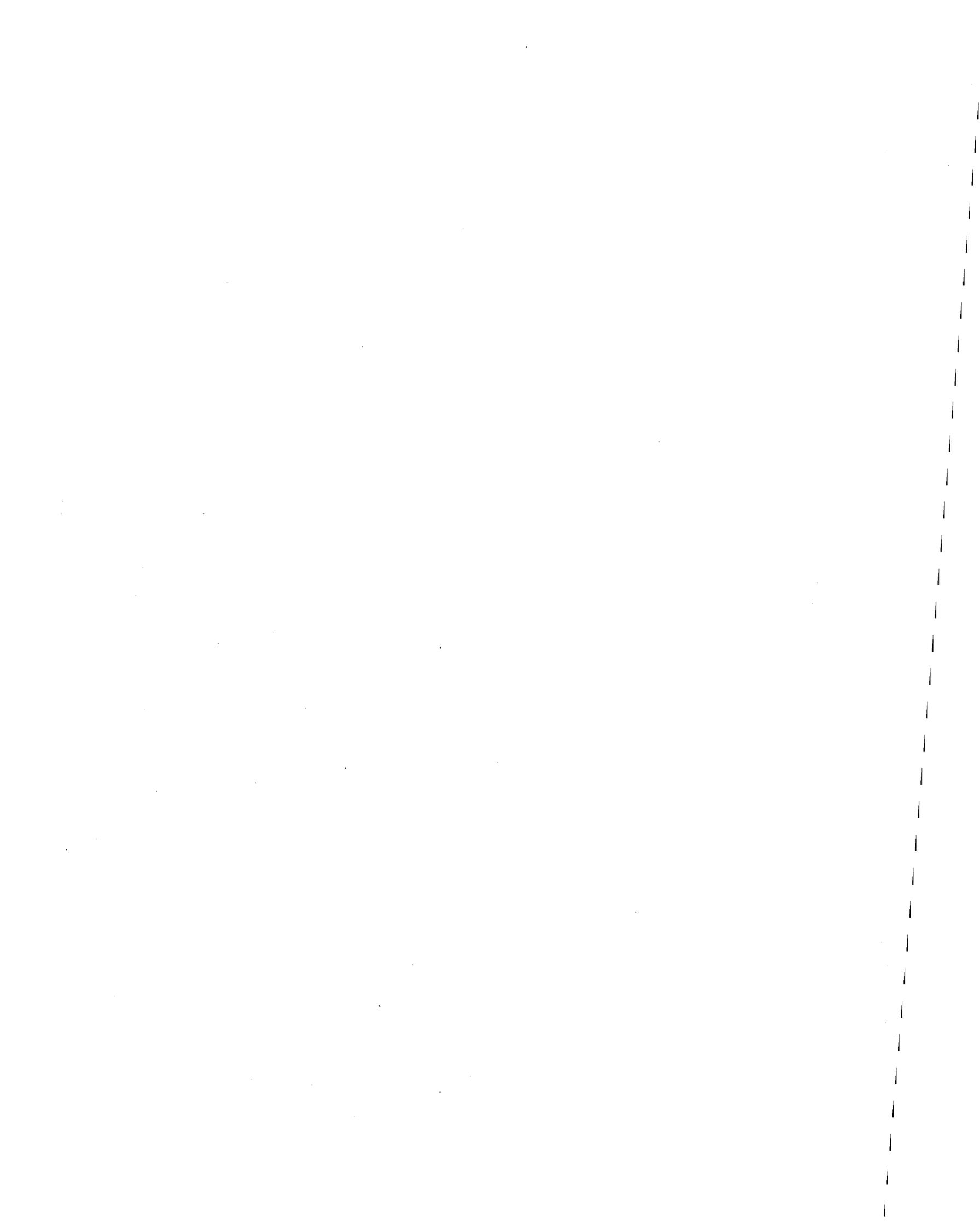
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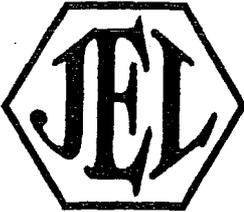
PERMIT ISSUED BY DATE

DAN MATSUI 714 6673758

PRINT NAME PHONE NUMBER

WELL PERMIT NUMBER 04-06-32





# Jones Environmental, Inc.

Testing Laboratories

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(714) 449-9937 • FAX (714) 449-9685

JONES ENVIRONMENTAL

## LABORATORY REPORT

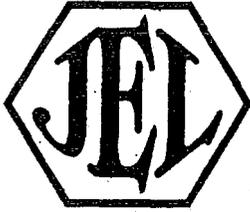
Client:	Environ Strategy Consultants, Inc.	Report Date:	06/17/04
Client Address:	30 Hughes, Suite 209 Irvine, CA 92618	JEL Ref. No.:	C-0831
		Client Ref. No.:	281B
Attn:	John Mc Namara	Date Sampled:	06/15/04
		Date Received:	06/15/04
Project:	Rainbow Disposal	Date Analyzed:	06/15/04 & 06/17/04
Project Address:	17121 Nichols St., Huntington Beach, CA	Physical State:	Soil

### ANALYSES REQUESTED

1. EPA 5035B/8260B- Volatile Organics Compounds by GC/MS
2. Mod 8015 Gasoline - Volatile Hydrocarbons
3. Mod 8015 Diesel - Semi-Volatile Hydrocarbons

Approval:

Steve Jones, Ph.D.  
Laboratory Manager



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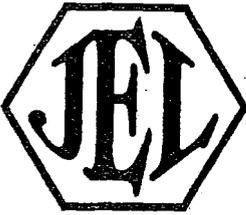
## LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/17/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0831
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/15/04
		<b>Date Received:</b>	06/15/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/15/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-1-5'</u>	<u>SB-1-10'</u>	<u>SB-1-15'</u>	<u>SB-2-5'</u>	<u>SB-2-10'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	4.3	ND	ND	ND	ND	1.0	ug/Kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromoform	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroform	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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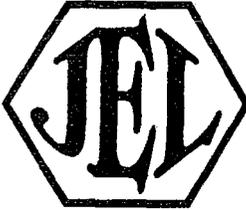
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/17/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0831
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/15/04
		<b>Date Received:</b>	06/15/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/15/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-1-5'</u>	<u>SB-1-10'</u>	<u>SB-1-15'</u>	<u>SB-2-5'</u>	<u>SB-2-10'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Trichlorofluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Xylenes	ND	ND	ND	ND	ND	1.0	ug/Kg
MTBE	10	ND	ND	ND	ND	1.0	ug/Kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	1.0	ug/Kg
Di-isopropylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-amylmethylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylalcohol	ND	ND	ND	ND	ND	5.0	ug/Kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Surrogate Recovery :</u></b>						<b><u>QC Limits</u></b>	
Dibromofluoromethane	100%	103%	106%	93%	96%	60 - 140	
Toluene-d <sub>8</sub>	99%	103%	93%	95%	90%	60 - 140	
4-Bromofluorobenzene	95%	88%	93%	91%	93%	60 - 140	

ND = Not Detected



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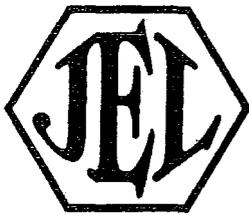
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/17/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0831
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/15/04
		<b>Date Received:</b>	06/15/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/15/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-2-15'</u>	<u>SB-3-5'</u>	<u>SB-3-10'</u>	<u>SB-3-15'</u>	<u>SB-4-5'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Freon 113	ND	ND	ND	ND	ND	1.0	ug/Kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	ug/Kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Naphthalene	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Styrene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg
Toluene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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Testing Laboratories

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## LABORATORY RESULTS

Client:	Environ Strategy Consultants, Inc.	Report Date:	06/17/04
Client Address:	30 Hughes, Suite 209 Irvine, CA 92618	JEL Ref. No.:	C-0831
		Client Ref. No.:	281B
Attn:	John Mc Namara	Date Sampled:	06/15/04
		Date Received:	06/15/04
Project:	Rainbow Disposal	Date Analyzed:	06/15/04
Project Address:	17121 Nichols St., Huntington Beach, CA	Physical State:	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

Sample ID:	SB-4-10'	SB-4-15'	SB-5-5'	SB-5-10'	SB-5-15'	Practical Quantitation Limits	Units
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromoform	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroform	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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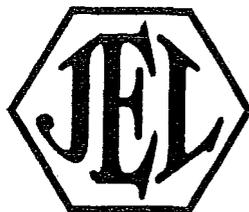
## LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/17/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0831
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/15/04
		<b>Date Received:</b>	06/15/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/15/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-4-10'</u>	<u>SB-4-15'</u>	<u>SB-5-5'</u>	<u>SB-5-10'</u>	<u>SB-5-15'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Trichlorofluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Xylenes	ND	ND	ND	ND	ND	1.0	ug/Kg
MTBE	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	1.0	ug/Kg
Di-isopropylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-amylmethylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylalcohol	ND	ND	ND	ND	ND	5.0	ug/Kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Surrogate Recovery :</u></b>						<b><u>QC Limits</u></b>	
Dibromofluoromethane	98%	107%	96%	110%	100%	60 - 140	
Toluene-d <sub>8</sub>	106%	95%	99%	73%	84%	60 - 140	
4-Bromofluorobenzene	87%	87%	90%	105%	85%	60 - 140	

ND = Not Detected



# Jones Environmental, Inc.

Testing Laboratories

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## JONES ENVIRONMENTAL

### LABORATORY RESULTS

Client:	Environ Strategy Consultants, Inc.	Report Date:	06/17/04
Client Address:	30 Hughes, Suite 209 Irvine, CA 92618	JEL Ref. No.:	C-0831
		Client Ref. No.:	281B
Attn:	John Mc Namara	Date Sampled:	06/15/04
		Date Received:	06/15/04
Project:	Rainbow Disposal	Date Analyzed:	06/15/04
Project Address:	17121 Nichols St., Huntington Beach, CA	Physical State:	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-6-5'</u>	<u>SB-6-10'</u>	<u>SB-6-15'</u>	<u>SB-7-5'</u>	<u>SB-7-10'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Freon 113	ND	ND	ND	ND	ND	1.0	ug/Kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	ug/Kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Naphthalene	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Propylbenzene	11	ND	ND	ND	ND	1.0	ug/Kg
Styrene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg
Toluene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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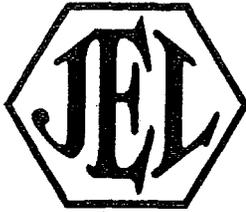
## LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/17/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0831
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/15/04
		<b>Date Received:</b>	06/15/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/15/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-7-15'</u>	<u>SB-15-5'</u>	<u>SB-15-10'</u>	<u>SB-15-15'</u>	<u>SB-17-5'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromoform	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroform	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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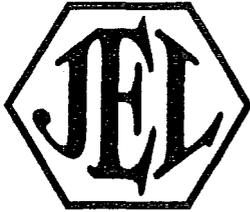
## LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/17/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0831
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/15/04
		<b>Date Received:</b>	06/15/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/15/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-7-15'</u>	<u>SB-15-5'</u>	<u>SB-15-10'</u>	<u>SB-15-15'</u>	<u>SB-17-5'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Trichlorofluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Xylenes	ND	ND	ND	ND	ND	1.0	ug/Kg
MTBE	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	1.0	ug/Kg
Di-isopropylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-amylmethylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylalcohol	ND	ND	ND	ND	ND	5.0	ug/Kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Surrogate Recovery :</u></b>						<b><u>QC Limits</u></b>	
Dibromofluoromethane	104%	112%	100%	111%	107%	60 - 140	
Toluene-d <sub>8</sub>	94%	96%	95%	111%	86%	60 - 140	
4-Bromofluorobenzene	90%	90%	90%	90%	90%	60 - 140	

ND = Not Detected



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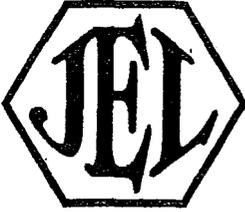
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/17/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0831
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/15/04
		<b>Date Received:</b>	06/15/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/15/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-17-10'</u>	<u>SB-17-15'</u>	<u>SB-18-5'</u>	<u>SB-18-10'</u>	<u>SB-18-15'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Freon 113	ND	ND	ND	ND	ND	1.0	ug/Kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	ug/Kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Naphthalene	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Styrene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg
Toluene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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## QUALITY CONTROL INFORMATION

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/17/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0831
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/15/04
		<b>Date Received:</b>	06/15/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/15/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

Sample Spiked: SB-5-5'

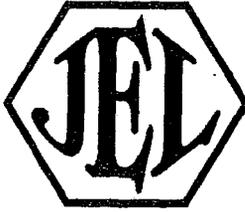
<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
Benzene	60%	69%	13%	60 - 140
Chlorobenzene	89%	98%	9.9%	60 - 140
Toluene	85%	78%	9.1%	60 - 140
Trichloroethylene	95%	90%	4.6%	60 - 140
1,1-Dichloroethylene	121%	116%	4.3%	60 - 140

Sample Spiked: SB-17-5'

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
Benzene	98%	91%	7.5%	60 - 140
Chlorobenzene	110%	96%	14%	60 - 140
Toluene	93%	97%	4.0%	60 - 140
Trichloroethylene	99%	109%	9.3%	60 - 140
1,1-Dichloroethylene	76%	86%	12%	60 - 140

Method Blank = Not Detected

MS = Matrix Spike  
MSD = Matrix Spike Duplicate  
RPD = Relative Percent Difference



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## LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/17/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0831
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/15/04
		<b>Date Received:</b>	06/15/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/15/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### Modified EPA 8015 - Volatile Hydrocarbons (Gasoline)

<u>Sample ID</u>	<u>Concentration (mg/Kg)</u>	<u>Surrogate Recovery %</u>	<u>Dilution Factor</u>	<u>Practical Quantitation Limits (mg/Kg)</u>
SB-6-5'	ND	88%	1	0.5
SB-6-10'	ND	101%	1	0.5
SB-6-15'	ND	100%	1	0.5
SB-7-5'	ND	81%	1	0.5
SB-7-10'	ND	89%	1	0.5
SB-7-15'	ND	92%	1	0.5
SB-15-5'	ND	77%	1	0.5
SB-15-10'	ND	92%	1	0.5
SB-15-15'	ND	79%	1	0.5
SB-17-5'	ND	90%	1	0.5
SB-17-10'	ND	77%	1	0.5
SB-17-15'	ND	108%	1	0.5
SB-18-5'	ND	81%	1	0.5
SB-18-10'	ND	92%	1	0.5
SB-18-15'	ND	97%	1	0.5

ND = Not Detected



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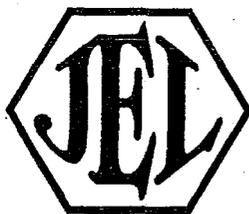
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/17/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0831
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/15/04
		<b>Date Received:</b>	06/15/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

#### Modified EPA 8015 - Semi-Volatile Hydrocarbons (Diesel)

<u>Sample ID</u>	<u>Concentration (mg/Kg)</u>	<u>Surrogate Recovery %</u>	<u>Dilution Factor</u>	<u>Practical Quantitation Limits (mg/Kg)</u>
SB-1-5'	ND	120%	1	10
SB-1-10'	ND	121%	1	10
SB-1-15'	ND	123%	1	10
SB-2-5'	ND	123%	1	10
SB-2-10'	ND	112%	1	10
SB-2-15'	ND	98%	1	10
SB-3-5'	ND	96%	1	10
SB-3-10'	ND	123%	1	10
SB-3-15'	ND	123%	1	10
SB-4-5'	ND	104%	1	10
SB-4-10'	ND	120%	1	10
SB-4-15'	ND	96%	1	10
SB-5-5'	ND	125%	1	10
SB-5-10'	ND	81%	1	10
SB-5-15'	ND	126%	1	10

ND = Not Detected



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## QUALITY CONTROL INFORMATION

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/17/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0831
		<b>Client Ref. No.:</b>	281B

<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/15/04
<b>Project:</b>	Rainbow Disposal	<b>Date Received:</b>	06/15/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Date Analyzed:</b>	06/17/04
		<b>Physical State:</b>	Soil

### Modified EPA 8015 - Semi-Volatile Hydrocarbons (Diesel)

Sample Spiked: SB-1-5'

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
Diesel	86%	85%	2.2%	65 - 125

Sample Spiked: SB-18-5'

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
Diesel	86%	95%	9.4%	65 - 125

Method Blank = Not Detected

MS = Matrix Spike  
MSD = Matrix Spike Duplicate  
RPD = Relative Percent Difference

# Chain-of-Custody Record

Client <b>ENVIRON STRATEGY</b>	Date <b>6/15/04</b>
Project Name <b>RAINBOW DISPOSAL</b>	Client Project # <b>281-B</b>
Project Address <b>17121 Nichols St. Huntington Beach, CA</b>	Turn Around Requested: <input type="checkbox"/> Immediate Attention <input type="checkbox"/> Rush 24-48 Hours <input type="checkbox"/> Rush 72-96 Hours <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Mobile Lab
Project Contact <b>Margaret Patrick</b>	

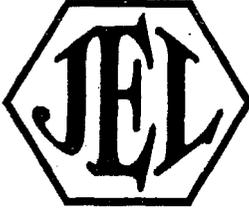
JEL Project #  
**C0831**

Page **2** of **3**

Lab Use Only  
 Sample Condition as Received:  
 Chilled  yes  no  
 Sealed  yes  no

Sample ID	Discussion	Date	Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested	Number of Containers	Remarks/Special Instructions
SB-4-10'		6/15/04	9:58	C0831-11	S	X X X X	3	PLASTIC SLEEVE + 2 ENVELOPES
SB-4-15'			10:02	C0831-12	S	X X X X	3	
SB-5-5'			10:25	C0831-13	S	X X X X	3	
SB-5-10'			10:31	C0831-14	S	X X X X	3	
SB-5-15'			10:38	C0831-15	S	X X X X	3	
SB-6-5'			10:54	C0831-16	S	X X X X	3	
SB-6-10'			10:57	C0831-17	S	X X X X	3	
SB-6-15'			11:03	C0831-18	S	X X X X	3	
SB-7-5'			11:20	C0831-19	S	X X X X	3	
SB-7-10'			11:23	C0831-20	S	X X X X	3	

1 Relinquished by (signature) <i>Received by TC</i> <i>[Signature]</i> Company <b>JEL</b>	Date <b>6/15/04</b> Time <b>15:05</b>	2 Received by (signature) <i>TC</i> <i>[Signature]</i> Company <b>Environ Strategy</b>	Date <b>6/15/04</b> Time <b>15:02</b>	Total Number of Containers <b>30</b>  The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.
3 Relinquished by (signature)	Date	4 Received by Laboratory (signature)	Date	
Company	Time	Company	Time	



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## LABORATORY REPORT

**Client:** Environ Strategy Consultants, Inc.  
**Client Address:** 30 Hughes, Suite 209  
Irvine, CA 92618

**Report Date:** 06/18/04  
**JEL Ref. No.:** ST-1378  
**Client Ref. No.:** 281B

**Attn:** John Mc Namara  
**Project:** Rainbow Disposal  
**Project Address:** 17121 Nichols St., Huntington Beach, CA

**Date Sampled:** 06/16/04  
**Date Received:** 06/16/04  
**Date Analyzed:** 06/16/04-06/18/04  
**Physical State:** Soil

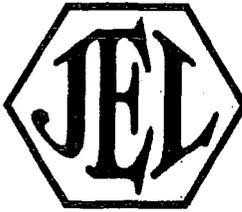
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### ANALYSES REQUESTED

1. EPA 5035B/8260B- Volatile Organics Compounds by GC/MS
2. Mod 8015 Gasoline - Volatile Hydrocarbons
3. Mod 8015 Diesel - Semi-Volatile Hydrocarbons

Approval:

Steve Jones, Ph.D.  
Laboratory Manager



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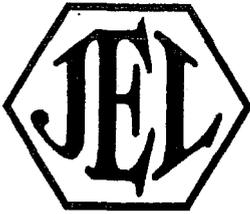
## LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1378
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/16/04
		<b>Date Received:</b>	06/16/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/16/04-06/17/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-9-5'</u>	<u>SB-9-10'</u>	<u>SB-9-15'</u>	<u>SB-10-5'</u>	<u>SB-10-10'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromoform	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroform	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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Testing Laboratories

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LABORATORY RESULTS

**Client:** Environ Strategy Consultants, Inc. **Report Date:** 06/18/04  
**Client Address:** 30 Hughes, Suite 209 **JEL Ref. No.:** ST-1378  
 Irvine, CA 92618 **Client Ref. No.:** 281B

**Attn:** John Mc Namara **Date Sampled:** 06/16/04  
**Project:** Rainbow Disposal **Date Received:** 06/16/04  
**Project Address:** 17121 Nichols St., Huntington Beach, CA **Date Analyzed:** 06/16/04-06/17/04  
**Physical State:** Soil

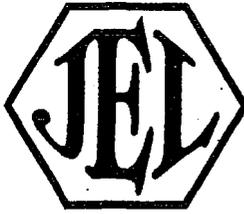
EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-9-5'</u>	<u>SB-9-10'</u>	<u>SB-9-15'</u>	<u>SB-10-5'</u>	<u>SB-10-10'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Trichlorofluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Xylenes	ND	ND	ND	ND	ND	1.0	ug/Kg
MTBE	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	1.0	ug/Kg
Di-isopropylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-amylmethylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylalcohol	ND	ND	ND	ND	ND	5.0	ug/Kg

**Dilution Factor**                      1                      1                      1                      1                      1

<u>Surrogate Recovery :</u>						<u>QC Limits</u>
Dibromofluoromethane	97%	98%	106%	102%	100%	60 - 140
Toluene-d <sub>8</sub>	99%	118%	123%	98%	101%	60 - 140
4-Bromofluorobenzene	95%	98%	89%	98%	95%	60 - 140

ND = Not Detected



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## JONES ENVIRONMENTAL

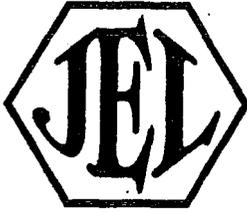
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1378
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/16/04
		<b>Date Received:</b>	06/16/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/16/04-06/17/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-10-15'</u>	<u>SB-11-5'</u>	<u>SB-11-10'</u>	<u>SB-11-15'</u>	<u>SB-14-5'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Freon 113	ND	ND	ND	ND	ND	1.0	ug/Kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	ug/Kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Naphthalene	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Styrene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg
Toluene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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## LABORATORY RESULTS

Client: Environ Strategy Consultants, Inc.  
Client Address: 30 Hughes, Suite 209  
Irvine, CA 92618

Report Date: 06/18/04  
JEL Ref. No.: ST-1378  
Client Ref. No.: 281B

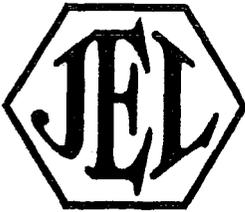
Attn: John Mc Namara  
Project: Rainbow Disposal  
Project Address: 17121 Nichols St., Huntington Beach, CA

Date Sampled: 06/16/04  
Date Received: 06/16/04  
Date Analyzed: 06/16/04-06/17/04  
Physical State: Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-14-10'</u>	<u>SB-14-15'</u>	<u>SB-19-5'</u>	<u>SB-19-10'</u>	<u>SB-19-15'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromoform	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroform	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1378
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/16/04
		<b>Date Received:</b>	06/16/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/16/04-06/17/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

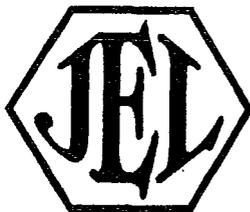
### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-14-10'</u>	<u>SB-14-15'</u>	<u>SB-19-5'</u>	<u>SB-19-10'</u>	<u>SB-19-15'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Trichlorofluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Xylenes	ND	ND	ND	ND	ND	1.0	ug/Kg
MTBE	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	1.0	ug/Kg
Di-isopropylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-amylmethylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylalcohol	ND	ND	ND	ND	ND	5.0	ug/Kg

<b><u>Dilution Factor</u></b>	1	1	1	1	1		
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<u>Surrogate Recovery :</u>						<u>QC Limits</u>
Dibromofluoromethane	130%	99%	99%	105%	97%	60 - 140
Toluene-d <sub>8</sub>	89%	100%	126%	103%	111%	60 - 140
4-Bromofluorobenzene	72%	103%	97%	104%	98%	60 - 140

ND = Not Detected



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## JONES ENVIRONMENTAL

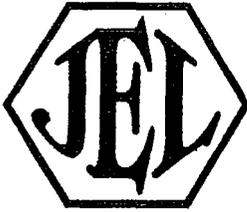
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1378
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/16/04
		<b>Date Received:</b>	06/16/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/16/04-06/17/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-20-5'</u>	<u>SB-20-10'</u>	<u>SB-20-15'</u>	<u>SB-21-5'</u>	<u>SB-21-10'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Freon 113	ND	ND	ND	ND	ND	1.0	ug/Kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	ug/Kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Naphthalene	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Styrene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg
Toluene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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## LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1378
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/16/04
		<b>Date Received:</b>	06/16/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/16/04-06/17/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-21-15'</u>	<u>SB-22-5'</u>	<u>SB-22-10'</u>	<u>SB-22-15'</u>	<u>SB-23-5'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromoform	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroform	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



# Jones Environmental, Inc.

Testing Laboratories

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## JONES ENVIRONMENTAL

### LABORATORY RESULTS

**Client:** Environ Strategy Consultants, Inc.  
**Client Address:** 30 Hughes, Suite 209  
Irvine, CA 92618

**Report Date:** 06/18/04  
**JEL Ref. No.:** ST-1378  
**Client Ref. No.:** 281B

**Attn:** John Mc Namara  
**Project:** Rainbow Disposal  
**Project Address:** 17121 Nichols St., Huntington Beach, CA

**Date Sampled:** 06/16/04  
**Date Received:** 06/16/04  
**Date Analyzed:** 06/16/04-06/17/04  
**Physical State:** Soil

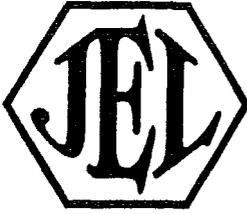
#### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-21-15'</u>	<u>SB-22-5'</u>	<u>SB-22-10'</u>	<u>SB-22-15'</u>	<u>SB-23-5'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Trichlorofluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Xylenes	ND	ND	ND	ND	ND	1.0	ug/Kg
MTBE	3.8	ND	ND	ND	ND	1.0	ug/Kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	1.0	ug/Kg
Di-isopropylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-amylmethylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylalcohol	ND	ND	ND	ND	ND	5.0	ug/Kg

<u>Dilution Factor</u>	1	1	1	1	1
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<u>Surrogate Recovery :</u>						<u>QC Limits</u>
Dibromofluoromethane	94%	97%	91%	93%	98%	60 - 140
Toluene-d <sub>8</sub>	102%	106%	105%	103%	105%	60 - 140
4-Bromofluorobenzene	96%	103%	103%	113%	108%	60 - 140

ND = Not Detected



# Jones Environmental, Inc.

Testing Laboratories

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## JONES ENVIRONMENTAL

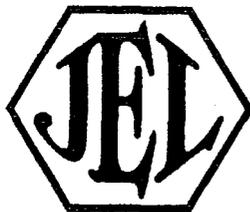
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1378
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/16/04
		<b>Date Received:</b>	06/16/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/16/04-06/17/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-23-10'</u>	<u>SB-23-15'</u>	<u>SB-24-5'</u>	<u>SB-24-10'</u>	<u>SB-24-15'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Freon 113	ND	ND	ND	ND	ND	1.0	ug/Kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	ug/Kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Naphthalene	2.6	66	ND	ND	ND	1.0	ug/Kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Styrene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg
Toluene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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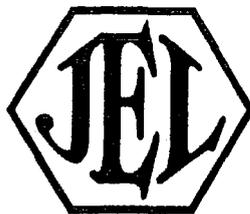
## LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1378
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/16/04
		<b>Date Received:</b>	06/16/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/16/04-06/17/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-25-5'</u>	<u>SB-25-10'</u>	<u>SB-25-15'</u>	<u>SB-26-5'</u>	<u>SB-26-10'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromoform	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroform	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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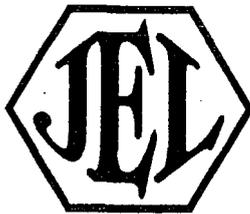
## LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1378
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/16/04
		<b>Date Received:</b>	06/16/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/16/04-06/17/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-25-5'</u>	<u>SB-25-10'</u>	<u>SB-25-15'</u>	<u>SB-26-5'</u>	<u>SB-26-10'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Trichlorofluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Xylenes	ND	ND	ND	ND	ND	1.0	ug/Kg
MTBE	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	1.0	ug/Kg
Di-isopropylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-amylmethylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylalcohol	ND	ND	ND	ND	ND	5.0	ug/Kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Surrogate Recovery :</u></b>						<b><u>QC Limits</u></b>	
Dibromofluoromethane	107%	96%	97%	93%	84%	60 - 140	
Toluene-d <sub>8</sub>	104%	103%	110%	110%	103%	60 - 140	
4-Bromofluorobenzene	115%	105%	105%	100%	109%	60 - 140	

ND = Not Detected



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### LABORATORY RESULTS

**Client:** Environ Strategy Consultants, Inc.  
**Client Address:** 30 Hughes, Suite 209  
Irvine, CA 92618

**Report Date:** 06/18/04  
**JEL Ref. No.:** ST-1378  
**Client Ref. No.:** 281B

**Attn:** John Mc Namara

**Date Sampled:** 06/16/04

**Date Received:** 06/16/04

**Project:** Rainbow Disposal

**Date Analyzed:** 06/16/04-06/17/04

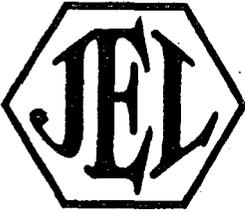
**Project Address:** 17121 Nichols St., Huntington Beach, CA

**Physical State:** Soil

#### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-26-15'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>			
cis-1,2-Dichloroethene	ND	1.0	ug/Kg
trans-1,2-Dichloroethene	ND	1.0	ug/Kg
1,2-Dichloropropane	ND	1.0	ug/Kg
1,3-Dichloropropane	ND	1.0	ug/Kg
2,2-Dichloropropane	ND	1.0	ug/Kg
1,1-Dichloropropene	ND	1.0	ug/Kg
cis-1,3-Dichloropropene	ND	1.0	ug/Kg
trans-1,3-Dichloropropene	ND	1.0	ug/Kg
Ethylbenzene	ND	1.0	ug/Kg
Freon 113	ND	1.0	ug/Kg
Hexachlorobutadiene	ND	1.0	ug/Kg
Isopropylbenzene	ND	1.0	ug/Kg
4-Isopropyltoluene	ND	1.0	ug/Kg
Methylene chloride	ND	1.0	ug/Kg
Naphthalene	ND	1.0	ug/Kg
n-Propylbenzene	ND	1.0	ug/Kg
Styrene	ND	1.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	1.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	1.0	ug/Kg
Tetrachloroethylene	ND	1.0	ug/Kg
Toluene	ND	1.0	ug/Kg
1,2,3-Trichlorobenzene	ND	1.0	ug/Kg
1,2,4-Trichlorobenzene	ND	1.0	ug/Kg
1,1,1-Trichloroethane	ND	1.0	ug/Kg
1,1,2-Trichloroethane	ND	1.0	ug/Kg
Trichloroethylene	ND	1.0	ug/Kg

ND = Not Detected



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## QUALITY CONTROL INFORMATION

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1378
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/16/04
		<b>Date Received:</b>	06/16/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/16/04-06/17/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

Sample Spiked: SB-14-15'

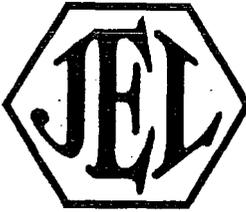
<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
Benzene	88%	97%	10%	60 - 140
Chlorobenzene	89%	102%	13%	60 - 140
Toluene	94%	85%	11%	60 - 140
Trichloroethylene	105%	92%	14%	60 - 140
1,1-Dichloroethylene	108%	96%	12%	60 - 140

Sample Spiked: SB-22-15'

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
Benzene	102%	99%	3.0%	60 - 140
Chlorobenzene	103%	97%	6.0%	60 - 140
Toluene	95%	95%	1.0%	60 - 140
Trichloroethylene	93%	90%	3.0%	60 - 140
1,1-Dichloroethylene	105%	93%	12%	60 - 140

Method Blank = Not Detected

MS = Matrix Spike  
MSD = Matrix Spike Duplicate  
RPD = Relative Percent Difference



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## LABORATORY RESULTS

Client: Environ Strategy Consultants, Inc.  
Client Address: 30 Hughes, Suite 209  
Irvine, CA 92618

Report Date: 06/18/04  
JEL Ref. No.: ST-1378  
Client Ref. No.: 281B

Attn: John Mc Namara  
Project: Rainbow Disposal  
Project Address: 17121 Nichols St., Huntington Beach, CA

Date Sampled: 06/16/04  
Date Received: 06/16/04  
Date Analyzed: 06/16/04-06/17/04  
Physical State: Soil

### Modified EPA 8015 - Volatile Hydrocarbons (Gasoline)

<u>Sample ID</u>	<u>Concentration (mg/Kg)</u>	<u>Surrogate Recovery %</u>	<u>Dilution Factor</u>	<u>Practical Quantitation Limits (mg/Kg)</u>
SB-21-5'	ND	108%	1	0.5
SB-21-10'	ND	108%	1	0.5
SB-21-15'	ND	96%	1	0.5
SB-22-5'	ND	103%	1	0.5
SB-22-10'	ND	103%	1	0.5
SB-22-15'	ND	113%	1	0.5
SB-23-5'	ND	108%	1	0.5
SB-23-10'	ND	88%	1	0.5
SB-23-15'	ND	101%	1	0.5
SB-24-5'	ND	94%	1	0.5
SB-24-10'	ND	118%	1	0.5
SB-24-15'	ND	98%	1	0.5
SB-25-5'	ND	115%	1	0.5
SB-25-10'	ND	105%	1	0.5
SB-25-15'	ND	105%	1	0.5
SB-26-5'	ND	100%	1	0.5
SB-26-10'	ND	109%	1	0.5
SB-26-15'	ND	110%	1	0.5

ND = Not Detected



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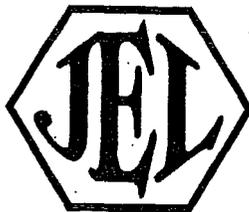
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1378
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/16/04
		<b>Date Received:</b>	06/16/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04-06/18/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### Modified EPA 8015 - Semi-Volatile Hydrocarbons (Diesel)

<u>Sample ID</u>	<u>Concentration (mg/Kg)</u>	<u>Surrogate Recovery %</u>	<u>Dilution Factor</u>	<u>Practical Quantitation Limits (mg/Kg)</u>
SB-9-5'	ND	108%	1	10
SB-9-10'	ND	106%	1	10
SB-9-15'	ND	94%	1	10
SB-10-5'	ND	109%	1	10
SB-10-10'	ND	89%	1	10
SB-10-15'	ND	97%	1	10
SB-11-5'	ND	86%	1	10
SB-11-10'	ND	100%	1	10
SB-11-15'	ND	113%	1	10
SB-14-5'	35	--	1	10
SB-14-10'	520	--	1	10
SB-14-15'	ND	125%	1	10
SB-19-5'	ND	110%	1	10
SB-19-10'	ND	121%	1	10
SB-19-15'	ND	98%	1	10
SB-20-5'	ND	93%	1	10
SB-20-10'	ND	92%	1	10
SB-20-15'	ND	94%	1	10

ND = Not Detected



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## QUALITY CONTROL INFORMATION

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1378
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/16/04
		<b>Date Received:</b>	06/16/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04-06/18/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### Modified EPA 8015 - Semi-Volatile Hydrocarbons (Diesel)

Sample Spiked: SB-11-5'

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
Diesel	93%	98%	4.3%	65 - 125

Sample Spiked: SB-26-5'

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
Diesel	97%	96%	1.7%	65 - 125

Method Blank = Not Detected

MS = Matrix Spike  
MSD = Matrix Spike Duplicate  
RPD = Relative Percent Difference

# Chain-of-Custody Record

**Client** Environ Strategy  
**Project Name** Rainbow Disposal  
**Project Address** 17121 Nichols St.  
Huntington Beach  
**Project Contact** M. Patrick

**Date** 6/16/04  
**Client Project #** 281B  
**Turn Around Requested:**  
 Immediate Attention  
 Rush 24-48 Hours  
 Rush 72-96 Hours  
 Normal  
 Mobile Lab

**JEL Project #** ST-1378  
**Page** 2 of 4  
**Lab Use Only**  
Sample Condition as Received:  
Chilled  yes  no  
Sealed  yes  no

Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Analysis Requested	Number of Containers	Remarks/Special Instructions
SB-14-10		6/16/04	14:04	ST-1378-11	X X X	3	2 FENCHECK + 1 BRASS SLOTTED
SB-14-15			14:12	ST-1378-12			
SB-19-5			11:15	ST-1378-13			
SB-19-10			11:19	ST-1378-14			
SB-19-15			11:26	ST-1378-15			
SB-20-5			8:03	ST-1378-16			
SB-20-10			8:11	ST-1378-17			
SB-20-15			8:16	ST-1378-18			
SB-21-5			8:25	ST-1378-19			
SB-21-10			8:30	ST-1378-20			diesel in soil

Sample Matrix: Soil (S), Sludge (SL), Aqueous (A)  
 8260 B  
 8015 TPH gas  
 8015 TPH diesel  
 Full List

① Relinquished by (signature) *[Signature]*  
Company  
④ Relinquished by (signature)  
Company

Date 6/16/04  
Time  
Date  
Time

② Received by (signature) *[Signature]*  
Company JEL  
③ Received by Laboratory (signature)  
Company

Date 6/16/04  
Time 1645  
Date  
Time

Total Number of Containers  
The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

# Chain-of-Custody Record

Client <b>Environ Strategy</b>	Date <b>6/16/04</b>	JEL Project # <b>ST-1378</b>
Project Name <b>Rainbow Disposal</b>	Client Project # <b>281B</b>	Page <b>4</b> of <b>4</b>
Project Address <b>17121 Nichols St.</b>	Turn Around Requested: <input type="checkbox"/> Immediate Attention <input checked="" type="checkbox"/> Rush 24-48 Hours <input type="checkbox"/> Rush 72-96 Hours <input type="checkbox"/> Normal <input type="checkbox"/> Mobile Lab	Lab Use Only Sample Condition as Received: Chilled <input checked="" type="checkbox"/> yes <input type="checkbox"/> no Sealed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
<b>Huntington Beach</b>		
Project Contact		

Sample ID	Discussion	Date	Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested	Number of Containers	Remarks/Special Instructions
SB-25-5		6/16/04	13:00	ST-1378-31	S	X X X	3	2 syringe + sleeve
SB-25-10			13:07	ST-1378-32				
SB-25-15			13:11	ST-1378-33				
SB-26-5			12:40	ST-1378-34				
SB-26-10			12:43	ST-1378-35				
SB-26-15			12:47	ST-1378-36	↓	↓	↓	↓

1 Relinquished by (signature) <i>[Signature]</i>	Date <b>6/16/04</b>	2 Received by (signature) <i>[Signature]</i>	Date <b>6/16/04</b>	Total Number of Containers
Company	Time	Company	Time <b>1645'</b>	The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.
3 Relinquished by (signature)	Date	4 Received by Laboratory (signature)	Date	
Company	Time	Company	Time	



# Jones Environmental, Inc.

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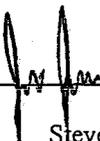
## LABORATORY REPORT

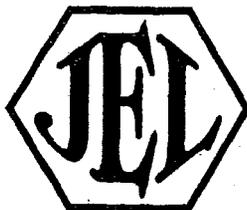
<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0833
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/17/04
		<b>Date Received:</b>	06/17/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04-06/18/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### ANALYSES REQUESTED

1. EPA 5035B/8260B- Volatile Organics Compounds by GC/MS
2. Mod 8015 Gasoline - Volatile Hydrocarbons
3. Mod 8015 Diesel - Semi-Volatile Hydrocarbons

Approval:

  
\_\_\_\_\_  
Steve Jones, Ph.D.  
Laboratory Manager



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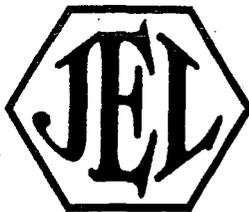
## LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0833
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/17/04
		<b>Date Received:</b>	06/17/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04-06/18/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-27-5'</u>	<u>SB-27-10'</u>	<u>SB-27-15'</u>	<u>SB-28-5'</u>	<u>SB-28-10'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromoform	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroform	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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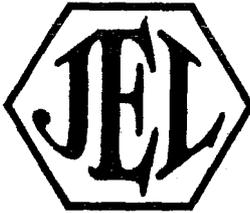
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0833
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/17/04
		<b>Date Received:</b>	06/17/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04-06/18/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-27-5'</u>	<u>SB-27-10'</u>	<u>SB-27-15'</u>	<u>SB-28-5'</u>	<u>SB-28-10'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Trichlorofluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Xylenes	ND	ND	ND	ND	ND	1.0	ug/Kg
MTBE	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	1.0	ug/Kg
Di-isopropylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-amylmethylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylalcohol	ND	ND	ND	ND	ND	5.0	ug/Kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Surrogate Recovery :</u></b>						<b><u>QC Limits</u></b>	
Dibromofluoromethane	96%	94%	90%	94%	96%	60 - 140	
Toluene-d <sub>8</sub>	98%	96%	95%	93%	94%	60 - 140	
4-Bromofluorobenzene	94%	93%	90%	89%	87%	60 - 140	

ND = Not Detected



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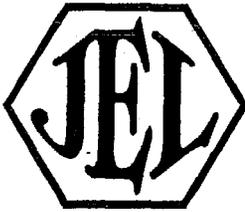
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0833
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/17/04
		<b>Date Received:</b>	06/17/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04-06/18/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-28-15'</u>	<u>SB-29-5'</u>	<u>SB-29-10'</u>	<u>SB-29-15'</u>	<u>SB-16-5'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Freon 113	ND	ND	ND	ND	ND	1.0	ug/Kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	ug/Kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Naphthalene	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Styrene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg
Toluene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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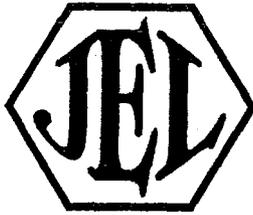
## LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0833
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/17/04
		<b>Date Received:</b>	06/17/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04-06/18/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-16-10'</u>	<u>SB-16-15'</u>	<u>SB-12-5'</u>	<u>SB-12-10'</u>	<u>SB-12-15'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromoform	ND	ND	ND	ND	ND	1.0	ug/Kg
Bromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloroform	ND	ND	ND	ND	ND	1.0	ug/Kg
Chloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	ug/Kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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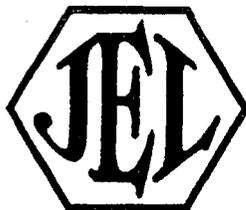
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0833
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/17/04
		<b>Date Received:</b>	06/17/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04-06/18/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-16-10'</u>	<u>SB-16-15'</u>	<u>SB-12-5'</u>	<u>SB-12-10'</u>	<u>SB-12-15'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
Trichlorofluoromethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Xylenes	ND	ND	ND	ND	ND	1.0	ug/Kg
MTBE	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	1.0	ug/Kg
Di-isopropylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-amylmethylether	ND	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylalcohol	ND	ND	ND	ND	ND	5.0	ug/Kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Surrogate Recovery :</u></b>						<b><u>QC Limits</u></b>	
Dibromofluoromethane	95%	97%	94%	97%	98%	60 - 140	
Toluene-d <sub>8</sub>	99%	101%	104%	105%	105%	60 - 140	
4-Bromofluorobenzene	100%	100%	104%	101%	95%	60 - 140	

ND = Not Detected



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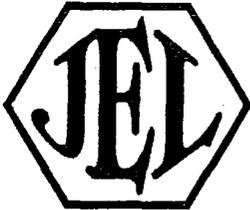
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0833
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/17/04
		<b>Date Received:</b>	06/17/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04-06/18/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-13-5'</u>	<u>SB-13-10'</u>	<u>SB-13-15'</u>	<u>SB-30-5'</u>	<u>SB-30-10'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	ug/Kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Freon 113	ND	ND	ND	ND	ND	1.0	ug/Kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	ug/Kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	ug/Kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	ug/Kg
Naphthalene	ND	ND	ND	ND	ND	1.0	ug/Kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
Styrene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg
Toluene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	ug/Kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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## LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0833
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/17/04
		<b>Date Received:</b>	06/17/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04-06/18/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-30-15'</u>	<u>SB-31-5'</u>	<u>SB-31-10'</u>	<u>SB-31-15'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>						
Benzene	ND	ND	ND	ND	1.0	ug/Kg
Bromobenzene	ND	ND	ND	ND	1.0	ug/Kg
Bromochloromethane	ND	ND	ND	ND	1.0	ug/Kg
Bromodichloromethane	ND	ND	ND	ND	1.0	ug/Kg
Bromoform	ND	ND	ND	ND	1.0	ug/Kg
Bromomethane	ND	ND	ND	ND	1.0	ug/Kg
n-Butylbenzene	ND	ND	ND	ND	1.0	ug/Kg
sec-Butylbenzene	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylbenzene	ND	ND	ND	ND	1.0	ug/Kg
Carbon tetrachloride	ND	ND	ND	ND	1.0	ug/Kg
Chlorobenzene	ND	ND	ND	ND	1.0	ug/Kg
Chloroethane	ND	ND	ND	ND	1.0	ug/Kg
Chloroform	ND	ND	ND	ND	1.0	ug/Kg
Chloromethane	ND	ND	ND	ND	1.0	ug/Kg
2-Chlorotoluene	ND	ND	ND	ND	1.0	ug/Kg
4-Chlorotoluene	ND	ND	ND	ND	1.0	ug/Kg
Dibromochloromethane	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	1.0	ug/Kg
Dibromomethane	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichlorobenzene	ND	ND	ND	ND	1.0	ug/Kg
1,3-Dichlorobenzene	ND	ND	ND	ND	1.0	ug/Kg
1,4-Dichlorobenzene	ND	ND	ND	ND	1.0	ug/Kg
Dichlorodifluoromethane	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethane	ND	ND	ND	ND	1.0	ug/Kg
1,2-Dichloroethane	ND	ND	ND	ND	1.0	ug/Kg
1,1-Dichloroethene	ND	ND	ND	ND	1.0	ug/Kg

ND = Not Detected



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Testing Laboratories

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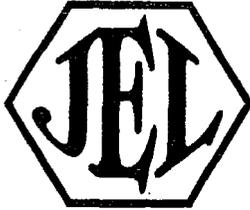
### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0833
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/17/04
		<b>Date Received:</b>	06/17/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04-06/18/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### EPA 5035B/8260B- Volatile Organics by GC/MS

<u>Sample ID:</u>	<u>SB-30-15'</u>	<u>SB-31-5'</u>	<u>SB-31-10'</u>	<u>SB-31-15'</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
<b>Analytes:</b>						
Trichlorofluoromethane	ND	ND	ND	ND	1.0	ug/Kg
1,2,3-Trichloropropane	ND	ND	ND	ND	1.0	ug/Kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	1.0	ug/Kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	1.0	ug/Kg
Vinyl chloride	ND	ND	ND	ND	1.0	ug/Kg
Xylenes	ND	ND	ND	ND	1.0	ug/Kg
MTBE	ND	ND	ND	ND	1.0	ug/Kg
Ethyl-tert-butylether	ND	ND	ND	ND	1.0	ug/Kg
Di-isopropylether	ND	ND	ND	ND	1.0	ug/Kg
tert-amylmethylether	ND	ND	ND	ND	1.0	ug/Kg
tert-Butylalcohol	ND	ND	ND	ND	5.0	ug/Kg
<b><u>Dilution Factor</u></b>	1	1	1	1		
<b><u>Surrogate Recovery :</u></b>					<b><u>QC Limits</u></b>	
Dibromofluoromethane	98%	85%	94%	105%	60 - 140	
Toluene-d <sub>8</sub>	105%	100%	109%	98%	60 - 140	
4-Bromofluorobenzene	104%	96%	94%	107%	60 - 140	

ND = Not Detected



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## LABORATORY RESULTS

Client: Environ Strategy Consultants, Inc.  
Client Address: 30 Hughes, Suite 209  
Irvine, CA 92618

Report Date: 06/18/04  
JEL Ref. No.: C-0833  
Client Ref. No.: 281B

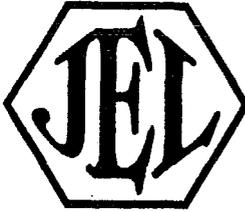
Attn: John Mc Namara  
Project: Rainbow Disposal  
Project Address: 17121 Nichols St., Huntington Beach, CA

Date Sampled: 06/17/04  
Date Received: 06/17/04  
Date Analyzed: 06/17/04-06/18/04  
Physical State: Soil

### Modified EPA 8015 - Volatile Hydrocarbons (Gasoline)

<u>Sample ID</u>	<u>Concentration (mg/Kg)</u>	<u>Surrogate Recovery %</u>	<u>Dilution Factor</u>	<u>Practical Quantitation Limits (mg/Kg)</u>
SB-27-5'	ND	95%	1	0.5
SB-27-10'	ND	101%	1	0.5
SB-27-15'	ND	94%	1	0.5
SB-28-5'	ND	91%	1	0.5
SB-28-10'	ND	96%	1	0.5
SB-28-15'	ND	88%	1	0.5
SB-29-5'	ND	92%	1	0.5
SB-29-10'	ND	108%	1	0.5
SB-29-15'	ND	86%	1	0.5
SB-16-5'	ND	100%	1	0.5
SB-16-10'	ND	103%	1	0.5
SB-16-15'	ND	110%	1	0.5
SB-12-5'	ND	94%	1	0.5
SB-12-10'	ND	101%	1	0.5
SB-12-15'	ND	92%	1	0.5
SB-13-5'	ND	90%	1	0.5
SB-13-10'	ND	86%	1	0.5
SB-13-15'	ND	93%	1	0.5
SB-30-5'	ND	95%	1	0.5
SB-30-10'	ND	103%	1	0.5
SB-30-15'	ND	104%	1	0.5
SB-31-5'	ND	96%	1	0.5
SB-31-10'	ND	94%	1	0.5
SB-31-15'	ND	107%	1	0.5

ND = Not Detected



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(714) 449-9937 • FAX (714) 449-9685

## JONES ENVIRONMENTAL

### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/18/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	C-0833
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/17/04
		<b>Date Received:</b>	06/17/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/17/04-06/18/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Soil

### Modified EPA 8015 - Semi-Volatile Hydrocarbons (Diesel)

<u>Sample ID</u>	<u>Concentration (mg/Kg)</u>	<u>Surrogate Recovery %</u>	<u>Dilution Factor</u>	<u>Practical Quantitation Limits (mg/Kg)</u>
SB-27-5'	ND	106%	1	10
SB-27-10'	ND	111%	1	10
SB-27-15'	ND	108%	1	10
SB-28-5'	ND	106%	1	10
SB-28-10'	ND	97%	1	10
SB-28-15'	ND	107%	1	10
SB-29-5'	ND	99%	1	10
SB-29-10'	ND	103%	1	10
SB-29-15'	ND	100%	1	10
SB-16-5'	ND	108%	1	10
SB-16-10'	ND	117%	1	10
SB-16-15'	ND	113%	1	10
SB-12-5'	ND	108%	1	10
SB-12-10'	ND	108%	1	10
SB-12-15'	ND	106%	1	10
SB-13-5'	ND	104%	1	10
SB-13-10'	39	--	1	10
SB-13-15'	44	--	1	10
SB-30-5'	ND	80%	1	10
SB-30-10'	ND	104%	1	10
SB-30-15'	ND	106%	1	10
SB-31-5'	ND	109%	1	10
SB-31-10'	ND	100%	1	10
SB-31-15'	ND	98%	1	10

ND = Not Detected

# Chain-of-Custody Record

Client <b>ENVIRON STRATEGY</b>	Date <b>6-17-04</b>
Project Name <b>RATON BAY DISPOSAL</b>	Client Project #
Project Address <b>17121 NICHOLS ST.</b>	Turn Around Requested: <input type="checkbox"/> Immediate Attention <input type="checkbox"/> Rush 24-48 Hours <input type="checkbox"/> Rush 72-96 Hours <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Mobile Lab
<b>HUNTINGTON BEACH, CA.</b>	
Project Contact <b>JOHN MACNAMARA</b>	

Analysis Requested

Sample Matrix:  
 Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)

**82608 FULL VOC**  
**8015 m TPH GASOLINE**  
**8015 m TPH DIESEL**

**5035 SAMPLING METHOD**

Number of Containers

JEL Project #  
**C0833**

Page **1** of **3**

Lab Use Only

Sample Condition as Received:  
 Chilled  yes  no  
 Sealed  yes  no

Sample ID	Discussion	Date	Time	Laboratory Sample Number	S	SL	A	SG	Number of Containers	Remarks/Special Instructions
SB-27-5'		6-17-04	07:30	C0833-1	X	X	X		3	PLASTIC SLEEVET 2 ENVELOPES
SB-27-10'		6-17-04	07:35	C0833-2	X	X	X		3	" "
SB-27-15'		6-17-04	07:40	C0833-3	X	X	X		3	" "
SB-28-5'		6-17-04	08:07	C0833-4	X	X	X		3	" "
SB-28-10'		6-17-04	08:10	C0833-5	X	X	X		3	" "
SB-28-15'		6-17-04	08:14	C0833-6	X	X	X		3	" "
SB-29-5'		6-17-04	08:30	C0833-7	X	X	X		3	" "
SB-29-10'		6-17-04	08:35	C0833-8	X	X	X		3	" "
SB-29-15'		6-17-04	08:43	C0833-9	X	X	X		3	" "
SB-16-5'		6-17-04	09:00	C0833-10	X	X	X		3	" "

1 Relinquished by (signature) <b>Magel Pugh</b>	Date <b>6/17/04</b>	2 Received by (signature) <b>Bill Pugh</b>	Date <b>6-17-04</b>	Total Number of Containers
Company <b>Environ Strategy</b>	Time <b>14:35</b>	Company <b>JEL</b>	Time <b>14:35</b>	
3 Relinquished by (signature)	Date	4 Received by Laboratory (signature)	Date	The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.
Company	Time	Company	Time	

# Chain-of-Custody Record

Client: ENVIRON STRATEGIX Date: 6-17-04  
 Project Name: RAINBOW DISPOSAL Client Project #: \_\_\_\_\_  
 Project Address: 17121 NICHOLS ST.  
HUNTINGTON BEACH, CA.  
 Project Contact: JOHN MACNAMARA

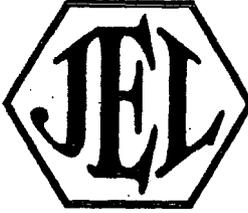
Turn Around Requested:  
 Immediate Attention  
 Rush 24-48 Hours  
 Rush 72-96 Hours  
 Normal  
 Mobile Lab

Analysis Requested  
 Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)  
8260 B FULL VOL  
SO15M TPH VOL  
SO15M TPH DIESEL  
SO15 SAMPLE METHOD  
 Number of Containers

JEL Project # CO833  
 Page 3 of 3  
 Lab Use Only  
 Sample Condition as Received:  
 Chilled  yes  no  
 Sealed  yes  no

Sample ID	Discussion	Date	Time	Laboratory Sample Number	Soil (S)	Sludge (SL)	Aqueous (A)	Soil Gas (SG)	Number of Containers	Remarks/Special Instructions	
SB-30-15'		06-17-04	13:44	CO833-21	S	X	X	X	X	3	PLASTIC SLEEVE + 2 ENCAP
SB-31-5'		6-17-04	14:06	CO833-22	S	X	X	X	X	3	" "
SB-31-10'		6-17-04	14:17	CO833-23	S	X	X	X	X	3	" "
SB-31-15'		6-17-04	14:22	CO833-24	S	X	X	X	X	3	" "

1 Relinquished by (signature) <u>John Macnamara</u>	Date <u>6/17/04</u>	2 Received by (signature) <u>Bill P...</u>	Date <u>6-17-04</u>	Total Number of Containers
Company <u>Environ Stat.</u>	Time <u>14:35</u>	Company <u>JEL</u>	Time <u>14:35</u>	The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.
3 Relinquished by (signature)	Date	4 Received by Laboratory (signature)	Date	
Company	Time	Company	Time	



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Testing Laboratories

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JONES ENVIRONMENTAL

## LABORATORY REPORT

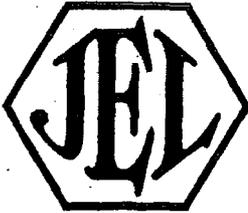
<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/24/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1390
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/19/04
		<b>Date Received:</b>	06/19/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/20/04 & 06/24/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Water

### ANALYSES REQUESTED

1. Mod 8015 Gasoline - Volatile Hydrocarbons
2. EPA 5035B/8260B- Volatile Organics by GC/MS for BTEX & Oxygenates
3. Mod 8015 Diesel - Semi-Volatile Hydrocarbons

Approval:

Steve Jones, Ph.D.  
Laboratory Manager



# Jones Environmental, Inc.

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## JONES ENVIRONMENTAL

### LABORATORY RESULTS

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/24/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1390
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/19/04
		<b>Date Received:</b>	06/19/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/20/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Water

#### Modified EPA 8015 - Volatile Hydrocarbons (Gasoline)

<u>Sample ID</u>	<u>Concentration (mg/L)</u>	<u>Surrogate Recovery %</u>	<u>Dilution Factor</u>	<u>Practical Quantitation Limits (mg/L)</u>
HP-1	ND	93%	1	0.2
HP-2	ND	94%	1	0.2
HP-3	ND	94%	1	0.2

ND = Not Detected

#### QUALITY CONTROL INFORMATION

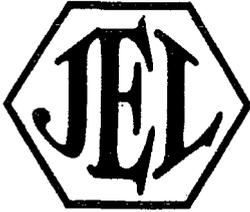
#### Modified EPA 8015 - Volatile Hydrocarbons (Gasoline)

Sample Spiked: HP-1

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
Gasoline	96%	95%	1.4%	65 - 125

Method Blank = Not Detected

MS = Matrix Spike  
MSD = Matrix Spike Duplicate  
RPD = Relative Percent Difference



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Testing Laboratories

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## JONES ENVIRONMENTAL

### QUALITY CONTROL INFORMATION

<b>Client:</b>	Environ Strategy Consultants, Inc.	<b>Report Date:</b>	06/24/04
<b>Client Address:</b>	30 Hughes, Suite 209 Irvine, CA 92618	<b>JEL Ref. No.:</b>	ST-1390
		<b>Client Ref. No.:</b>	281B
<b>Attn:</b>	John Mc Namara	<b>Date Sampled:</b>	06/19/04
		<b>Date Received:</b>	06/19/04
<b>Project:</b>	Rainbow Disposal	<b>Date Analyzed:</b>	06/20/04
<b>Project Address:</b>	17121 Nichols St., Huntington Beach, CA	<b>Physical State:</b>	Water

### EPA 5035B/8260B- Volatile Organics by GC/MS for BTEX & Oxygenates

Sample Spiked: HP-1

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
1,1-Dichloroethylene	97%	96%	1.7%	60 - 140
Benzene	89%	86%	4.2%	60 - 140
Trichloroethylene	81%	81%	0.4%	60 - 140
Toluene	117%	113%	3.1%	60 - 140
Chlorobenzene	98%	100%	2.3%	60 - 140

Method Blank = Not Detected

MS = Matrix Spike  
MSD = Matrix Spike Duplicate  
RPD = Relative Percent Difference

# Chain-of-Custody Record

Client: ENVIRON STRATEGY Date: 6/19/04  
 Project Name: RAINBOW DISPOSAL Client Project #: 2P1-B  
 Project Address: 1714 NICHOLS ST.  
HUNTINGTON BEACH, CA  
 Project Contact: JOHN MCNAMARA

Turn Around Requested:  
 Immediate Attention  
 Rush 24-48 Hours  
 Rush 72-96 Hours  
 Normal  
 Mobile Lab

JEL Project #

ST-1390

Page 1 of 1

Lab Use Only

Sample Condition as Received:

Chilled  yes  no  
 Sealed  yes  no

Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A)	Analysis Requested	Number of Containers	Remarks/Special Instructions
HP-1		6/19/04	0645	ST13901	W	X X X	4	
HP-2		↓	0800	ST13902	W	X X X	4	
HP-3		↓	0930	ST13903	W	X X X	4	

1 Relinquished by (signature) <u>[Signature]</u>	Date <u>6/19/04</u>	2 Received by (signature) <u>[Signature]</u>	Date <u>6/19/04</u>	Total Number of Containers
Company <u>ENVIRON STRATEGY</u>	Time <u>1030</u>	Company <u>JEL</u>	Time <u>1030</u>	
3 Relinquished by (signature)	Date	4 Received by Laboratory (signature)	Date	The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.
Company	Time	Company	Time	

## APPENDIX B

**SITE HEALTH AND SAFETY PLAN**

**Rainbow Disposal Company, Inc.  
17121 Nichols Street  
Huntington Beach, California**

prepared for

**Rainbow Disposal Company, Inc.  
17121 Nichols Street  
Huntington Beach, California**

February 20, 2007

Project No. 281-C

prepared by

environ strategy consultants, inc.



---

30 Hughes, Suite 209  
Irvine, California 92618  
tel 949.581.3222  
fax 949.581.3207

# Site Health and Safety Plan

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1.0 BACKGROUND .....	1
2.0 OBJECTIVE AND PLAN .....	1
3.0 HAZARD EVALUATION .....	2
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3.3 Underground Line and Utility Clearing .....	4
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4.0 EMERGENCY PROCEDURE .....	5
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**HEALTH AND SAFETY PLAN**  
**Rainbow Disposal Company, Inc.**  
17121 Nichols Street  
Huntington Beach, California

## 1.0 BACKGROUND

The subject site is a 17.59 acres active permitted non-hazardous waste transfer and material recycling facility with a household hazardous materials collection center operated by Orange County. The facility receives an average of 2,000 tons of waste per day and operates 24 hours per day, seven days a week. Various commercial and industrial activities in addition to waste processing have been performed on the subject property in the last 50 years. The site originally had a farm and later housed a rendering plant with meat packing, an ice making facility, a machine shop, an oil filter processing facility, a lumber company, a contractors yard, and heavy equipment repair and parking. A spur off the adjacent Southern Pacific Railway also used to enter the site. Currently the site contains a large material recycling building with conveyors, a transfer station with scales, an office building, a welding shop, a vehicle repair shop, a truck wash bay with a clarifier, a bin wash and repair bay with a clarifier and two spray paint booths, a household hazardous waste enclosure, a fuel dispenser island with fuel storage tanks in vaults, and several large asphalt parking lots used for trucks, bins, and vehicles. The fuel dispensing island contains a 2,000-gallon gasoline above ground storage tank (AST), a 10,000 and 11,250-gallon diesel ASTs, and a 750-gallon waste oil AST. The site used to contain several

## Site Health and Safety Plan

underground storage tanks (USTs) which had reported leakages. On-site remediation consisting of in-situ steam injection vacuum extraction (SIVE) was implemented in late 1991 in the areas near the leaking USTs. This system operated until 1994. In 1994 and 1995 approximately 135 ground water monitoring wells associated with the remediation were abandoned. In 1995 a two-year post-remedial monitoring program, using four on-site and three off-site monitoring wells, was initiated. This monitoring program concluded in March 1997.

### 2.0 OBJECTIVE AND PLAN

This health and safety plan was developed to cover a variety of monitoring and investigative work associated with environmental and geotechnical site investigations performed by Environ Strategy Consultants, Inc. (ESCI) employees and/or contractors. All activities will be conducted in accordance with ESCI's injury and illness prevention program and the codes of safe practices.

The following activities are to be conducted:

- Drilling and collection of soil and/or ground water samples for laboratory analysis.
- Other field services related to environmental investigation activities.

### 3.0 HAZARD EVALUATION

#### 3.1 Site Evaluation

Prior to beginning field activities at an active site, the project manager should notify station personnel of the upcoming work planned at the site for the day. Next the site should be visually assessed for potential hazards such as overhead electrical lines, traffic, uneven terrain and slippery surfaces. Before beginning work Environ Strategy personnel and their subcontractors shall locate the following at the site and around the work area:

1. the emergency pump shut-off(s) for the fuel dispensers if applicable
2. the site gas, water, and electrical mains
3. the Underground Service Alert markings for underground utility locations
4. fire extinguishers
5. first aid kits
6. site emergency alarms (if available)
7. land phones and cell phones
8. overhead electric lines
9. site entrances and exits
10. nearby restroom facilities

## Site Health and Safety Plan

11. sources of potable water

### 3.2 Preventative Measures

Work areas will be properly delineated with caution tape, traffic cones, and/or barriers. No unauthorized vehicles or personnel shall be allowed to enter work areas.

Equipment and machinery shall only be operated by employees qualified by training or experience.

The use of any machinery, tool, material, or equipment which is known to be faulty or not in compliance is prohibited. Any machine, tool, material, or equipment which becomes damaged or unsafe, shall be tagged and physically removed from the place of operation. In the case of equipment or machines, the controls shall be locked to render them inoperable.

Open pits and holes will be properly marked with caution tape, traffic cones, and/or barriers as feasible during work hours. Open pits or holes will be properly covered and/or fenced during non-operating hours.

Contaminated soil piles (PID readings >50 ppmV) will be covered and secured with heavy plastic.

Waste shall be placed in appropriate containers. Properly sealed Department of Transportation approved bins or 55-gallon drums shall be used for holding contaminated soil and wastewater.

Workers exposed to excessive noise, which OSHA lists as 90 to 115 decibels, depending on the duration of exposure, shall wear proper hearing protection.

There will be no eating or smoking in work areas. Chewing gum or applying chapstick in the work area is also not recommended due to the potential to ingest airborne contaminants.

### 3.3 Physical Job Hazards

The following is a list of possible job hazards and the recommended measures to prevent such hazards from causing an accident:

- Equipment falling from overhead – wear hard hats.
- Heavy equipment and vehicles operating nearby – clearly mark exclusion area, wear orange vests and/or bright colored clothing.

## Site Health and Safety Plan

- Bad housekeeping causing slips, trips, and falls – do not leave tools and equipment lying around, immediately clean up any spills.
- Pinch points – be cautious of pinch points that could injure hands or feet.
- Cutting tools – use caution with cutting tools as they are one of the main causes of injury. Safety cutting tools that do not have exposed blades are recommended.
- Improper lifting techniques – use legs when lifting, individuals should not lift over 50 pounds
- Heat stroke/exhaustion – drink plenty of water, wear cool clothing if possible, and take breaks. Recommended water intake is two 8-ounce glasses before beginning work, during rest periods, and at the end of the work. Other fluids could include diluted fruit juice or electrolyte replacement drinks. Sodas, coffee, and sugary drinks are not a replacement for water and can cause dehydration. See Section 5.2 Heat Stress for treatment information.
- Fire (above substances are flammable) – do not use open flame or equipment that might spark near flammable substances.
- Electrical hazards from below ground lines or overhead power lines – use hand clearing techniques whenever possible in the top 5 feet of borings or excavations, keep masts and overhead equipment a minimum of 15 feet from power lines.
- Unstable ground conditions or open holes from excavation activities – stay away from the edge of open holes and pits.
- Biological Hazards – watch for bees/wasp nests, fire ant hills, black widows, and long grass that might hide snakes, etc.
- Confined Spaces – Areas that may lack adequate ventilation may trap organic and/or combustible vapors resulting in oxygen depletion or overexposure to vapors. When site work occurs in potentially confined spaces, the air must be monitored for oxygen levels, flammable and toxic vapors. Workers must leave the area if oxygen falls below 19.5%, the lower explosive limit (LEL) is greater than 10%, or if organic vapor monitor (OVM) readings are greater than 100 parts per million by volume (ppmV).

## Site Health and Safety Plan

### 3.4 Suspect Substances

The site has had a history of industrial uses and documented UST leaks. The constituents of concern (COCs) for this site are the fuel oxygenates such as benzene, toluene, ethylbenzene, and total xylenes which are found in gasoline, and a range of other volatile organic compounds (VOCs) which may have been released by solvent and other chemicals used at the site. Exposure to these substances is regulated by the Occupational Safety and Health Administration (OSHA). In addition the National Institute for Occupational Health and Safety (NIOSH) published recommended exposure levels (RELs). The RELs and OSHA Permissible Exposure Limits (PELs) for some of these substances are shown in the following table:

#### Permissible and Recommended Exposure Limits (in ppm)

Compound	OSHA PELs		NIOSH RELs	
	TWA	STEL	TWA	STEL
Benzene	1	5	0.1	1
Benzyl Chloride	1		Not Established	1
Carbon Tetrachloride	10	200	2	2
Chlorobenzene	75		Not Established	
Chloroform	50		2	
1,2-Dibromoethane	20	50	0.045	0.13
Dichlorobenzene	50		50	
1,1-Dichloroethane	100		100	
1,2-Dichloroethane	50	200	1	
1,1-Dichloroethene	Not Established			
Ethyl benzene	100	125	100	125
Hydrogen Sulfide	20	50	10	50
Perchloroethylene	100	300	50	100
Toluene	200	500	100	200
1,1,2-Trichloroethane	10		10	
Trichloroethene	100	300	Lowest possible	
Vinyl Chloride	1	5	Lowest possible	
Xylenes	100		100	200

Notes: Concentrations are in parts per million by volume in air. Abbreviations are: PEL = permissible exposure limit; REL = recommended exposure limit; TWA = time weighted average; STEL = short term exposure limit.

## Site Health and Safety Plan

### 3.5 Personal Protective Equipment and Monitoring

We will initially be using level D personal protective equipment which includes: boots, gloves, hard hat and safety glasses. We will upgrade to level C personal protective equipment and use dust masks or half-face respirators fitted with dust/mist cartridges if the on-site Safety Officer determines it is necessary.

During drilling, soil sampling, and any soil/subsurface intrusive activity, Undifferentiated Volatile Organic Compound (UVOC) emissions will be monitored with a Photo Ionization Detector (PID) Organic Vapor Meter (OVM) calibrated to a benzene standard (isobutylene). The Site Safety Officer (SSO) will monitoring the breathing space and excavated material during drilling at 15-minute intervals or whenever odors are sensed. The times and concentrations encountered during monitoring will be recorded on an air quality monitoring log or the boring logs.

A perimeter survey will be conducted using the OVM prior to the start of work in order to establish baseline air concentration levels. Based on our understanding of potential chemical hazards, benzene has been identified as our "target compound" compound for air quality monitoring. Benzene has been chosen due to the fact that it has one of the lowest permissible (PEL) or recommended exposure limit (REL) of the volatile organic compounds potentially present at the site.

Although there is no benzene response curve for this unit, based on calculations involving the molecular weights of benzene, gasoline, and the known average concentration of benzene in fresh gasoline, 100 ppm hydrocarbon vapor would contain less than of 1 ppm benzene. For "weathered" gasoline, such as that anticipated at the project site, we believe that the 100 ppm value for total organic vapor will provide an adequate factor of safety. To approach the NIOSH STEL of 1 ppm exposure to benzene, a 100 ppm total organic vapor concentration would need to be present in the breathing space for 15 minutes. Therefore, in the event that the OVM registers 100 ppm for an extended duration (15 minutes), it will be assumed that the NIOSH STEL value for benzene exposure has been met. Upon reaching the NIOSH STEL respirators are required. To approach the NIOSH REL of 0.1 ppm benzene, employees wearing properly fitted half-face respirators would need to be exposed to 100 ppm total organic vapor concentrations for a continuous 10-hour period. To approach the OSHA PEL of 1 ppm using the suggested respiratory protection, a 1,000 ppm total organic vapor concentration would need to be present in the breathing space for a continuous 8-hour period. Therefore, implementing the air quality monitoring program detailed in this HSP will ensure no worker or employee will be exposed to vapor concentrations exceeding the legally permissible exposure limits.

Precautionary procedures which shall be taken during the field investigation are summarized in the table on the following page:

## Site Health and Safety Plan

Rainbow Disposal Company, Inc.  
Huntington Beach, California

Page 7  
February 20, 2007

### Action Levels and Procedures

Time or Action Level	Action
Initial site arrival	Perimeter survey with OVM
During drilling operations	OVM monitoring at 15-20 minute intervals
Non-detect to <100 on OVM	Monitor and record
OVM > 100 ppm	Monitor consistently for 15 minute period
OVM > 100 ppm for 10 minutes	Upgrade to level "C" respiratory protection

Air quality monitoring during groundwater sampling, equipment installation and other non-subsurface intrusive activities will be conducted at the discretion of the SSO. In the event hydrocarbon odors are sensed actions as described in the previous table will be implemented.

All ancillary activities will be located upwind of excavation activities as determined by a flag or other wind-direction indicating device mounted in the work area at an elevated position.

### 3.6 Underground Line & Utility Clearing

Drilling, trenching and excavation locations will be marked in advance of scheduled field activities in accordance with Underground Service Alert (USA) requirements. Records of such notification are to be maintained by the primary contract company.

### 3.7 Decontamination Procedures

Gloves shall be worn during all demolition and excavation activities.

## 4.0 EMERGENCY PROCEDURE

In the event of fire or other emergency dial 911.

The nearest hospital with an emergency room is the Huntington Beach Hospital and Medical Center, located at 17772 Beach Boulevard in Huntington Beach, California. The hospital is located one mile south of the site. To get to the hospital from the site, turn left onto Nichols Street, make a right onto Warner, make a right onto Beach Boulevard. The hospital will be on your left past Slater Avenue.

The hospital phone number is (714) 842-1473.

Site Health and Safety Plan

5.0 ACKNOWLEDGMENT AND UNDERSTANDING OF PLAN

This health and safety plan was prepared by the undersigned, having successfully completed OSHA standard 29 CFR 1910.120 40-hour hazardous materials health and safety training.

Health & Safety Director: Margaret Poch  
for John McNamara

Site Health & Safety Officer: Margaret Patrick  
Margaret Patrick

Project Manager: Margaret Poch  
for John McNamara

I UNDERSTAND AND AGREE TO THE ABOVE PLAN.

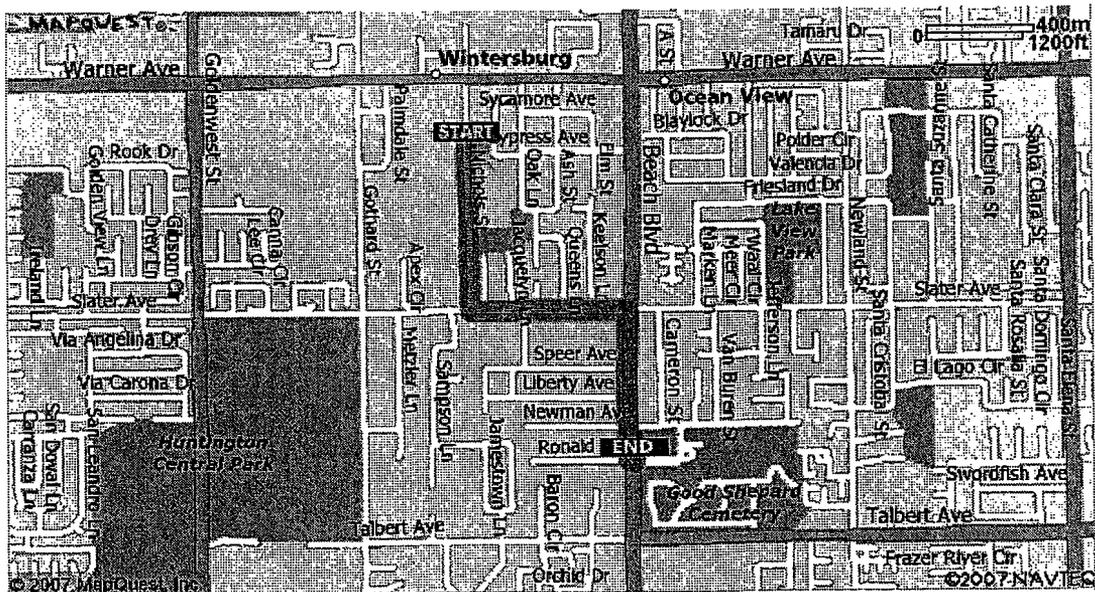
Jay Jensen Jay Jensen 2-22-07  
Contractors:

Scott Willey Scott Willey 2-22-07

~~my signature~~  
Rafael Del Rio Rafael Del Rio 3-26-07 CDZ

Geologist/Field Technicians: Margaret Patrick 2/22/07  
Margaret Patrick 3/26/07

Directions	Distance
<b>Total Est. Time: 3 minutes      Total Est. Distance: 1.14 miles</b>	
 1: Start out going SOUTH on NICHOLS ST toward WAGON DR.	0.3 miles
 2: Turn LEFT onto SLATER AVE.	0.3 miles
 3: Turn RIGHT onto BEACH BLVD / CA-39 S.	0.3 miles
 4: Make a U-TURN onto BEACH BLVD / CA-39 N.	<0.1 miles
 5: End at 17772 Beach Blvd Huntington Beach, CA 92647-6819, US	
<b>Total Est. Time: 3 minutes      Total Est. Distance: 1.14 miles</b>	



**Start:**  
**17121 Nichols St**  
 Huntington Beach, CA 92647-5719,  
 US

**End:**  
**17772 Beach Blvd**  
 Huntington Beach, CA 92647-6819,  
 US

## APPENDIX C



**SUBSURFACE EXPLORATION LOG**

CLIENT: Rainbow Disposal  
 PROJECT NUMBER: 281C  
 LOCATION: 17121 Nichols Street Huntington Beach, CA  
 SURFACE ELEVATION:

GEOLOGIST: Margaret Patrick  
 DATE DRILLED: February 22, 2007  
 DRILLING COMPANY: Millennium Environmental, Inc.  
 NORTHING:

TOTAL DEPTH: 20 Page 1 of 1  
 DRILLING METHOD: Geoprobe (truck mounted)  
 SAMPLE METHOD: Shelby tube with acetate sleeve  
 EASTING:

Depth (ft)	Samples	Time (24 hr)	Sample Number	FID/PID (ppm)		Blow Count	Recovery (ft)	% fines				GEOLOGIC DESCRIPTION										Soil Class. Symbol	Lithologic Contact (ft bgs)		
				Sample	Breathing Zone			% gravel	% sand	% non-plastic fines	% plastic fines	Lithologic Name	Color	Moisture	Density	Consistency	Plasticity	Angularity	Max. grain size	grading	Additional Modifiers				
5		14:00	FDB-5-5'	0	0		3' 5"	20	50	25		4-6" Asphalt over 34 base rock micaceous CLAYEY SILT	mod. yell brown 10YR 5/4	damp		Stiff	low		fine	poor	no odors	ML			
10		14:05	FDB-5-10'	0	0		2' 0"	10	50	40		mottled interbedded SILT and CLAY	mod-dk yell brown 10YR 5/4 - 4/2	damp		Stiff	med		fine	poor	no odors	ML			
15		14:10	FDB-5-15'	0	0		2' 0"	60	40	0		SILTY arkasic SAND	mod. yell brown 10YR 5/4	damp		md. Stiff	non	SA	0.25 mm	poor	no odors	SM	12'		
20		14:20	FDB-5-20'	0.8	0		2' 20"	50	30	0		med to coarse arkasic SAND with FINE GRAVEL and SILT	pale yellowish brown 10YR 6/2	dry	loose		non	SR	0.50 mm	mod.	no odors	SM			
Notes: Encountered old railroad tie - moved boring total depth 26 NO H.C. or groundwater encountered backfilled with bentonite grout Finished surface with asphalt								> 1/4 inch	visible - 1/4 in.	visible with hand lens	not visible	See USCS flow Charts. Describe sand and gravel grading, ie, fine to coarse grained				Use Munsell color chart if available	Dry Moist Wet	Course: v. loose loose md. dense dense	Fines: v. soft soft md. Stiff v. stiff hard	high med low non	A Sa Sr R	In inches	poorly vs. well	odor, staining, minerology, stucture, cementation,	



SUBSURFACE EXPLORATION LOG

CLIENT: Rainbow Disposal

PROJECT NUMBER: 281E

LOCATION: 17121 Nichols Street Huntington Beach, CA

SURFACE ELEVATION:

GEOLOGIST: Margaret Patrick

DATE DRILLED: March 26, 2007

DRILLING COMPANY: Cascade Drilling Inc.

NORTHING:

TOTAL DEPTH: 13'

DRILLING METHOD: Hollow stem auger rig

SAMPLE METHOD: split spoon

EASTING:

Depth (ft)	Samples	Time (24 hr)	Sample Number	FID/PID (ppm)		Blow Count	Recovery (ft)	GEOLOGIC DESCRIPTION											Soil Class. Symbol	Lithologic Contact (ft bgs)						
				Sample	Breathing Zone			% gravel	% sand	% non-plastic fines	% plastic fines	Lithologic Name	Color	Moisture	Density	Consistency	Plasticity	Angularity			Max. grain size	grading	Additional Modifiers			
5	1	10:35	FDB-6-3'	1.7	0	7-10-12	1.5'	20	20	50	10	6" asphalt w/ 3" base rock Fill: SILT, SAND, Gravel and CLAY	dk yell brown 10YR 4/2	damp			md. stiff	non	SA	2mm	mod.	No H.C. odors	fill			
10	2	10:39	FDB-6-8'	0.2	0	11-14-16	1.5'	10	0	60	30	SILT and CLAY w/ trace fine gravel	mod yell. brown 6.5R 5/4	damp			md. stiff	med	SA	3mm	poor	" "	ML			
15	3	10:42	FDB-6-13'	0.3	0	9-12-16	1.5'	0	10	50	40	mottled SILT and CLAY	mottled pale to dk yell brown 10YR 6/2 - 4/2	damp			md. stiff	med	-	fine	poor	" "	ML - CL			
20																										
25																										
30																										
Notes: TD. 13'								> 1/4 inch	visible - 1/4 in.	visible with hand lens	not visible	See USCS flow Charts. Describe sand and gravel grading, ie, fine to coarse grained	Use Munsell color chart if available	Dry Moist Wet	Course: v. loose loose md. dense	Fines: v. soft soft md. stiff v. stiff hard	high med low non	A Sa Sr R	In inches	poorly vs. well	odor, staining, mineralogy, stucture, cementation,					



SUBSURFACE EXPLORATION LOG

CLIENT: Rainbow Disposal
PROJECT NUMBER: 281E
LOCATION: 17121 Nichols Street Huntington Beach, CA
SURFACE ELEVATION:

GEOLOGIST: Margaret Patrick
DATE DRILLED: March 26, 2007
DRILLING COMPANY: Cascade Drilling Inc.
NORTHING:

TOTAL DEPTH: 2'
DRILLING METHOD: Hollow stem auger rig
SAMPLE METHOD: split spoon
EASTING:
Page 1 of 1

Table with columns: Depth (ft), Samples, Time (24 hr), Sample Number, FID/PID (ppm), Blow Count, Recovery (ft), % gravel, % sand, % non-plastic fines, % plastic fines, Lithologic Name, Color, Moisture, Density, Consistency, Plasticity, Angularity, Max. grain size, grading, Additional Modifiers, Soil Class. Symbol, Lithologic Contact (ft bgs). Includes handwritten data for FDB-7-2 at 11:35, showing 6" asphalt overlain by 3" base rock and medium arkosic sand with silt and fine gravel.

Notes: Total depth 2'
no groundwater or H.C. encountered
backfilled with clean native soil
finished at surface with neat cement
Color matched



SUBSURFACE EXPLORATION LOG

CLIENT: Rainbow Disposal
PROJECT NUMBER: 281E
LOCATION: 17121 Nichols Street Huntington Beach, CA
SURFACE ELEVATION:

GEOLOGIST: Margaret Patrick
DATE DRILLED: March 26, 2007
DRILLING COMPANY: Cascade Drilling Inc.
NORTHING:

TOTAL DEPTH: 15'
DRILLING METHOD: Hollow stem auger rig
SAMPLE METHOD: split spoon
EASTING:

Table with columns: Depth (ft), Samples, Time (24 hr), Sample Number, FID/PID (ppm), Blow Count, Recovery (ft), % gravel, % sand, % non-plastic fines, % plastic fines, Lithologic Name, Color, Moisture, Density, Consistency, Plasticity, Angularity, Max. grain size, grading, Additional Modifiers, Soil Class. Symbol, Lithologic Contact (ft bgs). Includes handwritten data for samples FDB-8-5, FDB-8-10, and FDB-8-15, and a note 'end of boring' at 15 feet depth.

Notes: Total depth 15'
No groundwater or HC encountered
backfilled w/ clean native
finished at surface with neat cement



SUBSURFACE EXPLORATION LOG

CLIENT: Rainbow Disposal

GEOLOGIST: Margaret Patrick

TOTAL DEPTH: 20'

Page 1 of 1

PROJECT NUMBER: 281E

DATE DRILLED: March 26, 2007

DRILLING METHOD: Hollow stem auger rig

slant boring

LOCATION: 17121 Nichols Street Huntington Beach, CA

DRILLING COMPANY: Cascade Drilling Inc.

SAMPLE METHOD: split spoon

SURFACE ELEVATION:

NORTHING:

EASTING:

20° from vertical

Depth (ft)	Samples	Time (24 hr)	Sample Number	FID/PID (ppm)		Blow Count	Recovery (ft)	GEOLOGIC DESCRIPTION							Soil Class. Symbol	Lithologic Contact (ft bgs)								
				Sample	Breathing Zone			% gravel	% sand	% non-plastic fines	% plastic fines	Lithologic Name	Color	Moisture			Density	Consistency	Plasticity	Angularity	Max. grain size	grading	Additional Modifiers	
5	1	8:55	FDB-9-5	0.3	0	7-8-14	1.5	30	20	30	20	6" asphalt and 2" base rock Fill: Clay, Silt, Gravel, and SAND	clay greenish black 56Y 2/1 dusky yell 10YR 2/2	damp moist			md. stiff	med	SA	3mm	med.	No H.C. odors	CL	
10	2	8:57	FDB-9-10	0.4	0	10-12-14	1.5	5	5	20	70	CLAY and SILT	dark yell brown 10YR 4/2	damp			stiff	high	-	fine	poor	" "	CL	
15	3	9:01	FDB-9-15	0.1	0	9-12-16	1.5	0	0	50	50	SILT and CLAY	mod. yell brown 10YR 5/4	damp			md. stiff	med	-	fine	poor	" "	ML	
20	4	9:05	FDB-9-20	0.1	0	10-14-20	1.5	0	0	50	50	SILT and CLAY	" "	damp			md. stiff	med	-	fine	poor	" "	ML	
end of boring																								
Notes: Total drill depth 20' or from vert. no groundwater or H.C. encountered backfilled boring w/ native Finished at surface with neat cement								> 1/4 inch	visible - 1/4 in.	visible with hand lens	not visible	See USCS flow Charts. Describe sand and gravel grading, ie, fine to coarse grained	Use Munsell color chart if available	Dry Moist Wet	Course: v. loose loose md. dense dense	Fines: v. soft soft md. Stiff v. stiff hard	high med low non	A Sa Sr R	inches	poorly vs. well	odor, staining, minerology, stucture, cementation,			