



March 10, 1998

Mr. Robert Heindl  
Ingersoll-Rand Equipment Sales  
1495 Valley Center Parkway  
Bethlehem, PA 18017

Re: Transmittal of North Fence Investigation Report

Dear Mr. Heindl:

Enclosed are two copies of the finalized North Fence Soil Investigation Report, the draft of which was reviewed by you in January. I apologize for my tardiness in getting the final report to you.

As we discussed in January, copies are being sent to Alameda County, the City of San Leandro, and the IRES facility in San Leandro. I understand that you will forward a copy to the landlord.

If you have any questions, please call me at (800) 328-8246.

Sincerely,

CAPSULE ENVIRONMENTAL ENGINEERING, INC.

A handwritten signature in black ink, appearing to read "John J. McDermott", written over a horizontal line.

John J. McDermott  
Hydrogeologist

JJM:dmh  
Enclosure

cc: T. Tinsley/ IRES, San Leandro, CA  
S. Seery/Alameda County, Oakland, CA  
M. Bakaldin/San Leandro Fire Department, San Leandro, CA  
K. Graves/Regional Water Quality Control Board. Oakland, CA

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ENGINEERING, INC.

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**North Fence  
Soil Investigation Report  
January 1998**

**Prepared For:**

**Ingersoll-Rand  
Equipment Sales  
San Leandro, California**

**March 10, 1998**

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NORTH FENCE SOIL INVESTIGATION  
REPORT  
JANUARY 1998

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Prepared For:

Ingersoll-Rand Equipment Sales  
1944 Marina Boulevard  
San Leandro, California 94577

March 10, 1998

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Prepared By:



**CAPSULE**

ENVIRONMENTAL ENGINEERING INC.  
1970 Oakcrest Avenue, Suite 215  
St. Paul, Minnesota 55113  
(612) 636-2644

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## 1.0 INTRODUCTION

This report summarizes the investigation methods and findings of a soil investigation performed at the Ingersoll-Rand Equipment Sales facility, 1944 Marina Boulevard, San Leandro, California. Field activities were conducted during the week of July 18, 1997. General background information and investigation methods were described in Capsule's letter to Alameda County, dated June 4, 1997.

### 1.1 BACKGROUND

The Ingersoll-Rand Equipment Sales facility (Facility) has been operating at 1944 Marina Boulevard since 1974. As part of Facility environmental housekeeping activities performed in 1997, a small area (Site) along the north fence line of the property was identified as formerly utilized to store containers holding used petroleum products. The petroleum products were collected from construction and drilling equipment undergoing repair and maintenance at the Facility. The containers were 55 gallon drums and 5 gallon buckets. While it is not possible to determine the length of time the Site was used for storage, by 1991 the Facility was using a contained used oil storage tank and used oil pickup service. Through discussions with Facility personnel and review of Facility information, Capsule developed a general characterization of the Site. Ingersoll-Rand Equipment Sales authorized the performance of a soils investigation to evaluate the environmental condition of the Site.

The Bay Area Regional Water Quality Board and Alameda County were contacted in mid-May to determine the need for regulatory oversight. Alameda County indicated that they considered the investigation to be voluntary action and no pre-work submittal was required.

The approximate dimensions of the Site are 15 feet by 20 feet. The location and general boundaries of the Facility and Site are shown in Figure 1. The Site land surface has up to four feet of relief and is irregular. The eastern portion of the Site is overgrown with vegetation. The northern part of the Site slopes sharply toward a chain link fence, marking the northern boundary of the Site. Immediately north of the Site is an unused railroad track spur that comes into the Facility. To the south of the Site, the land surface flattens as part of the Facility's equipment storage yard. See Appendix A photographs 5, 10, 12 and 14.

## 2.0 INVESTIGATION ACTIVITIES

### 2.1 SOIL SAMPLING

As part of pre-investigation planning activities, a series of up to eight hydraulic push type samples, continuously sampled to 20 to 22 feet were laid out for the Site. Five borings would be installed as the first portion of the work. Soil samples would be submitted for quick turnaround for the BETX and TPH as gasoline constituents. The samples were to be analyzed for the parameters listed in Table 2 of the Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, dated August 10, 1990 (San Francisco Bay Region, CRWQCB, 1990). The analytes included BETX, TPH as gasoline, TPH as diesel, oil and grease, volatile organic compounds, semi-volatile organic compounds and California Title 22 metals.

On the basis of the initial five soil boring results, three additional borings were planned as a contingency. Had impacts been detected in the five initial borings, then, three additional borings would be used to determine the extent of potentially impacted areas.

Analyses were performed by the Clayton Environmental Consultants, Inc. (Pleasanton, California) laboratory. Capsule also prepared a contingency scope of work for the installation of vent wells. Gregg Drilling and Testing, Inc. (Martinez, California) performed the boring services. Prior to the start of work a drilling permit was obtained from the Alameda County Public Works Agency. See Appendix A.

Field activities were conducted during the week of July 7, 1997. On July 7 a utility locating service, Subtronics (Concord, California), cleared the site and surrounding area for buried utilities. Soil boring work also began on July 7. On-site observation indicated that over the years the original ground surface had been altered in and immediately around the Site. The alterations appeared to be minor filling of lower areas near the fence. This land alteration resulted in the northwest corner of the Facility storage yard, including the Site, being flatter and higher. It appeared that the current ground surface was approximately two to four feet above the ground surface that would have existed earlier at the Site. (See photographs 5 and 10.)

A shallow, reconnaissance hand auger boring was installed at a location that would be near the suspected center of the former used oil storage site through the fill material to approximately 5.0 feet. While there was appreciable sloughing of fill material into the boring, the in place material was readily distinguishable from the slough. At the projected horizon of the 1989 ground surface and below, there were no visual or odor indications of petroleum products.

The five initial borings were staked. See Figure 2. (During a 1995 Alameda County-requested ground water investigation Geoprobe points were installed to the water table and sampled. Two sample locations, GP-1 and GP-2, from the 1995 investigation appear on Figure 2.) NFGP-4 was located near the likely center of the Site. Its purpose was to assess both surficial and vertical conditions near the center of the former storage area. NFGP-1, 2, 3 and 5 were located to assess the potential horizontal, as well as vertical, extent of impacts at the Site.

Two soil sampling rigs both using hydraulic push samplers were used. A pickup truck mounted, Geoprobe brand, soil probing machine was used for the boring locations in the flatter portion of the Site. A Marl Technologies brand, track-mounted drilling rig was mobilized to provide access to the steep and hummocky ground at the locations of NFGP- 4 and 5. Equipment was steam cleaned prior to the start of work. The soil sampling was performed by hydraulically-powered equipment that uses static force and percussion to advance sampling tools for the collection of soil samples. The sampling tools consisted of a "Macro-core" Soil Sampler. The sampler is 48 inch by 2.0 inch diameter tube soil sampler capable of retrieving a 45 inch by 1.5 inch core. A clear polyethylene terephthalate (PETG) liner was inserted inside the Macro-core sample tube.

The probe holes were sampled continuously and samples were retrieved. Samples were capped with plastic wrap and vinyl end caps and examined by the on site Capsule geologist. Samples were logged, and as appropriate, cut with a hand saw at various intervals. Head space readings were taken through the vinyl end caps using an Hnu PI 101 photoionization detector. Borings NFGP-1, 2 and 3 were installed on July 7. Borings NFGP-4 and 5 were installed on July 8.

Samples were collected from the continuously sampled lengths based on three criteria: visual or olfactory observation, PID readings or a depth at or slightly below the projected land surface horizon at the time the Site was active. Samples collected for analysis were cut into 6 to 9 inch lengths, capped and labeled. The samples were then placed in a cooler containing ice. The appropriate chains of custody were completed. At the end of the work day samples were hand delivered to Clayton. The following matrix summarizes the samples collected and analytical parameters.

<u>Boring Number</u> (sample depth)	<u>EPA 8010</u> <u>VOCs</u>	<u>EPA 8015</u> <u>(gas)</u>	<u>EPA 8015</u> <u>(diesel)</u>	<u>EPA 8270B</u> <u>SVOCs</u>	<u>Oil &amp;</u> <u>Grease</u>	<u>Metals (1)</u>
NFGP-1 (5.0)	x	x	x	x	x	x
NFGP-2 (7.0)	x	x	x	x	x	x
NFGP-2 (10.5-11.5)	x	x	x		x	
NFGP-3 (7.0)	x	x	x	x	x	x
NFGP-4 (0 - 4.0)	x	x	x	x	x	x
NFGP-4 (11.5 - 12.0)	x	x	x	x	x	x
NFGP-4 (15.0 - 16.0)	x	x	x	x	x	x
NFGP-5 (5.5 -6.5)	x	x	x	x	x	x

Note: (1) The metals analysis included California Title 22 metals list.

## 2.2 WATER SAMPLING

In order to assess ground water conditions beneath the site, probe point NFGP-1 was pushed to the water table and a sample was collected.



## 3.0 FINDINGS

### 3.1 CONFIRMATION OF GROUND WATER FLOW DIRECTION

The 1995 ground water investigation indicated that the ground water flow direction in the vicinity of the northern property boundary is to the southwest. To confirm this 1995 finding, gradients and flow directions were determined for January and July 1997. The gradients and directions are shown in Figures 3 and 4. In both cases, ground water flow directions are to the southwest. This direction is consistent with flow direction trends for the Facility and as presented in past quarterly reports.

### 3.2 INTERVIEW WITH FACILITY PERSONNEL

During the investigation activities, a long time employee indicated that it was his recollection that the former oil storage area had been removed and the area cleaned up during the underground storage tank removal activities.

Facility records show that the tank removal activities were performed during the first six months of 1989. There were no Facility records on soil removal activity.

### 3.3 SOIL SAMPLING RESULTS

#### 3.3.1 FIELD OBSERVATIONS

No visual or olfactory indications of soil staining were observed in either the hand auger or hydraulic push samples.

Fill material was noted from the surface to depths of two to four feet.

#### 3.3.2 BETX ANALYTICAL

No benzene, ethylbenzene, toluene, xylene isomers or MTBE were detected in the eight soil samples. The results can be found in Appendix C.

#### 3.3.3 TPH AS GASOLINE

None of the eight soil samples detected total petroleum hydrocarbons as gasoline. The results can be found in Appendix C.

### 3.3.4 TPH AS DIESEL

Eight soil samples were analyzed by EPA Method 8015 (modified) for diesel extractables. No TPH as diesel was detected in any of samples. The results can be found in Appendix C.

### 3.3.5 OIL AND GREASE

Oil and grease were analyzed by Standard Method 5520C in eight soil samples. A summary of the results can be found in Table 1. In the shallow sample from NFGP-4, "oil and grease" was detected at 3,100 mg/kg, in NFGP-5 at 4,300 mg/kg, and in NFGP-1 at 40 mg/kg. Standard Method 5520F was performed on NFGP-4 and 5 to further define the detected substances. Using Standard Method 5520F, the detectable hydrocarbons in NFGP-4 and NFGP-5 were 1,300 mg/kg and 1,700 mg/kg, respectively.

The Standard Method determination of oil and grease does not measure the absolute quantity of a certain substance. A group of substances with similar physical characteristics are determined, based on the solubility in the laboratory extract. Such extracted material can include certain organic dyes, sulfur compounds and chlorophyll. As an example 3,100 mg/kg were detected with Standard Method 5520F. The laboratory extract was then "cleaned up" with a silica gel. This is Standard Method 5520F. The silica gel adsorbs the polar materials in the extract. The materials remaining after the cleanup are designated as hydrocarbons. In the case of NFGP-4, 1,300 mg/kg of hydrocarbons were detected.

### 3.3.6 EPA METHOD 8010 VOLATILE ORGANIC COMPOUNDS

Eight samples were analyzed by EPA Method 8010 for purgeable halocarbons. In NFGP-4 (11.5 to 12.0) chlorobenzene was detected at 0.08 mg/kg. The remaining seven samples had no detectable VOCs. The results can be found in Appendix C.

### 3.3.7 EPA METHOD 8270 SEMIVOLATILE ORGANIC COMPOUNDS

Seven samples were analyzed by EPA Method 8270 semi-volatile organic compounds. The results can be found in Appendix C. Phenol was detected in NFGP-4 (15.0 to 16.0) at 0.6 mg/kg, in NFGP-1 at 1.3 mg/kg, and in NFGP-2 at 0.4 mg/kg. Bis (2-ethylhexyl) phthalate was detected in NFGP-5 at 40 mg/kg and in NFGP-2 at 2 mg/kg.

### 3.3.8 METALS

Five samples were analyzed for metals using EPA Method 6010A and 7471A (mercury analysis). The results can be found in Appendix C. Table 1 provides a summary of the metals analytical results. Arsenic was detected in seven samples at concentrations ranging from 4 to 6 mg/kg. The detected arsenic concentrations are uniformly distributed both areally and vertically. The Industrial Preliminary Remediation Goal (USEPA, 1996) for arsenic is 2.4 mg/kg.

The U.S. Geological Survey report Element Concentrations in Soils, Conterminous United States contains results from the Bay Area, ranging from 6.5 to 26 mg/kg. The Site concentrations are lower than this ambient range.

### 3.4 GROUND WATER SAMPLE RESULTS

In the NFGP-1 water sample, benzene was detected at 160  $\mu\text{g/l}$ , ethylbenzene was detected at 2,900  $\mu\text{g/l}$ , toluene at 40  $\mu\text{g/l}$ , and the p,m-xylenes at 5,100  $\mu\text{g/l}$ .

#### 4.0 CONCLUSIONS

In the conclusions, for comparison purposes, Site detected concentrations are compared to Region 9, US Environmental Protection Agency Preliminary Remediation Goals. (USEPA,1996).

Facility information suggested that an area along the north fence of the property was used as a storage area for used petroleum products.

Facility personnel indicated that the area was cleaned up as part of the 1989 underground storage tank removal activities.

The soil investigation targeted the area of former storage.

There was no visual or olfactory evidence of petroleum staining to the soils.

Elevated levels of oil and grease were noted in two shallow samples from NFGP-4 and NFGP-5. No volatile organic compounds were detected in NFGP-4, NFGP-5 or NFGP-1. Isolated, very low concentrations of certain EPA 8270 compounds were detected. Given these observations, the detected oil and grease concentrations likely represent a very localized source of relatively immobile hydrocarbon material.

Soil samples analyzed for VOCs, SVOCs, metals, TPH and oil and grease indicate no widespread impacts to the soils.

Two isolated samples contained phenol concentrations of 0.6 and 1.3 mg/kg. The Preliminary Remediation Goal for industrial soil is 100,000 mg/kg.

Two isolated samples contained bis (2-ethylhexyl) phthalate concentrations of 2 and 40 mg/kg. The Preliminary Remediation Goal for industrial soil is 140 mg/kg.

Arsenic was found in all seven metals samples, ranging from 4 to 6 mg/kg. Given the uniform distribution of areal and vertical concentrations and the cited USGS report showing surficial soil arsenic levels in the Bay Area to range from 6.5 to 26 mg/kg, the detected arsenic surficial soils reflect background conditions.

Ground water beneath the site flows to the southwest. The flow direction is similar to a previous determination, presented in a 1995 ground water investigation (Capsule, 1995).

The shallow ground water is impacted with BETX compounds. The 1995 ground water investigation has indicated BETX-impacted ground water in this area.

No BETX detections were found in the overlying soil samples.

## 5.0 RECOMMENDATION

Given the soil sampling analytical results and the report findings, there is no information to suggest any significant soil impacts from organic compounds or metals in the investigated area of the Site. No additional work is recommended for the Site.

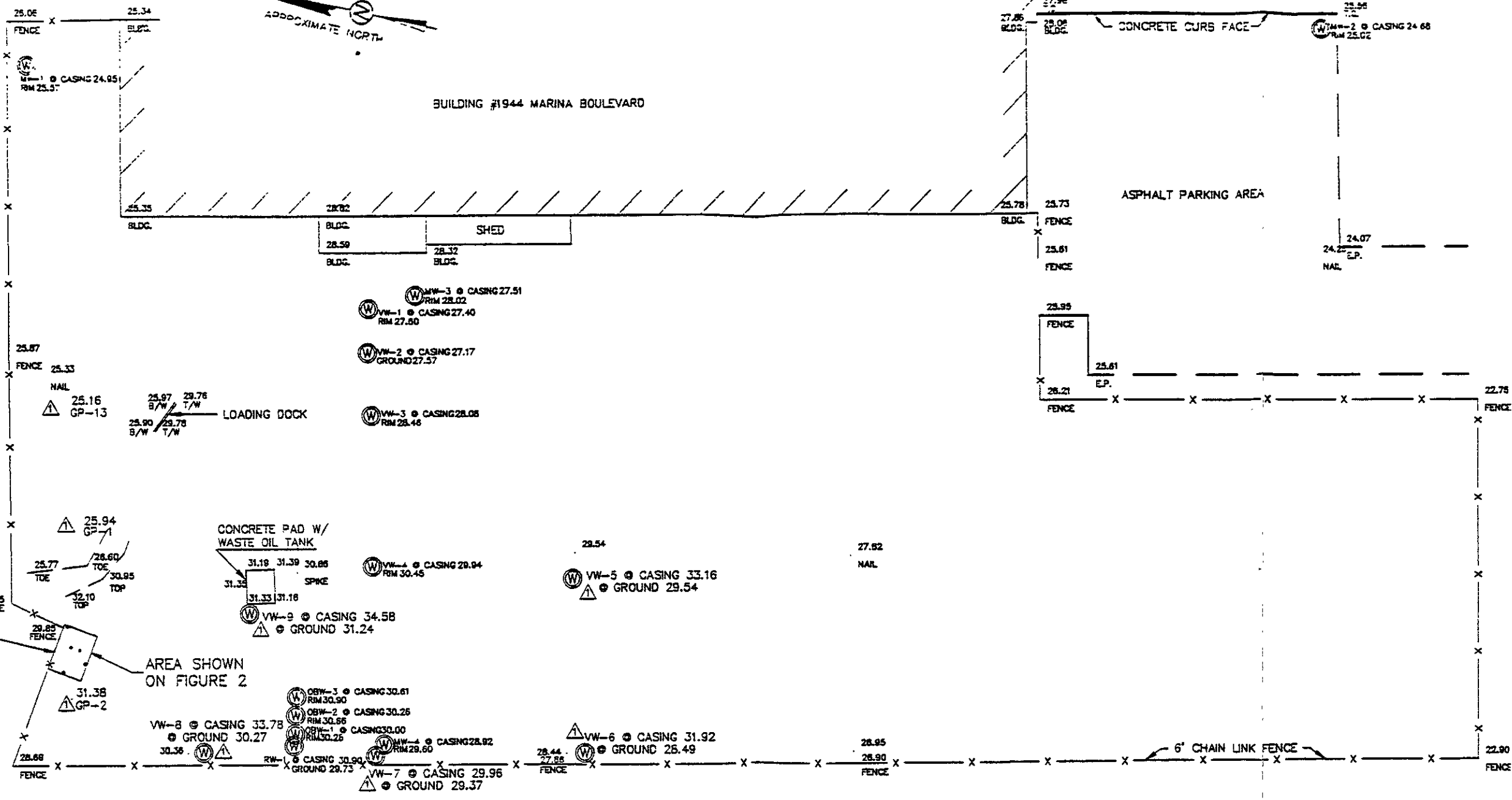
## 6.0 REFERENCES

Capsule Environmental Engineering, 1995, Quarterly Ground Water Monitoring Report, October 1995.

San Francisco Bay Region, California Regional Water Quality Control Board, 1990. Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, San Francisco, California.

U.S.Environmental Protection Agency, Region 9, Preliminary Remediation Goals, dated August 1, 1996. San Francisco, California

Shacklette, H. and J. Boerngen, 1984, Element Concentrations in Soils, Conterminous United States, U.S. Geological Survey Professional Paper 1270, Washington D.C.



NORTH FENCE INVESTIGATION AREA

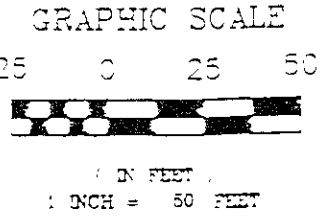
### WELL LOCATION SURVEY

NGEPSOLL-RAND EQUIPMENT CORPORATION  
 LOCATED AT 1944 MARINA BOULEVARD  
 CITY OF SAN LEANDRO COUNTY OF ALAMEDA, CALIFORNIA

JUNE 1994  
 SURVEYED JULY 1995  
 SCALE 1" = 50'  
**MORAN ENGINEERING**  
 CIVIL ENGINEERS AND SURVEYORS  
 1925 SHATTUCK AVENUE  
 BERKELEY, CALIFORNIA 94704  
 (510) 527-7744  
 MARINA.DWG JOB #94-3513

BASIS OF ELEVATIONS: CITY OF SAN LEANDRO BENCHMARK, CINCH NAIL ON TOP OF CURB AT STORM WATER INLET SOUTHEAST CORNER OF THE INTERSECTION OF MARINA BOULEVARD AND MERCED STREET, ELEVATION = 22.96'  
 ALL CASING ELEVATIONS WERE TAKEN AT THE SOUTHWEST EDGE OF PVC PIPING  
 ALL RIM ELEVATIONS WERE TAKEN AT THE SOUTHWEST EDGE OF STEEL RIM UNLESS OTHERWISE NOTED

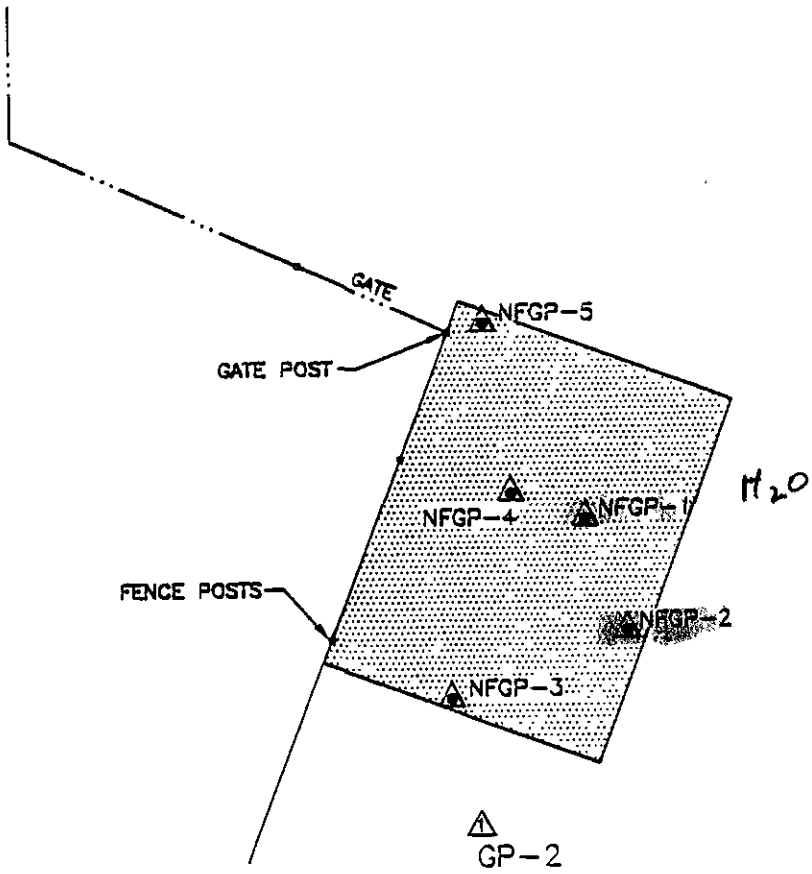
LEGEND	
T.C.	TOP OF CURB
	BUILDING LINE
T/W	TOP OF WALL
B/W	BASE OF WALL
-X-	FENCE LINE
	WELL
E.P.	EDGE OF PAVEMENT
TOP	TOP OF BANK
TOE	TOE OF SLOPE
-X-X-	NORTH FENCE BEPROPOSE LOCATION



**CAPSULE**  
 ENVIRONMENTAL ENGINEERING, INC.  
 1970 OAKCREST AVE., SUITE 215  
 ST. PAUL, MINNESOTA 55113  
 (612) 836-2644

TITLE: FACILITY MAP WITH NORTH FENCE INVESTIGATION AREA HIGHLIGHTED  
 NGEPSOLL-RAND COMPANY  
 SAN LEANDRO, CALIFORNIA  
 DRAWN BY: [ ] CHECKED BY: [ ] DATE: 10/22/97 PROJECT NO: 001-527 DRAWING NO: 000387

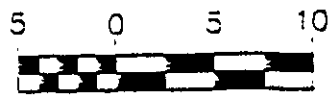
△  
GP-1



**LEGEND:**

- · · · — FENCE LINE
- △ NORTH FENCE GEOPROBE LOCATION
- △ GEOPROBE LOCATION 1995 GROUND WATER INVESTIGATION

**GRAPHIC SCALE**



( IN FEET )  
1 INCH = 10 FEET

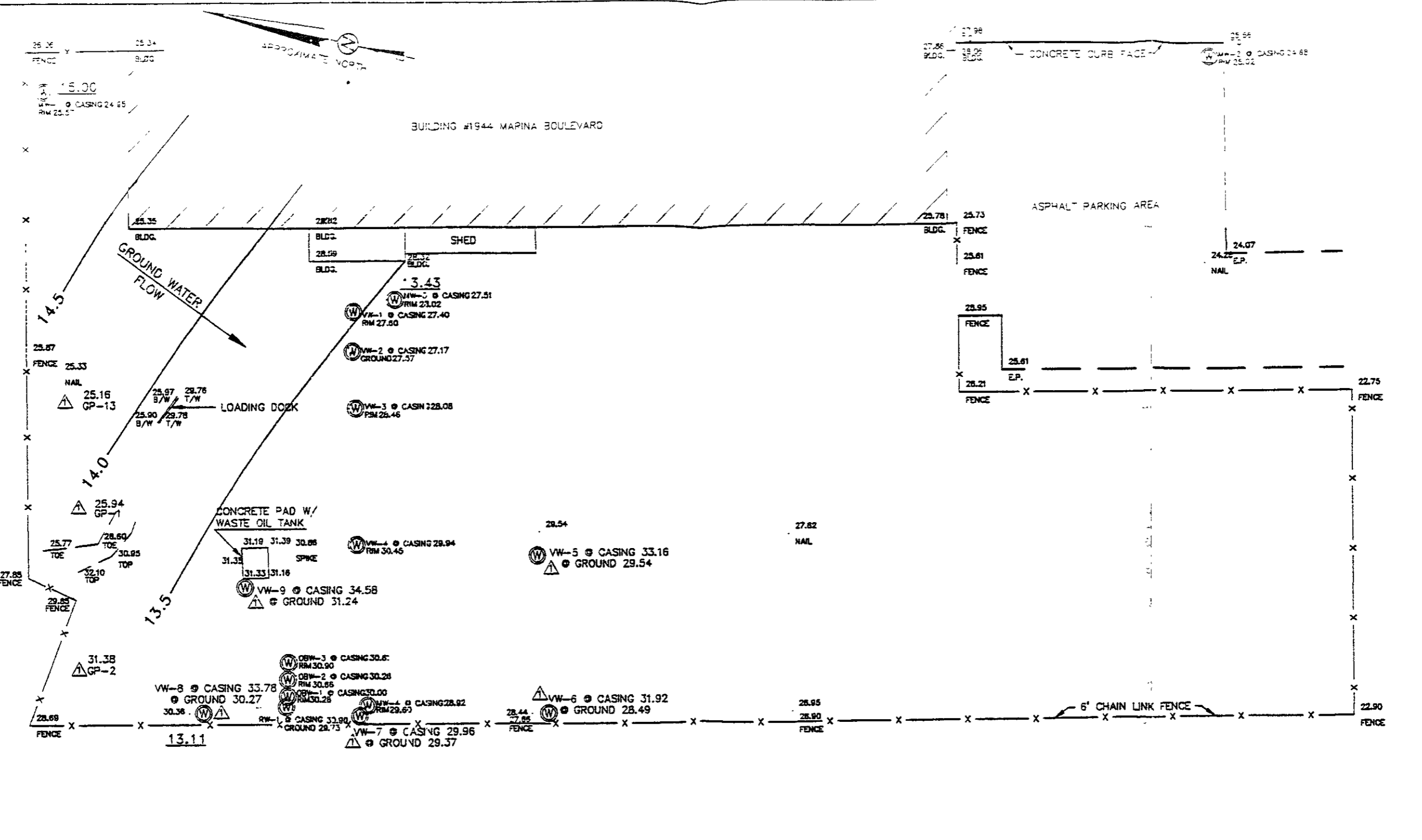


**CAPSULE**  
ENVIRONMENTAL ENGINEERING, INC.  
1970 OAKCREST AVE., SUITE 215  
ST. PAUL, MINNESOTA 55113  
(612) 838-2644

TITLE: NORTH FENCE INVESTIGATION SITE  
INGERSOLL-RAND COMPANY  
SAN LEANDRO, CALIFORNIA

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:	DRAWING NO.:	FIGURE:
TCC	JJM	10/22/97	001-327	000397-	2





LEGEND	
	T.C.   TOP OF CURB
	BUILDING LINE
	T./W.   TOP OF WALL
	B./W.   BASE OF WALL
	-x-   FENCE LINE
	W   WELL
	E.P.   EDGE OF PAVEMENT
	TOP   TOP OF BANK
	TOE   TOE OF SLOPE

**LEGEND:**

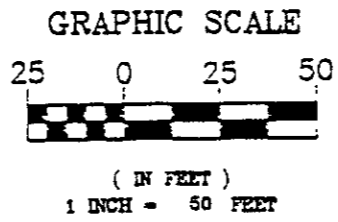
GROUND WATER CONTOUR (FEET ABOVE SEA LEVEL) ON JANUARY 20, 1997

GROUND WATER LEVEL (FEET ABOVE SEA LEVEL) ON JANUARY 20, 1997

**WELL LOCATION SURVEY**  
 INGERSOLL-RAND EQUIPMENT CORPORATION  
 LOCATED AT 1944 MARINA BOULEVARD  
 CITY OF SAN LEANDRO, COUNTY OF ALAMEDA, CALIFORNIA

JUNE 1994  
 SURVEYED JULY 7, 1995  
 SCALE: 1" = 50'

**MORAN ENGINEERING**  
 CIVIL ENGINEERS & LAND SURVEYORS  
 1930 SHATTUCK AVENUE  
 BERKELEY, CALIFORNIA 94704  
 (510) 527-7744



BASIS OF ELEVATIONS: CITY OF SAN LEANDRO BENCHMARK, CINCH NAIL ON TOP OF CURB AT STORM WATER INLET SOUTHEAST CORNER OF THE INTERSECTION OF MARINA BOULEVARD AND MERCED STREET, ELEVATION = 22.96'

ALL CASING ELEVATIONS WERE TAKEN AT THE SOUTHWEST EDGE OF PVC PIPING.

ALL RIM ELEVATIONS WERE TAKEN AT THE SOUTHWEST EDGE OF STEEL RIM UNLESS OTHERWISE NOTED.

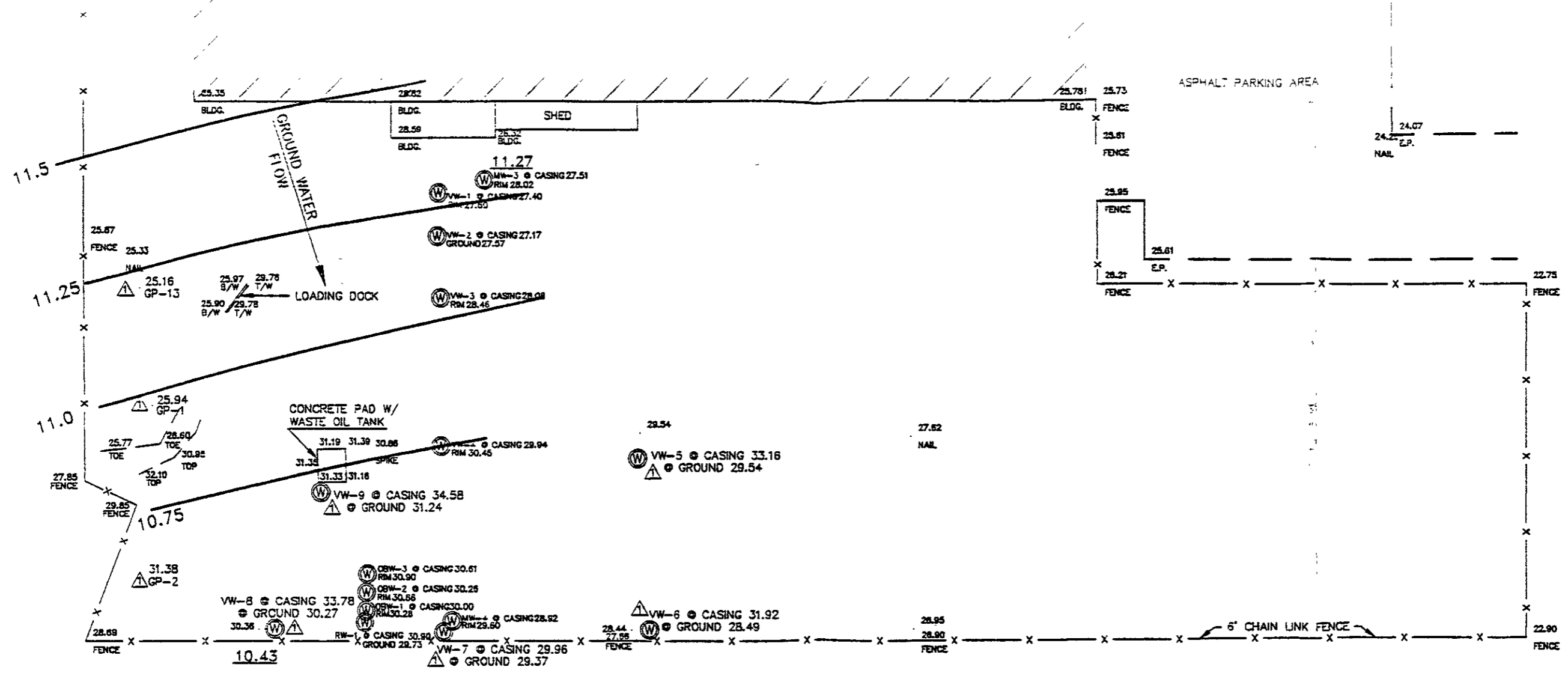
	<b>CAPSULE</b> ENVIRONMENTAL ENGINEERING, INC. 1970 OAKCREST AVE., SUITE 215 ST. PAUL, MINNESOTA 55113 (612) 636-2644
	TITLE: GROUND WATER CONTOUR MAP 1/20/97 INGERSOLL-RAND COMPANY SAN LEANDRO, CALIFORNIA
DRAWN BY: TCB	CHECKED BY: JUM
DATE: JUN 10 1997	PROJECT NO.: 001-027
DRAWING NO.: 000397-3	FIGURE: 3

25.06 FENCE x 25.34 BLDG  
 11.92  
 CASING 24.95  
 RW 25.57



17.56 BLDG. 25.05 BLDG. 25.56 BLDG.  
 CONCRETE CURB FACE  
 CASING 24.68  
 RW 25.02

BUILDING #1944 MARINA BOULEVARD



MARINA BOULEVARD

LEGEND	
T.C.:	TOP OF CURB
---	BUILDING LINE
T/W:	TOP OF WALL
B/W:	BASE OF WALL
-x-	FENCE LINE
⊙	WELL
E.P.:	EDGE OF PAVEMENT
TOP:	TOP OF BANK
TOE:	TOE OF SLOPE

**LEGEND:**  
 ——— GROUND WATER CONTOUR (FEET ABOVE SEA LEVEL) ON JULY 18, 1997  
 13.11 GROUND WATER LEVEL (FEET ABOVE SEA LEVEL) ON JULY 18, 1997

### WELL LOCATION SURVEY

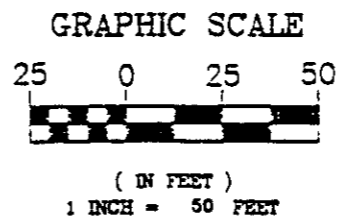
INGERSOLL-RAND EQUIPMENT CORPORATION  
 LOCATED AT 1944 MARINA BOULEVARD  
 CITY OF SAN LEANDRO, COUNTY OF ALAMEDA, CALIFORNIA

JUNE 1994  
 SURVEYED JULY 7, 1995

SCALE: 1" = 50'

#### MORAN ENGINEERING

CIVIL ENGINEERS & LAND SURVEYORS  
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 (510) 527-7744  
 MARINA.DWG JOB #94-3513



BASIS OF ELEVATIONS: CITY OF SAN LEANDRO BENCHMARK, CINCH NAIL ON TOP OF CURB AT STORM WATER INLET SOUTHEAST CORNER OF THE INTERSECTION OF MARINA BOULEVARD AND MERCED STREET, ELEVATION = 22.96'

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 ALL RIM ELEVATIONS WERE TAKEN AT THE SOUTHWEST EDGE OF STEEL RIM UNLESS OTHERWISE NOTED.

**CAPSULE**  
 ENVIRONMENTAL ENGINEERING, INC.  
 1970 OAKCREST AVE., SUITE 215  
 ST. PAUL, MINNESOTA 55113  
 (612) 636-2844

**TITLE:** GROUND WATER CONTOUR MAP  
 7/18/97  
 INGERSOLL-RAND COMPANY  
 SAN LEANDRO, CALIFORNIA

**DRAWN BY:** JUM **CHECKED BY:** JUM **DATE:** 10/22/97 **PROJECT NO.:** 001-327 **DRAWING NO.:** 000387-4 **SHEET:** 4

Table 1  
 North Fence Investigation Soil Sample Results  
 Ingersoll-Rand Equipment Sales  
 San Leandro, California

Background: This spreadsheet summarizes the metals and oil and grease analyses performed on the north fence area soil samples.

Sample ID	Date Sampled	Date Analyzed	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Oil and Grease
			6010A	6010A	6010A	6010A	6010A	6010A	6010A	6010A	6010A	6010A	6010A	7471A	6010A	6010A	6010A	6010A	6010A	6010A
NFGP-1 5.0'	7/7/97	7/10/97	<1	4	92	0.2	<0.4	27	8	12	4	<0.1	<1	34	<1	<0.5	2	26	34	40
NFGP-2 7.0'	7/7/97	7/10/97	<1	4	79	0.2	<0.4	26	8	13	4	<0.1	<1	32	<1	<0.5	1	28	30	<30
NFGP-2 10.5'-11.5'	7/7/97	7/11/97																		<30
NFGP-3 7.0'	7/7/97	7/10/97	<1	4	71	0.2	<0.4	23	8	8	3	<0.1	<1	33	<1	<0.5	2	21	26	<30
NFGP-4 0'-4.0'	7/8/97	7/10/97	3	5	140	0.3	2.1	37	12	630	130	0.1	1	29	<1	<0.5	4	36	160	3100
NFGP-4 11.5'-12.0'	7/8/97	7/10/97	2	6	160	0.4	<0.4	42	12	22	6	<0.1	<1	54	<1	<0.5	3	37	51	43
NFGP-4 15.0'-16.0'	7/8/97	7/10/97	1	4	75	0.2	<0.4	23	8	10	4	<0.1	<1	27	<1	<0.5	2	23	29	36
NFGP-5 5.5'-6.5'	7/8/97	7/10/97	<1	4	110	0.3	<0.4	30	9	14	8	0.1	<1	36	<1	<0.5	2	28	38	4300
PRG Residential Soil (mg/kg)	NA	NA	31	0.38	5,300	0.14	38*	210**	4,600	2,800	400***	6.5****	380	1500*****	380	380	6.1*****	540	23,000	
PRG Industrial Soil (mg/kg)	NA	NA	680	2.4	100,000	1.1	850*	450**	97,000	63,000	1000***	68****	8,500	34000*****	8,500	8,500	140*****	12,000	100,000	

\* Cadmium CAL-modified PRG (1994) for Residential is 9.0 mg/kg

\*\* Chromium numbers in table are for "Total Chromium"  
 Chromium VI numbers: Residential = 30 mg/kg Industrial = 64 mg/kg  
 Chromium VI CAL-modified PRG (1994) for Residential is .20 mg/kg

\*\*\* Lead CAL-modified PRG (1994) for Residential is 130 mg/kg

\*\*\*\* Mercury Chloride numbers: Residential = 23 mg/kg Industrial = 510 mg/kg

\*\*\*\*\* Nickel CAL-modified PRG (1994) for Residential is 150 mg/kg

\*\*\*\*\* Thallium has several PRGs, depending on the anion. For Table 1, the lowest PRG was selected.

Preliminary Remediation Goals (PRG), from Region IX, USEPA, August 1, 1996



GREGG DRILLING & TESTING, INC.

SPECIALIZING IN CONTAMINANT SAMPLING AND MONITORING WELL INSTALLATIONS

Transmittal Form

FAX # (612) 636-3106

# of pages including cover page: 4

DATE: 7.3-97

TO: John Mc Dermott

FROM: Christopher Turner

COMMENTS:

Multiple horizontal lines for handwritten comments.

Mail

Fax

Federal Express

SOUTHERN CALIFORNIA: 2475 CERRITOS AVENUE • SIGNAL HILL, CA 90806 • (310) 427-6899 • FAX (310) 427-3314  
NORTHERN CALIFORNIA: 950 HOWE ROAD • MARTINEZ, CA 94553 • (510) 313-5800 • FAX (510) 313-0302



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

## WATER RESOURCES SECTION

951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651  
PHONE (510) 670-5575 ANDREAS GODFREY FAX (510) 670-5262  
(510) 670-5248 ALVIN KAN

Name Christopher Pineda

Date JULY 3, 1997

Company Gragg Drilling

Address 950 HOWE RD

City/State/Zip MARTINEZ CA 94552

Dear CHRISTOPHER

Enclosed are drilling permit number(s) 97W2011 for

- a geotechnical investigation
- a water supply well construction project
- a contamination investigation
- a cathodic protection well project
- a monitoring well construction project
- the destruction of well(s)

at 1944 MAGNIA BLVD  
SAN LEANDRO CA

for your client CAPRINE ENVIRONMENTAL

Please note that permit condition:

- A-1 requests that an application be submitted five days prior to your proposed start of work.
- A-2 requires that a well (construction) (~~destruction~~) report be submitted after completion of the work.

The report should include:

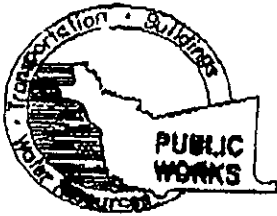
- permit number
- drilling and completion logs
- location sketch
- date of destruction
- a description of methods and materials used to destroy the well
- a Water Well Drillers Report (for drillers)

Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact Alvin Kan at (510) 670-5248 or myself at (510) 670-5575.

Sincerely,

Andreas Godfrey  
Engineer-Scientist



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

**WATER RESOURCES SECTION**  
931 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651  
PHONE (510) 670-3575 ANDREAS GODFREY FAX (510) 670-5262  
(510) 670-5248 ALVIN KAN

Name Christopher Prince

Date JULY 3, 1997

Company Gregg Drilling

Address 980 HOWE RD

City/State/Zip MARTINEZ CA 94552

Dear CHRISTOPHER

Enclosed are drilling permit number(s) 97WPE011 for

- a geotechnical investigation
- a water supply well construction project
- a contamination investigation
- a cathodic protection well project
- a monitoring well construction project
- the destruction of well(s)

at 1944 MARINA BLVD  
SAN LEANORO CA

for your client CAPRIS ENVIRONMENTAL

Please note that permit condition:

- A-1 requests that an application be submitted five days prior to your proposed start of work.
- A-2 requires that a well (construction) (destruction) report be submitted after completion of the work.

The report should include:

- permit number
- drilling and completion logs
- location sketch
- date of destruction
- a description of methods and materials used to destroy the well
- a Water Well Drillers Report (for drillers)

Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact Alvin Kan at (510) 670-5248 or myself at (510) 670-3575.

Sincerely,

Andreas Godfrey  
Engineer-Scientist



# ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2600

FAX (510) 462-2914

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

NAME OF PROJECT Tapscott Road  
4 Morris Blvd  
Concord, CA

PERMIT NUMBER 97 WP 011  
LOCATION NUMBER \_\_\_\_\_

Capule Environmental  
1970 Cabot Ave Suite 215 Voice 612-636-2644  
St Paul MN Zip 55113

### PERMIT CONDITIONS

Circled Permit Requirements Apply

WANT Geog Drilling  
850 Howe Road Fax 510-313-9302  
Modesto Voice 510-313-5800  
Zip 94553

#### A. GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

TYPE OF PROJECT  
 Construction  
 Trench Protection  
 Supply  
 Monitoring  
 Vapor 22' & 8 Borings 22'  
 Geotechnical Investigation  
 General  
 Contamination  
 Well Destruction

#### B. WATER WELLS, INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

USED WATER SUPPLY WELL USE  
 Industrial  
 Irrigation  
 Other

#### C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremie cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:  
 Rotary  
 Air Rotary  
 Auger   
 Other Geogprobe

#### D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

#### E. WELL DESTRUCTION. See attached.

WELLER'S LICENSE NO. 657 485165

PROJECTS  
 Hole Diameter 8" in. Maximum Depth 22' ft.  
 Ring Diameter 2" in. Number 2  
 Surface Seal Depth 12' ft.

ADDITIONAL PROJECTS  
 Number of Borings 8 Maximum Depth 22' ft.  
 Hole Diameter 1 1/2" in.

PROPOSED STARTING DATE 7/17  
 PROPOSED COMPLETION DATE 7/18

Approved [Signature] Date 7/3/97

I agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [Signature] Date 7/3/97

91992

07/03/97 09:40 GREGG DRILLING INSTITUTE

## Photograph Descriptions

Location: IRES, San Leandro, CA

When: July 1997

Taken by: John McDermott

Activities: North fence investigation

Remarks: Additional descriptions can be found in the field log book for IRES, San Leandro.

- 1 Looking north at northern edge of IRES facility. Subtronics technician doing utility location work around investigation area. Gate post is in right center. Area of concern is just to left of the gate post.
- 2 Looking north at northern edge of IRES facility. Subtronics technician doing utility location work to the east of the investigation area.
- 3 Subtronics technician doing utility location around former gasoline underground storage tank site. IRES facility building is on the right.
- 4 North fence investigation area. Standing on higher area, looking into the lower area by fence. (See photograph 5 for another view.) Hand auger in center of photograph. Performing preliminary boring before hydraulic push samples.
- 5 North fence investigation area. Foot of hydraulic push sampling rig on right of photograph. Note slope to ground. Rig set up on NFGP-1.
- 6 Installing a hydraulic push boring at NFGP-1.
- 7 Push sample from NFGP-1.
- 8 Gregg Drilling operator retrieving sampler at NFGP-1.
- 9 Gregg Drilling track drill, Marl M5T Rhino, used to install NFGP-4 and 5 on July 8 due to rough terrain.
- 10 Rig in position to install NFGP-5. Note steep drop-off toward fence.
- 11 Rig in position to install NFGP-4. Ground is very hummocky between rig and fence. Note earthen fill all the way to gate post.
- 12 Looking south into IRES storage yard from "jog" in fence at railroad access gate in fence. Rig being set up on NFGP-4.
- 13 Looking east toward IRES facility building. In the center to the right if fence is the investigated area. Stakes and yellow flagging (poorly visible) marks the probe (soil boring) locations.
- 14 Looking west along north fence line. Yellow flagging (poorly visible) marks the probe (soil boring) locations. Orange field book marks area near the center of the investigation area.

FILE: H:\SANLEAND\NFPHOTOS.DOC





1. Looking North at northern edge of IRES facility. Subtronics tech doing utility location work around investigation area. Gate post is in right center. Area of concern just to left of the gate post.



2. Looking North at northern edge of IRES facility. Subtronics tech. doing utility location work to the east of the investigation area.

3. Subtronics tech. doing utility location around former gasoline underground storage tank site. IRES facility building is on the right

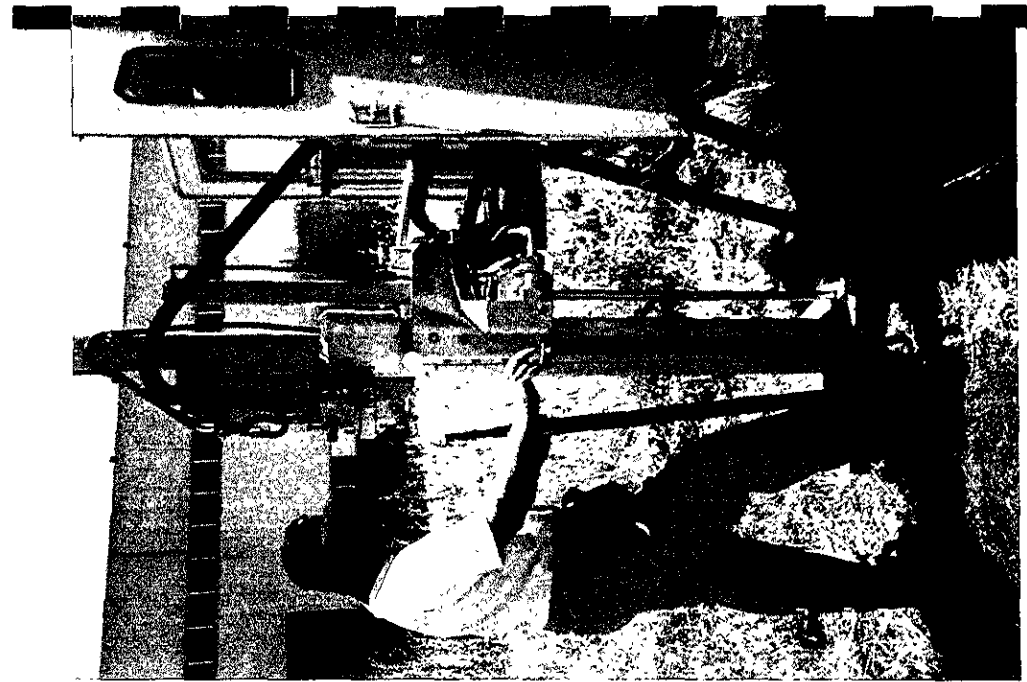


4. North fence investigation area Standing on higher area, looking into the lower area by fence. (See photo #5 for another view.) Hand auger in center of photo. Performing preliminary boring before hydraulic push samples.



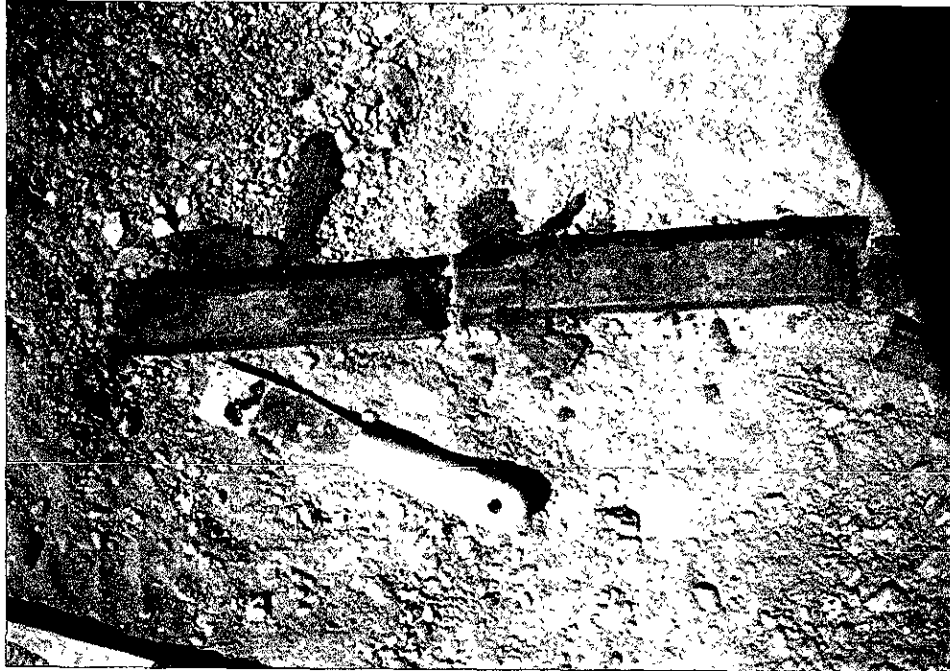


5. North fence investigation area. Foot of hydraulic push sampling rig on right of photo. Note slope to ground. Rig set up on NFGP-1.



6. Installing a hydraulic push boring at NFGP-1.

7. Push sample from NFGP-1.

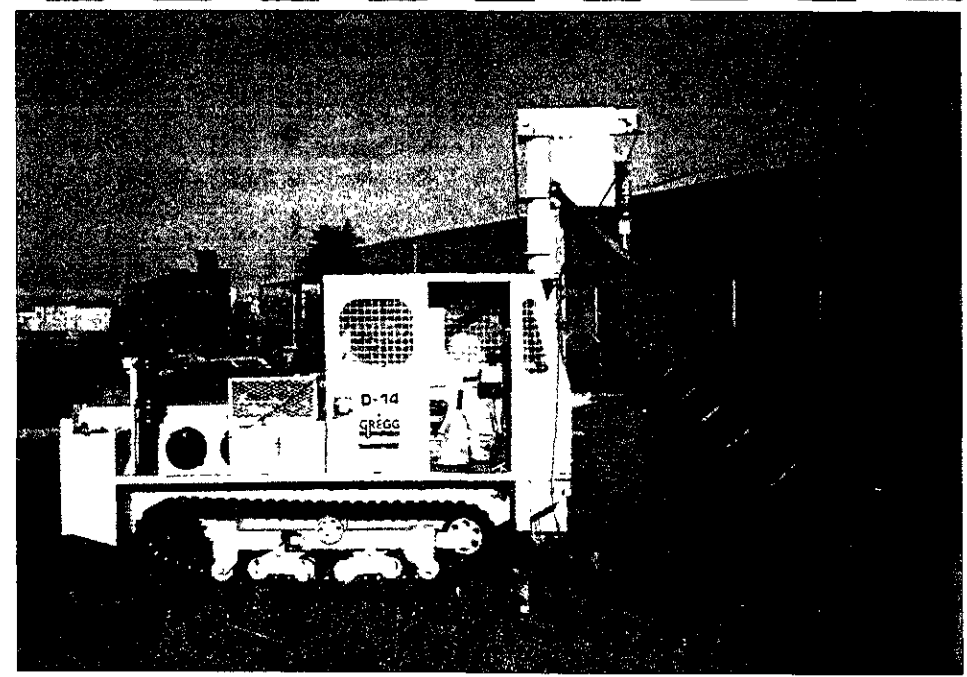


8. Gregg Drilling operator retrieving sampler at NFGP-1.



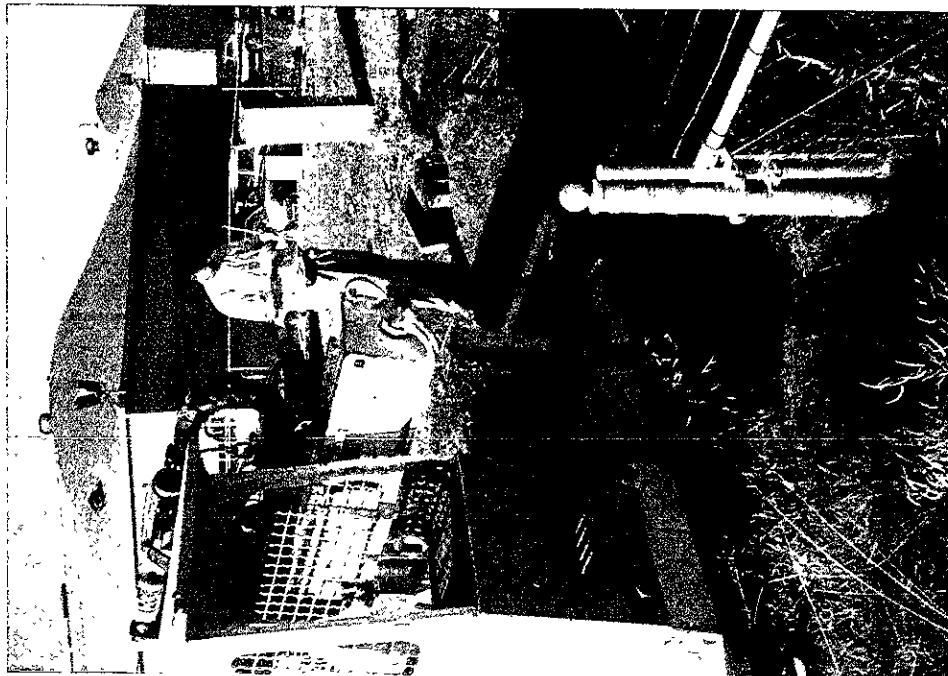


9. Gregg Drilling track drill, Marl M5T Rhino, used to install NFGP-4 and 5 on July 8 due to rough terrain.

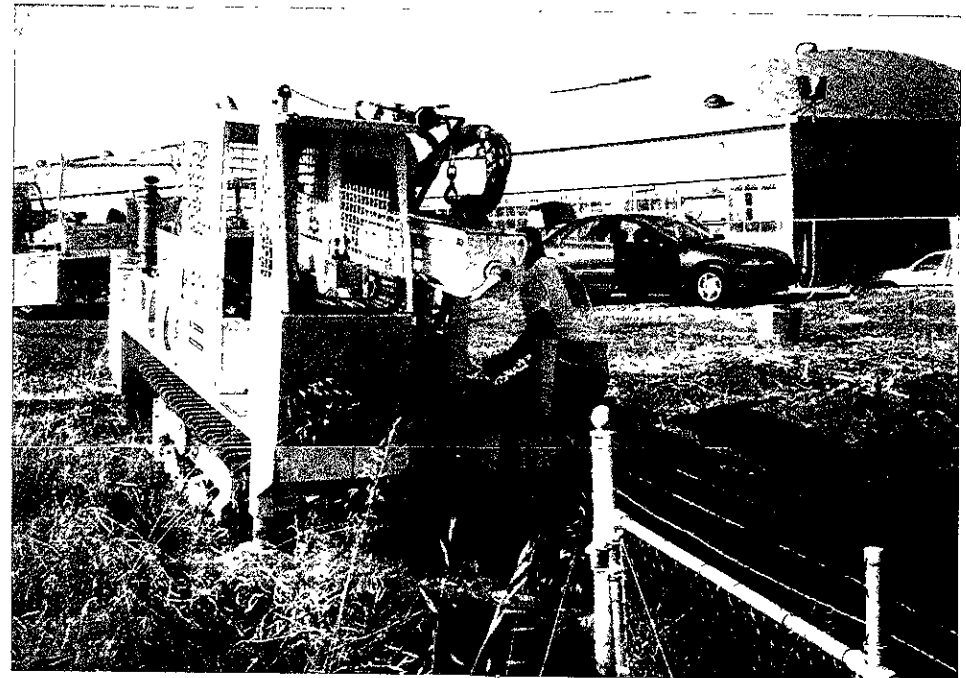


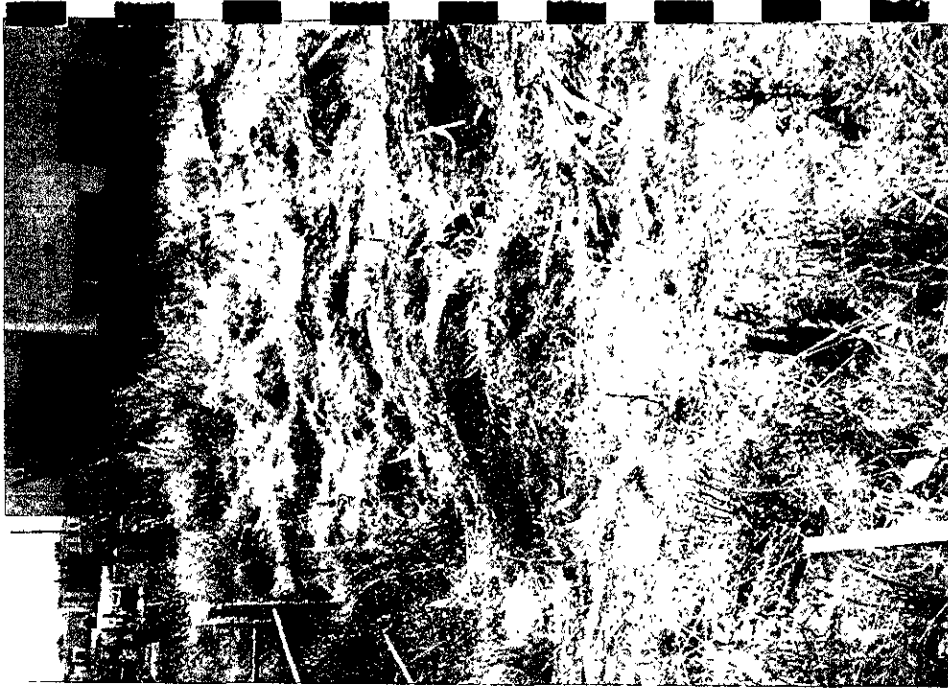
10. Rig in position to install NFGP-5. Note steep drop-off toward fence

11. Rig in position to install NFGP-4. Ground is very hummocky between rig and fence. Note earthen fill all the way to gate post.



12. Looking south into IRES storage yard from "jog" in fence at railroad access gate in fence. Rig being set up on NFGP-4.





13. Looking east toward IRES facility building. In the center to the right is fence in the investigated area. Stakes and yellow flagging (poorly visible) marks the probe (soil boring) locations.



14. Looking west along north fence line. Yellow flagging (poorly visible) marks the probe (soil boring) locations. Orange field book marks area near the center of the investigation area.

San Francisco Regional Office

1252 Quarry Lane  
P O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

July 25, 1997

Mr. John McDermott  
CAPSULE ENVIRONMENTAL  
ENGINEERING, INC.  
1970 Oakcrest Avenue  
St. Paul, MN 55113

FINAL REPORT  
Client Ref.: 001-327-700  
Clayton Project No.: 97070.70

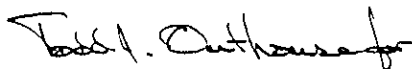
Dear Mr. McDermott:

Attached is our analytical laboratory report for the samples received on July 7, 1997. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after August 7, 1997, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,



Harriotte A. Hurley, CIH  
Director, Laboratory Services  
San Francisco Regional Office

HAH/las

Attachments

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.  
 Client Reference: 001-327-700  
 Clayton Project No. 97070.70

Sample Identification:	NFGP-1 (5.0')	Date Sampled:	07/07/97
Lab Number:	9707070-01A	Date Received:	07/07/97
Sample Matrix/Media:	SOIL	Date Extracted:	07/07/97
Extraction Method:	EPA 3550	Date Analyzed:	07/16/97
Method Reference:	EPA 8015 (Modified)	Analyst:	FAK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
Total-Extractables	--	57	1
TPH-Diesel	--	ND	30
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	78	50 - 150

ND: Not detected at or above limit of detection  
 ---: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.  
 Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.  
 TPH-D = Extractable hydrocarbons, that appear to match the typical diesel pattern from C10 to C24 quantitated as diesel.  
 Results are reported on a wet weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-2 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-02A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Extracted: 07/07/97
Extraction Method: EPA 3550	Date Analyzed: 07/16/97
Method Reference: EPA 8015 (Modified)	Analyst: FAK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
Total-Extractables	--	7	1
TPH-Diesel	--	ND	3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
p-Terphenyl	92-94-4	106	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.  
Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.  
TPH-D = Extractable hydrocarbons, that appear to match the typical diesel pattern from C10 to C24  
quantitated as diesel.  
Results are reported on a wet weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-3 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-03A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Extracted: 07/07/97
Extraction Method: EPA 3550	Date Analyzed: 07/18/97
Method Reference: EPA 8015 (Modified)	Analyst: FAK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
Total-Extractables	--	5	1
TPH-Diesel	--	ND	2
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	82	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.  
Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.  
TPH-D = Extractable hydrocarbons, that appear to match the typical diesel pattern from C10 to C24 quantitated as diesel.  
Results are reported on a wet weight basis, as received.



Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification:	NFGP-2 (10.5-11.5')	Date Sampled:	07/07/97
Lab Number:	9707070-04A	Date Received:	07/07/97
Sample Matrix/Media:	SOIL	Date Extracted:	07/07/97
Extraction Method:	EPA 3550	Date Analyzed:	07/18/97
Method Reference:	EPA 8015 (Modified)	Analyst:	FAK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
Total-Extractables	--	7	1
TPH-Diesel	--	ND	3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	80	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.  
Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.  
TPH-D = Extractable hydrocarbons, that appear to match the typical diesel pattern from C10 to C24 quantitated as diesel.  
Results are reported on a wet weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9707070-05A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	07/07/97
Extraction Method:	EPA 3550	Date Analyzed:	07/16/97
Method Reference:	EPA 8015 (Modified)	Analyst:	FAK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
Total-Extractables	--	ND	1
TPH-Diesel	--	ND	1
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	96	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.  
TPH-D = Extractable hydrocarbons, that appear to match the typical diesel pattern from C10 to C24  
quantitated as diesel.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-1 (5.0')	Date Sampled: 07/07/97
Lab Number: 9707070-01A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Prepared: 07/07/97
Preparation Method: EPA 5030	Date Analyzed: 07/09/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.07
Bromoform	75-25-2	ND	0.07
Bromomethane	74-83-9	ND	0.07
Carbon tetrachloride	56-23-5	ND	0.06
Chlorobenzene	108-90-7	ND	0.07
Chloroethane	75-00-3	ND	0.05
2-Chloroethylvinyl ether	110-75-8	ND	0.1
Chloroform	67-66-3	ND	0.05
Chloromethane	74-87-3	ND	0.06
Dibromochloromethane	124-48-1	ND	0.06
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
1,1-Dichloroethane	75-34-3	ND	0.04
1,2-Dichloroethane	107-06-2	ND	0.03
1,1-Dichloroethene	75-35-4	ND	0.03
cis-1,2-Dichloroethene	156-59-2	ND	0.04
trans-1,2-Dichloroethene	156-60-5	ND	0.04
1,2-Dichloropropane	78-87-5	ND	0.05
cis-1,3-Dichloropropene	10061-01-5	ND	0.05
trans-1,3-Dichloropropene	10061-02-6	ND	0.06
Freon 113	76-13-1	ND	0.06
Methylene chloride	75-09-2	ND	0.2
1,1,2,2-Tetrachloroethane	79-34-3	ND	0.05
Tetrachloroethene	127-18-4	ND	0.05
1,1,1-Trichloroethane	71-55-6	ND	0.05
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trichloroethene	79-01-6	ND	0.03
Trichlorofluoromethane	75-69-4	ND	0.04

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-1 (5.0')	Date Sampled: 07/07/97
Lab Number: 9707070-01A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Prepared: 07/07/97
Preparation Method: EPA 5030	Date Analyzed: 07/09/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons (Continued)</u>			
Vinyl chloride	75-01-4	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1-Chloro-2-methylpropene	513-37-1	91	70 - 130

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-2 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-02A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Prepared: 07/07/97
Preparation Method: EPA 5030	Date Analyzed: 07/09/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.07
Bromoform	75-25-2	ND	0.07
Bromomethane	74-83-9	ND	0.07
Carbon tetrachloride	56-23-5	ND	0.06
Chlorobenzene	108-90-7	ND	0.07
Chloroethane	75-00-3	ND	0.05
2-Chloroethylvinyl ether	110-75-8	ND	0.1
Chloroform	67-66-3	ND	0.05
Chloromethane	74-87-3	ND	0.06
Dibromochloromethane	124-48-1	ND	0.06
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
1,1-Dichloroethane	75-34-3	ND	0.04
1,2-Dichloroethane	107-06-2	ND	0.03
1,1-Dichloroethene	75-35-4	ND	0.03
cis-1,2-Dichloroethene	156-59-2	ND	0.04
trans-1,2-Dichloroethene	156-60-5	ND	0.04
1,2-Dichloropropane	78-87-5	ND	0.05
cis-1,3-Dichloropropene	10061-01-5	ND	0.05
trans-1,3-Dichloropropene	10061-02-6	ND	0.06
Freon 113	76-13-1	ND	0.06
Methylene chloride	75-09-2	ND	0.2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Tetrachloroethene	127-18-4	ND	0.05
1,1,1-Trichloroethane	71-55-6	ND	0.05
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trichloroethene	79-01-6	ND	0.03
Trichlorofluoromethane	75-69-4	ND	0.04

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.  
 Client Reference: 001-327-700  
 Clayton Project No. 97070.70

Sample Identification: NFGP-2 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-02A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Prepared: 07/07/97
Preparation Method: EPA 5030	Date Analyzed: 07/09/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons (Continued)</u>			
Vinyl chloride	75-01-4	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1-Chloro-2-methylpropene	513-37-1	94	70 - 130

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-3 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-03A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Prepared: 07/07/97
Preparation Method: EPA 5030	Date Analyzed: 07/09/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.07
Bromoform	75-25-2	ND	0.07
Bromomethane	74-83-9	ND	0.07
Carbon tetrachloride	56-23-5	ND	0.06
Chlorobenzene	108-90-7	ND	0.07
Chloroethane	75-00-3	ND	0.05
2-Chloroethylvinyl ether	110-75-8	ND	0.1
Chloroform	67-66-3	ND	0.05
Chloromethane	74-87-3	ND	0.06
Dibromochloromethane	124-48-1	ND	0.06
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
1,1-Dichloroethane	75-34-3	ND	0.04
1,2-Dichloroethane	107-06-2	ND	0.03
1,1-Dichloroethene	75-35-4	ND	0.03
cis-1,2-Dichloroethene	156-59-2	ND	0.04
trans-1,2-Dichloroethene	156-60-5	ND	0.04
1,2-Dichloropropane	78-87-5	ND	0.05
cis-1,3-Dichloropropene	10061-01-5	ND	0.05
trans-1,3-Dichloropropene	10061-02-6	ND	0.06
Freon 113	76-13-1	ND	0.06
Methylene chloride	75-09-2	ND	0.2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Tetrachloroethene	127-18-4	ND	0.05
1,1,1-Trichloroethane	71-55-6	ND	0.05
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trichloroethene	79-01-6	ND	0.03
Trichlorofluoromethane	75-69-4	ND	0.04

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.  
 Client Reference: 001-327-700  
 Clayton Project No. 97070.70

Sample Identification: NFGP-3 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-03A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Prepared: 07/07/97
Preparation Method: EPA 5030	Date Analyzed: 07/09/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons (Continued)</u>			
Vinyl chloride	75-01-4	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1-Chloro-2-methylpropene	513-37-1	92	70 - 130

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Results are reported on a wet-weight basis, as received.



Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-2 (10.5-11.5')	Date Sampled: 07/07/97
Lab Number: 9707070-04A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Prepared: 07/07/97
Preparation Method: EPA 5030	Date Analyzed: 07/09/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.07
Bromoform	75-25-2	ND	0.07
Bromomethane	74-83-9	ND	0.07
Carbon tetrachloride	56-23-5	ND	0.06
Chlorobenzene	108-90-7	ND	0.07
Chloroethane	75-00-3	ND	0.05
2-Chloroethylvinyl ether	110-75-8	ND	0.1
Chloroform	67-66-3	ND	0.05
Chloromethane	74-87-3	ND	0.06
Dibromochloromethane	124-48-1	ND	0.06
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
1,1-Dichloroethane	75-34-3	ND	0.04
1,2-Dichloroethane	107-06-2	ND	0.03
1,1-Dichloroethene	75-35-4	ND	0.03
cis-1,2-Dichloroethene	156-59-2	ND	0.04
trans-1,2-Dichloroethene	156-60-5	ND	0.04
1,2-Dichloropropane	78-87-5	ND	0.05
cis-1,3-Dichloropropene	10061-01-5	ND	0.05
trans-1,3-Dichloropropene	10061-02-6	ND	0.06
Freon 113	76-13-1	ND	0.06
Methylene chloride	75-09-2	ND	0.2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Tetrachloroethene	127-18-4	ND	0.05
1,1,1-Trichloroethane	71-55-6	ND	0.05
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trichloroethene	79-01-6	ND	0.03
Trichlorofluoromethane	75-69-4	ND	0.04

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-2 (10.5-11.5')	Date Sampled: 07/07/97
Lab Number: 9707070-04A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Prepared: 07/07/97
Preparation Method: EPA 5030	Date Analyzed: 07/09/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons (Continued)</u>			
Vinyl chloride	75-01-4	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1-Chloro-2-methylpropene	513-37-1	89	70 - 130

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9707070-05A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	07/07/97
Preparation Method:	EPA 5030	Date Analyzed:	07/09/97
Method Reference:	EPA 8010	Analyst:	GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.07
Bromoform	75-25-2	ND	0.07
Bromomethane	74-83-9	ND	0.07
Carbon tetrachloride	56-23-5	ND	0.06
Chlorobenzene	108-90-7	ND	0.07
Chloroethane	75-00-3	ND	0.05
2-Chloroethylvinyl ether	110-75-8	ND	0.1
Chloroform	67-66-3	ND	0.05
Chloromethane	74-87-3	ND	0.06
Dibromochloromethane	124-48-1	ND	0.06
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
1,1-Dichloroethane	75-34-3	ND	0.04
1,2-Dichloroethane	107-06-2	ND	0.03
1,1-Dichloroethene	75-35-4	ND	0.03
cis-1,2-Dichloroethene	156-59-2	ND	0.04
trans-1,2-Dichloroethene	156-60-5	ND	0.04
1,2-Dichloropropane	78-87-5	ND	0.05
cis-1,3-Dichloropropene	10061-01-5	ND	0.05
trans-1,3-Dichloropropene	10061-02-6	ND	0.06
Freon 113	76-13-1	ND	0.06
Methylene chloride	75-09-2	ND	0.2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Tetrachloroethene	127-18-4	ND	0.05
1,1,1-Trichloroethane	71-55-5	ND	0.05
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trichloroethene	79-01-6	ND	0.03
Trichlorofluoromethane	75-69-4	ND	0.04

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9707070-05A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	07/07/97
Preparation Method:	EPA 5030	Date Analyzed:	07/09/97
Method Reference:	EPA 8010	Analyst:	GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons (Continued)</u>			
Vinyl chloride	75-01-4	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1-Chloro-2-methylpropene	513-37-1	89	70 - 130

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-1 (5.0')	Date Sampled: 07/07/97
Lab Number: 9707070-01A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Acid Extractables</u>			
4-Chloro-3-methylphenol	59-50-7	ND	0.2
2-Chlorophenol	95-57-8	ND	0.2
2,4-Dichlorophenol	120-83-2	ND	0.2
2,4-Dimethylphenol	105-67-9	ND	0.2
2,4-Dinitrophenol	51-28-5	ND	1
2-Methyl-4,6-dinitrophenol	534-52-1	ND	1
2-Methylphenol	95-48-7	ND	0.2
4-Methylphenol	106-44-5	ND	0.2
2-Nitrophenol	88-75-5	ND	0.2
4-Nitrophenol	100-02-7	ND	1
Pentachlorophenol	87-86-5	ND	1
Phenol	108-95-2	1.3	0.2
2,4,5-Trichlorophenol	95-95-4	ND	0.2
2,4,6-Trichlorophenol	88-06-2	ND	0.2

Base/Neutral Extractables

Acenaphthene	83-32-9	ND	0.2
Acenaphthylene	208-96-8	ND	0.2
Anthracene	120-12-7	ND	0.2
Benzidine	92-87-5	ND	5
Benzoic acid	65-85-0	ND	0.8
Benzo(a)anthracene	56-55-3	ND	0.2
Benzo(b)fluoranthene	205-99-2	ND	0.2
Benzo(k)fluoranthene	207-08-9	ND	0.2
Benzo(ghi)perylene	191-24-2	ND	0.2
Benzo(a)pyrene	50-32-8	ND	0.2
Benzyl alcohol	100-51-6	ND	0.4
Benzyl butyl phthalate	85-68-7	ND	0.2
Bis(2-chloroethoxy)methane	111-91-1	ND	0.2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification:	NFGP-1 (5.0')	Date Sampled:	07/07/97
Lab Number:	9707070-01A	Date Received:	07/07/97
Sample Matrix/Media:	SOIL	Date Extracted:	07/18/97
Extraction Method:	EPA 3550	Date Analyzed:	07/25/97
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Base/Neutral Extractables (Continued)</u>			
Bis(2-chloroethyl)ether	111-44-4	ND	0.2
Bis(2-chloroisopropyl)ether	108-60-1	ND	0.2
Bis(2-ethylhexyl)phthalate	117-81-7	ND	2
4-Bromophenyl phenyl ether	101-55-3	ND	0.2
4-Chloroaniline	106-47-8	ND	1
2-Chloronaphthalene	91-58-7	ND	0.2
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.2
Chrysene	218-01-9	ND	0.2
Dibenzo(a,h)anthracene	53-70-3	ND	0.2
Dibenzofuran	132-64-9	ND	0.2
Di-n-butylphthalate	84-74-2	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.2
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.2
3,3'-Dichlorobenzidine	91-94-1	ND	5
Diethylphthalate	84-66-2	ND	0.2
Dimethylphthalate	131-11-3	ND	0.2
2,4-Dinitrotoluene	121-14-2	ND	0.2
2,6-Dinitrotoluene	606-20-2	ND	0.2
Di-n-octylphthalate	117-84-0	ND	0.2
Fluoranthene	206-44-0	ND	0.2
Fluorene	86-73-7	ND	0.2
Hexachlorobenzene	118-74-1	ND	0.2
Hexachlorobutadiene	87-68-3	ND	0.2
Hexachlorocyclopentadiene	77-47-4	ND	2
Hexachloroethane	67-72-1	ND	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.2
Iscphorone	78-59-1	ND	0.2
2-Methyl naphthalene	91-57-6	ND	0.2
Naphthalene	91-20-3	ND	0.2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-1 (5.0')	Date Sampled: 07/07/97
Lab Number: 9707070-01A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Base/Neutral Extractables (Continued)</u>			
2-Nitroaniline	88-74-4	ND	1
3-Nitroaniline	99-09-2	ND	1
4-Nitroaniline	100-01-6	ND	1
Nitrobenzene	98-95-3	ND	0.2
N-Nitrosodiphenylamine	86-30-6	ND	0.2
N-Nitrosodi-n-propylamine	621-64-7	ND	0.2
Phenanthrene	85-01-8	ND	0.2
Pyrene	129-00-0	ND	0.2
1,2,4-Trichlorobenzene	120-82-1	ND	0.2

Surrogates		Recovery (%)	QC Limits (%)
2-Fluorobiphenyl	321-60-8	80	30 - 115
2-Fluorophenol	367-12-4	64	25 - 121
Nitrobenzene-d5	4165-60-0	66	23 - 120
Phenol-d5	13127-88-3	78	24 - 113
Terphenyl-d14	98904-43-9	104	18 - 137
2,4,6-Tribromophenol	118-79-6	75	19 - 122

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-2 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-02A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
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Acid Extractables

4-Chloro-3-methylphenol	59-50-7	ND	0.2
2-Chlorophenol	95-57-8	ND	0.2
2,4-Dichlorophenol	120-83-2	ND	0.2
2,4-Dimethylphenol	105-67-9	ND	0.2
2,4-Dinitrophenol	51-28-5	ND	1
2-Methyl-4,6-dinitrophenol	534-52-1	ND	1
2-Methylphenol	95-48-7	ND	0.2
4-Methylphenol	106-44-5	ND	0.2
2-Nitrophenol	88-75-5	ND	0.2
4-Nitrophenol	100-02-7	ND	1
Pentachlorophenol	87-86-5	ND	1
Phenol	108-95-2	0.4	0.2
2,4,5-Trichlorophenol	95-95-4	ND	0.2
2,4,6-Trichlorophenol	88-06-2	ND	0.2

Base/Neutral Extractables

Acenaphthene	83-32-9	ND	0.2
Acenaphthylene	208-96-8	ND	0.2
Anthracene	120-12-7	ND	0.2
Benzidine	92-87-5	ND	5
Benzoic acid	65-85-0	ND	0.8
Benzo(a)anthracene	56-55-3	ND	0.2
Benzo(b)fluoranthene	205-99-2	ND	0.2
Benzo(k)fluoranthene	207-08-9	ND	0.2
Benzo(ghi)perylene	191-24-2	ND	0.2
Benzo(a)pyrene	50-32-8	ND	0.2
Benzyl alcohol	100-51-6	ND	0.4
Benzyl butyl phthalate	85-68-7	ND	0.2
Bis(2-chloroethoxy)methane	111-91-1	ND	0.2



Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-2 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-02A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Base/Neutral Extractables (Continued)</u>			
Bis(2-chloroethyl) ether	111-44-4	ND	0.2
Bis(2-chloroisopropyl) ether	108-60-1	ND	0.2
Bis(2-ethylhexyl) phthalate	117-81-7	2	2
4-Bromophenyl phenyl ether	101-55-3	ND	0.2
4-Chloroaniline	106-47-8	ND	1
2-Chloronaphthalene	91-58-7	ND	0.2
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.2
Chrysene	218-01-9	ND	0.2
Dibenzo(a,h)anthracene	53-70-3	ND	0.2
Dibenzofuran	132-64-9	ND	0.2
Di-n-butylphthalate	84-74-2	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.2
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.2
3,3'-Dichlorobenzidine	91-94-1	ND	5
Diethylphthalate	84-66-2	ND	0.2
Dimethylphthalate	131-11-3	ND	0.2
2,4-Dinitrotoluene	121-14-2	ND	0.2
2,6-Dinitrotoluene	606-20-2	ND	0.2
Di-n-octylphthalate	117-84-0	ND	0.2
Fluoranthene	206-44-0	ND	0.2
Fluorene	86-73-7	ND	0.2
Hexachlorobenzene	118-74-1	ND	0.2
Hexachlorobutadiene	87-68-3	ND	0.2
Hexachlorocyclopentadiene	77-47-4	ND	2
Hexachloroethane	67-72-1	ND	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.2
Isophorone	78-59-1	ND	0.2
2-Methyl naphthalene	91-57-6	ND	0.2
Naphthalene	91-20-3	ND	0.2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-2 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-02A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
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Base/Neutral Extractables (Continued)

2-Nitroaniline	88-74-4	ND	1
3-Nitroaniline	99-09-2	ND	1
4-Nitroaniline	100-01-6	ND	1
Nitrobenzene	98-95-3	ND	0.2
N-Nitrosodiphenylamine	86-30-6	ND	0.2
N-Nitrosodi-n-propylamine	621-64-7	ND	0.2
Phenanthrene	85-01-8	ND	0.2
Pyrene	129-00-0	ND	0.2
1,2,4-Trichlorobenzene	120-82-1	ND	0.2

Surrogates

		Recovery (%)	QC Limits (%)
2-Fluorobiphenyl	321-60-8	80	30 - 115
2-Fluorophenol	367-12-4	67	25 - 121
Nitrobenzene-d5	4165-60-0	79	23 - 120
Phenol-d5	13127-88-3	82	24 - 113
Terphenyl-d14	98904-43-9	103	18 - 137
2,4,6-Tribromophenol	118-79-6	63	19 - 122

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-3 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-03A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Acid Extractables</u>			
4-Chloro-3-methylphenol	59-50-7	ND	0.2
2-Chlorophenol	95-57-8	ND	0.2
2,4-Dichlorophenol	120-83-2	ND	0.2
2,4-Dimethylphenol	105-67-9	ND	0.2
2,4-Dinitrophenol	51-28-5	ND	1
2-Methyl-4,6-dinitrophenol	534-52-1	ND	1
2-Methylphenol	95-48-7	ND	0.2
4-Methylphenol	106-44-5	ND	0.2
2-Nitrophenol	88-75-5	ND	0.2
4-Nitrophenol	100-02-7	ND	1
Pentachlorophenol	87-86-5	ND	1
Phenol	108-95-2	ND	0.2
2,4,5-Trichlorophenol	95-95-4	ND	0.2
2,4,6-Trichlorophenol	88-06-2	ND	0.2

Base/Neutral Extractables

Acenaphthene	83-32-9	ND	0.2
Acenaphthylene	208-96-8	ND	0.2
Anthracene	120-12-7	ND	0.2
Benzidine	92-87-5	ND	5
Benzoic acid	65-85-0	ND	0.8
Benzo(a)anthracene	56-55-3	ND	0.2
Benzo(b)fluoranthene	205-99-2	ND	0.2
Benzo(k)fluoranthene	207-08-9	ND	0.2
Benzo(ghi)perylene	191-24-2	ND	0.2
Benzo(a)pyrene	50-32-8	ND	0.2
Benzyl alcohol	100-51-6	ND	0.4
Benzyl butyl phthalate	85-68-7	ND	0.2
Bis(2-chloroethoxy)methane	111-91-1	ND	0.2

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.  
 Client Reference: 001-327-700  
 Clayton Project No. 97070.70

Sample Identification: NFGP-3 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-03A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
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Base/Neutral Extractables (Continued)

Bis(2-chloroethyl) ether	111-44-4	ND	0.2
Bis(2-chloroisopropyl) ether	108-60-1	ND	0.2
Bis(2-ethylhexyl) phthalate	117-81-7	ND	2
4-Bromophenyl phenyl ether	101-55-3	ND	0.2
4-Chloroaniline	106-47-8	ND	1
2-Chloronaphthalene	91-58-7	ND	0.2
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.2
Chrysene	218-01-9	ND	0.2
Dibenzo(a,h) anthracene	53-70-3	ND	0.2
Dibenzofuran	132-64-9	ND	0.2
Di-n-butylphthalate	84-74-2	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.2
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.2
3,3'-Dichlorobenzidine	91-94-1	ND	5
Diethylphthalate	84-66-2	ND	0.2
Dimethylphthalate	131-11-3	ND	0.2
2,4-Dinitrotoluene	121-14-2	ND	0.2
2,6-Dinitrotoluene	606-20-2	ND	0.2
Di-n-octylphthalate	117-84-0	ND	0.2
Fluoranthene	206-44-0	ND	0.2
Fluorene	86-73-7	ND	0.2
Hexachlorobenzene	118-74-1	ND	0.2
Hexachlorobutadiene	87-68-3	ND	0.2
Hexachlorocyclopentadiene	77-47-4	ND	2
Hexachloroethane	67-72-1	ND	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.2
Isophorone	78-59-1	ND	0.2
2-Methyl naphthalene	91-57-6	ND	0.2
Naphthalene	91-20-3	ND	0.2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-3 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-03A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
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Base/Neutral Extractables (Continued)

2-Nitroaniline	88-74-4	ND	1
3-Nitroaniline	99-09-2	ND	1
4-Nitroaniline	100-01-6	ND	1
Nitrobenzene	98-95-3	ND	0.2
N-Nitrosodiphenylamine	86-30-6	ND	0.2
N-Nitrosodi-n-propylamine	621-64-7	ND	0.2
Phenanthrene	85-01-8	ND	0.2
Pyrene	129-00-0	ND	0.2
1,2,4-Trichlorobenzene	120-82-1	ND	0.2

Surrogates

		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
2-Fluorobiphenyl	321-60-8	81	30 - 115
2-Fluorophenol	367-12-4	66	25 - 121
Nitrobenzene-d5	4165-60-0	74	23 - 120
Phenol-d5	13127-88-3	78	24 - 113
Terphenyl-d14	98904-43-9	102	18 - 137
2,4,6-Tribromophenol	118-79-6	61	19 - 122

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9707070-05A	Date Received: --
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/24/97
Method Reference: EPA 8270B	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Acid Extractables</u>			
4-Chloro-3-methylphenol	59-50-7	ND	0.2
2-Chlorophenol	95-57-8	ND	0.2
2,4-Dichlorophenol	120-83-2	ND	0.2
2,4-Dimethylphenol	105-67-9	ND	0.2
2,4-Dinitrophenol	51-28-5	ND	1
2-Methyl-4,6-dinitrophenol	534-52-1	ND	1
2-Methylphenol	95-48-7	ND	0.2
4-Methylphenol	106-44-5	ND	0.2
2-Nitrophenol	88-75-5	ND	0.2
4-Nitrophenol	100-02-7	ND	1
Pentachlorophenol	87-86-5	ND	1
Phenol	108-95-2	ND	0.2
2,4,5-Trichlorophenol	95-95-4	ND	0.2
2,4,6-Trichlorophenol	88-06-2	ND	0.2

<u>Base/Neutral Extractables</u>			
Acenaphthene	83-32-9	ND	0.2
Acenaphthylene	208-96-8	ND	0.2
Anthracene	120-12-7	ND	0.2
Benzidine	92-87-5	ND	5
Benzoic acid	65-85-0	ND	0.8
Benzo(a)anthracene	56-55-3	ND	0.2
Benzo(b)fluoranthene	205-99-2	ND	0.2
Benzo(k)fluoranthene	207-08-9	ND	0.2
Benzo(ghi)perylene	191-24-2	ND	0.2
Benzo(a)pyrene	50-32-8	ND	0.2
Benzyl alcohol	100-51-6	ND	0.4
Benzyl butyl phthalate	85-68-7	ND	0.2
Bis(2-chloroethoxy)methane	111-91-1	ND	0.2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9707070-05A	Date Received: --
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/24/97
Method Reference: EPA 8270B	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Base/Neutral Extractables (Continued)</u>			
Bis(2-chloroethyl) ether	111-44-4	ND	0.2
Bis(2-chloroisopropyl) ether	108-60-1	ND	0.2
Bis(2-ethylhexyl) phthalate	117-81-7	ND	2
4-Bromophenyl phenyl ether	101-55-3	ND	0.2
4-Chloroaniline	106-47-8	ND	1
2-Chloronaphthalene	91-58-7	ND	0.2
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.2
Chrysene	218-01-9	ND	0.2
Dibenzo(a,h)anthracene	53-70-3	ND	0.2
Dibenzofuran	132-64-9	ND	0.2
Di-n-butylphthalate	84-74-2	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.2
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.2
3,3'-Dichlorobenzidine	91-94-1	ND	5
Diethylphthalate	84-66-2	ND	0.2
Dimethylphthalate	131-11-3	ND	0.2
2,4-Dinitrotoluene	121-14-2	ND	0.2
2,6-Dinitrotoluene	606-20-2	ND	0.2
Di-n-octylphthalate	117-84-0	ND	0.2
Fluoranthene	206-44-0	ND	0.2
Fluorene	86-73-7	ND	0.2
Hexachlorobenzene	118-74-1	ND	0.2
Hexachlorobutadiene	87-68-3	ND	0.2
Hexachlorocyclopentadiene	77-47-4	ND	2
Hexachloroethane	67-72-1	ND	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.2
Isophorone	78-59-1	ND	0.2
2-Methyl naphthalene	91-57-6	ND	0.2
Naphthalene	91-20-3	ND	0.2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9707070-05A	Date Received: --
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/24/97
Method Reference: EPA 8270B	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
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Base/Neutral Extractables (Continued)

2-Nitroaniline	88-74-4	ND	1
3-Nitroaniline	99-09-2	ND	1
4-Nitroaniline	100-01-6	ND	1
Nitrobenzene	98-95-3	ND	0.2
N-Nitrosodiphenylamine	86-30-6	ND	0.2
N-Nitrosodi-n-propylamine	621-64-7	ND	0.2
Phenanthrene	85-01-8	ND	0.2
Pyrene	129-00-0	ND	0.2
1,2,4-Trichlorobenzene	120-82-1	ND	0.2

Surrogates

		Recovery (%)	QC Limits (%)
2-Fluorobiphenyl	321-60-8	88	30 - 115
2-Fluorophenol	367-12-4	81	25 - 121
Nitrobenzene-d5	4165-60-0	90	23 - 120
Phenol-d5	13127-88-3	88	24 - 113
Terphenyl-d14	98904-43-9	110	18 - 137
2,4,6-Tribromophenol	118-79-6	55	19 - 122

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.



Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-1 (5.0')	Date Sampled: 07/07/97
Lab Number: 9707070-01A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Prepared: 07/07/97
Preparation Method: EPA 5030	Date Analyzed: 07/07/97
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
MTBE	--	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
a, a, a-Trifluorotoluene	98-08-8	85	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification:	NFGP-2 (7.0')	Date Sampled:	07/07/97
Lab Number:	9707070-02A	Date Received:	07/07/97
Sample Matrix/Media:	SOIL	Date Prepared:	07/07/97
Preparation Method:	EPA 5030	Date Analyzed:	07/07/97
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
MTBE	--	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	76	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-3 (7.0')	Date Sampled: 07/07/97
Lab Number: 9707070-03A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Prepared: 07/07/97
Preparation Method: EPA 5030	Date Analyzed: 07/07/97
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
MTBE	--	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	82	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-2 (10.5-11.5')	Date Sampled: 07/07/97
Lab Number: 9707070-04A	Date Received: 07/07/97
Sample Matrix/Media: SOIL	Date Prepared: 07/07/97
Preparation Method: EPA 5030	Date Analyzed: 07/07/97
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
MTBE	--	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	85	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.  
 Client Reference: 001-327-700  
 Clayton Project No. 97070.70

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9707070-05A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	07/07/97
Preparation Method:	EPA 5030	Date Analyzed:	07/07/97
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
MTBE	--	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	105	50 - 150

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-1 (5.0')  
Lab Number: 9707070-01  
Sample Matrix/Media: SOIL

Date Sampled: 07/07/97  
Date Received: 07/07/97

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Arsenic	4	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Barium	92	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Beryllium	0.2	0.1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Chromium	27	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cobalt	8	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Copper	12	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Lead	4	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/09/97	07/09/97	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Nickel	34	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Thallium	2	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Total Oil and Grease	40	30	mg/kg	07/08/97	07/11/97	SM 5520E	SM 5520C
Vanadium	26	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Zinc	34	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.  
 Client Reference: 001-327-700  
 Clayton Project No. 97070.70

Sample Identification: NFGP-2 (7.0')  
 Lab Number: 9707070-02  
 Sample Matrix/Media: SOIL

Date Sampled: 07/07/97  
 Date Received: 07/07/97

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Arsenic	4	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Barium	79	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Beryllium	0.2	0.1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Chromium	26	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cobalt	8	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Copper	13	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Lead	4	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/09/97	07/09/97	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Nickel	32	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Thallium	1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Total Oil and Grease	ND	30	mg/kg	07/08/97	07/11/97	SM 5520E	SM 5520C
Vanadium	28	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Zinc	30	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-3 (7.0')  
Lab Number: 9707070-03  
Sample Matrix/Media: SOIL

Date Sampled: 07/07/97  
Date Received: 07/07/97

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Arsenic	4	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Barium	71	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Beryllium	0.2	0.1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Chromium	23	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cobalt	8	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Copper	8	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Lead	3	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/09/97	07/09/97	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Nickel	33	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Thallium	2	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Total Oil and Grease	ND	30	mg/kg	07/08/97	07/11/97	SM 5520E	SM 5520C
Vanadium	21	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Zinc	26	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.



Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: NFGP-2 (10.5-11.5')  
Lab Number: 9707070-04  
Sample Matrix/Media: SOIL

Date Sampled: 07/07/97  
Date Received: 07/07/97  
Date Extracted: 07/08/97

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Total Oil and Grease	ND	30	mg/kg	07/08/97	07/11/97	SM 5520E	SM 5520C

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Client Reference: 001-327-700  
Clayton Project No. 97070.70

Sample Identification: METHOD BLANK  
Lab Number: 9707070-05  
Sample Matrix/Media: SOIL

Date Sampled: --  
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Arsenic	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Barium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Chromium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cobalt	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Copper	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/09/97	07/09/97	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Nickel	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Thallium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Total Oil and Grease	ND	30	mg/kg	07/08/97	07/11/97	SM 5520E	SM 5520C
Vanadium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Zinc	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

# Clayton

ENVIRONMENTAL  
CONSULTANTS

## REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only | Page 101 of 102

Project No. \_\_\_\_\_

Batch No. 9707070

Ind. Code \_\_\_\_\_ W.P. \_\_\_\_\_

Date Logged In \_\_\_\_\_ By \_\_\_\_\_

Dr Mike Vennawitz

REPORT RESULTS TO

Name John McDermott Title \_\_\_\_\_

Company Capsule Envir. Engrs Dept. \_\_\_\_\_

Mailing Address 1970 Oakcrest Avenue

City, State, Zip St. Paul, MN

Telephone No. (612) 636-2444 Telefax No. (612) 636-3106

Purchase Order No. \_\_\_\_\_ Client Job No. 001-327-700

SEND INVOICE TO

Name John McDermott

Company Capsule Envir. Engineering Dept. \_\_\_\_\_

Address 1970 Oakcrest Avenue

City, State, Zip St. Paul, MN 55119

Date Results Req.: \_\_\_\_\_ Rush Charges Authorized?  Yes  No

Phone / Fax Results

Special Instructions: (method, limit of detection, etc.)  
Rush for BETX/GAS/MTBE (24 hr. TAT)

Explanation of Preservative: \_\_\_\_\_

Samples are: (check if applicable)  
 Drinking Water  
 Collected in the State of New York

ANALYSIS REQUESTED  
(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)

Number of Containers	TPH-G/STREPT	TPH-D	BOD	OCG (550)	SUOC	CAT-HC222	MTBE	FOR LAB USE ONLY

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	TPH-G/STREPT	TPH-D	BOD	OCG (550)	SUOC	CAT-HC222	MTBE	FOR LAB USE ONLY
NFGP-1 (4.5' (5.0) - 5.5')	7/7/97	Soil	pl tubes	3	X	X	X	X	X			01A-C
NFGP-2 (6.5' (7.0) - 7.5')	7/7/97	Soil		3	X	X	X	X	X			02
NFGP-3 (6.5' (7.0) - 7.5')	7/7/97	Soil		3	X	X	X	X	X			03
NFGP-2 (10.5 - 11.5)	7/7/97	Soil	↓	1	X	X	X					04A

CHAIN OF CUSTODY

Collected by: John McDermott (print)

Relinquished by: [Signature] Date/Time 7/7/97

Relinquished by: \_\_\_\_\_ Date/Time \_\_\_\_\_

Method of Shipment: \_\_\_\_\_

Authorized by: \_\_\_\_\_ Date \_\_\_\_\_  
(Client Signature Must Accompany Request)

Collector's Signature: \_\_\_\_\_

Received by: [Signature] Date/Time \_\_\_\_\_

Received at Lab by: [Signature] Date/Time 7/7/97 5:45p

Sample Condition Upon Receipt:  Acceptable  Other (explain)  
Use 5.0, 7.0 and NFGP-3 7.0' for analysis.

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive Novi, MI 48375 (810) 344-1770	Raritan Center 160 Fieldcrest Ave. Edison, NJ 08837 (908) 225-6040	400 Chastain Center Blvd., N.W. Suite 490 Kennesaw, GA 30144 (404) 499-7500	1252 Quarry Lane Pleasanton, CA 94566 (510) 426-2657
---	---	--	--

\* \* label on sample read 4.0 instead of 5.5. 5.5's correct per client job

\* \* label reads 10.5-11.0 - tagged 2/92

DISTRIBUTION:  
WHITE - Clayton Laboratory  
YELLOW - Clayton Accounting  
PINK - Client Retains

San Francisco Regional Office

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

July 28, 1997

Mr. John McDermitt  
CAPSULE ENVIRONMENTAL ENGINEERING, INC.  
1970 Oakcrest Avenue  
St. Paul, MN 55113

FINAL REPORT  
Client Ref.: NONE  
Clayton Project No.: 97070.85

Dear Mr. McDermitt:

Attached is our final analytical laboratory report for the samples received on July 8, 1997. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after August 9, 1997, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,



Harriotte A. Hurley, CIH  
Director, Laboratory Services  
San Francisco Regional Office

HAH/las

Attachments

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (0-4.0)	Date Sampled: 07/08/97
Lab Number: 9707085-01A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/10/97
Extraction Method: EPA 3550	Date Analyzed: 07/14/97
Method Reference: EPA 8015 (Modified)	Analyst: FAK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
Total-Extractables	--	1700	100
TPH-Diesel	--	ND	300
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	D	50 - 150

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.  
 \* Surrogate diluted out

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (11.5-12.0)	Date Sampled: 07/08/97
Lab Number: 9707085-02A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/10/97
Extraction Method: EPA 3550	Date Analyzed: 07/15/97
Method Reference: EPA 8015 (Modified)	Analyst: FAK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
Total-Extractables	--	59	1
TPH-Diesel	--	ND	7
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
p-Terphenyl	92-94-4	78	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (15-16)	Date Sampled: 07/08/97
Lab Number: 9707085-03A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/10/97
Extraction Method: EPA 3550	Date Analyzed: 07/14/97
Method Reference: EPA 8015 (Modified)	Analyst: FAK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
Total-Extractables	--	2	1
TPH-Diesel	--	ND	1
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	74	50 - 150

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Clayton Project No. 97070.85

Sample Identification:	NFGP-5 (5.5-6.5)	Date Sampled:	07/08/97
Lab Number:	9707085-04A	Date Received:	07/08/97
Sample Matrix/Media:	SOIL	Date Extracted:	07/10/97
Extraction Method:	EPA 3550	Date Analyzed:	07/15/97
Method Reference:	EPA 8015 (Modified)	Analyst:	FAK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
Total-Extractables	--	1500	100
TPH-Diesel	--	ND	300
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
p-Terphenyl	92-94-4	D	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.  
\* Surrogate diluted out



Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.  
 Clayton Project No. 97070.85

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9707085-07A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	07/10/97
Extraction Method:	EPA 3550	Date Analyzed:	07/12/97
Method Reference:	EPA 8015 (Modified)	Analyst:	FAK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
Total-Extractables	--	ND	1
TPH-Diesel	--	ND	1
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	98	50 - 150

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (0-4.0)	Date Sampled: 07/08/97
Lab Number: 9707085-01A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Prepared: 07/08/97
Preparation Method: EPA 5030	Date Analyzed: 07/10/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.07
Bromoform	75-25-2	ND	0.07
Bromomethane	74-83-9	ND	0.07
Carbon tetrachloride	56-23-5	ND	0.06
Chlorobenzene	108-90-7	ND	0.07
Chloroethane	75-00-3	ND	0.05
2-Chloroethylvinyl ether	110-75-8	ND	0.1
Chloroform	67-66-3	ND	0.05
Chloromethane	74-87-3	ND	0.06
Dibromochloromethane	124-48-1	ND	0.06
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
1,1-Dichloroethane	75-34-3	ND	0.04
1,2-Dichloroethane	107-06-2	ND	0.03
1,1-Dichloroethene	75-35-4	ND	0.03
cis-1,2-Dichloroethene	156-59-2	ND	0.04
trans-1,2-Dichloroethene	156-60-5	ND	0.04
1,2-Dichloropropane	78-87-5	ND	0.05
cis-1,3-Dichloropropene	10061-01-5	ND	0.05
trans-1,3-Dichloropropene	10061-02-6	ND	0.06
Freon 113	76-13-1	ND	0.06
Methylene chloride	75-09-2	ND	0.2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Tetrachloroethene	127-18-4	ND	0.05
1,1,1-Trichloroethane	71-55-6	ND	0.05
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trichloroethene	79-01-6	ND	0.03
Trichlorofluoromethane	75-69-4	ND	0.04

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (0-4.0)	Date Sampled: 07/08/97
Lab Number: 9707085-01A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Prepared: 07/08/97
Preparation Method: EPA 5030	Date Analyzed: 07/10/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons (Continued)</u>			
Vinyl chloride	75-01-4	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1-Chloro-2-methylpropene	513-37-1	103	70 - 130

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (11.5-12.0)	Date Sampled: 07/08/97
Lab Number: 9707085-02A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Prepared: 07/08/97
Preparation Method: EPA 5030	Date Analyzed: 07/10/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.07
Bromoform	75-25-2	ND	0.07
Bromomethane	74-83-9	ND	0.07
Carbon tetrachloride	56-23-5	ND	0.06
Chlorobenzene	108-90-7	0.08	0.07
Chloroethane	75-00-3	ND	0.05
2-Chloroethylvinyl ether	110-75-8	ND	0.1
Chloroform	67-66-3	ND	0.05
Chloromethane	74-87-3	ND	0.06
Dibromochloromethane	124-48-1	ND	0.06
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
1,1-Dichloroethane	75-34-3	ND	0.04
1,2-Dichloroethane	107-06-2	ND	0.03
1,1-Dichloroethene	75-35-4	ND	0.03
cis-1,2-Dichloroethene	156-59-2	ND	0.04
trans-1,2-Dichloroethene	156-60-5	ND	0.04
1,2-Dichloropropane	78-87-5	ND	0.05
cis-1,3-Dichloropropene	10061-01-5	ND	0.05
trans-1,3-Dichloropropene	10061-02-6	ND	0.06
Freon 113	76-13-1	ND	0.06
Methylene chloride	75-09-2	ND	0.2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Tetrachloroethene	127-18-4	ND	0.05
1,1,1-Trichloroethane	71-55-6	ND	0.05
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trichloroethene	79-01-6	ND	0.03
Trichlorofluoromethane	75-69-4	ND	0.04

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (11.5-12.0)	Date Sampled: 07/08/97
Lab Number: 9707085-02A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Prepared: 07/08/97
Preparation Method: EPA 5030	Date Analyzed: 07/10/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons (Continued)</u>			
Vinyl chloride	75-01-4	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1-Chloro-2-methylpropene	513-37-1	85	70 - 130

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (15-16)	Date Sampled: 07/08/97
Lab Number: 9707085-03A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Prepared: 07/08/97
Preparation Method: EPA 5030	Date Analyzed: 07/10/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.07
Bromoform	75-25-2	ND	0.07
Bromomethane	74-83-9	ND	0.07
Carbon tetrachloride	56-23-5	ND	0.06
Chlorobenzene	108-90-7	ND	0.07
Chloroethane	75-00-3	ND	0.05
2-Chloroethylvinyl ether	110-75-8	ND	0.1
Chloroform	67-66-3	ND	0.05
Chloromethane	74-87-3	ND	0.06
Dibromochloromethane	124-48-1	ND	0.06
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
1,1-Dichloroethane	75-34-3	ND	0.04
1,2-Dichloroethane	107-06-2	ND	0.03
1,1-Dichloroethene	75-35-4	ND	0.03
cis-1,2-Dichloroethene	156-59-2	ND	0.04
trans-1,2-Dichloroethene	156-60-5	ND	0.04
1,2-Dichloropropane	78-87-5	ND	0.05
cis-1,3-Dichloropropene	10061-01-5	ND	0.05
trans-1,3-Dichloropropene	10061-02-6	ND	0.06
Freon 113	76-13-1	ND	0.06
Methylene chloride	75-09-2	ND	0.2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Tetrachloroethene	127-18-4	ND	0.05
1,1,1-Trichloroethane	71-55-6	ND	0.05
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trichloroethene	79-01-6	ND	0.03
Trichlorofluoromethane	75-69-4	ND	0.04

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (15-16)	Date Sampled: 07/08/97
Lab Number: 9707085-03A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Prepared: 07/08/97
Preparation Method: EPA 5030	Date Analyzed: 07/10/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons (Continued)</u>			
Vinyl chloride	75-01-4	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1-Chloro-2-methylpropene	513-37-1	96	70 - 130

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Clayton Project No. 97070.85

Sample Identification: NFGP-5 (5.5-6.5)	Date Sampled: 07/08/97
Lab Number: 9707085-04A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Prepared: 07/08/97
Preparation Method: EPA 5030	Date Analyzed: 07/10/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.07
Bromoform	75-25-2	ND	0.07
Bromomethane	74-83-9	ND	0.07
Carbon tetrachloride	56-23-5	ND	0.06
Chlorobenzene	108-90-7	ND	0.07
Chloroethane	75-00-3	ND	0.05
2-Chloroethylvinyl ether	110-75-8	ND	0.1
Chloroform	67-66-3	ND	0.05
Chloromethane	74-87-3	ND	0.06
Dibromochloromethane	124-48-1	ND	0.06
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
1,1-Dichloroethane	75-34-3	ND	0.04
1,2-Dichloroethane	107-06-2	ND	0.03
1,1-Dichloroethene	75-35-4	ND	0.03
cis-1,2-Dichloroethene	156-59-2	ND	0.04
trans-1,2-Dichloroethene	156-60-5	ND	0.04
1,2-Dichloropropane	78-87-5	ND	0.05
cis-1,3-Dichloropropene	10061-01-5	ND	0.05
trans-1,3-Dichloropropene	10061-02-6	ND	0.06
Freon 113	76-13-1	ND	0.06
Methylene chloride	75-09-2	ND	0.2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Tetrachloroethene	127-18-4	ND	0.05
1,1,1-Trichloroethane	71-55-6	ND	0.05
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trichloroethene	79-01-6	ND	0.03
Trichlorofluoromethane	75-69-4	ND	0.04



Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-5 (5.5-6.5)	Date Sampled: 07/08/97
Lab Number: 9707085-04A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Prepared: 07/08/97
Preparation Method: EPA 5030	Date Analyzed: 07/10/97
Method Reference: EPA 8010	Analyst: GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons (Continued)</u>			
Vinyl chloride	75-01-4	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1-Chloro-2-methylpropene	513-37-1	95	70 - 130

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9707085-07A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	07/08/97
Preparation Method:	EPA 5030	Date Analyzed:	07/10/97
Method Reference:	EPA 8010	Analyst:	GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.07
Bromoform	75-25-2	ND	0.07
Bromomethane	74-83-9	ND	0.07
Carbon tetrachloride	56-23-5	ND	0.06
Chlorobenzene	108-90-7	ND	0.07
Chloroethane	75-00-3	ND	0.05
2-Chloroethylvinyl ether	110-75-8	ND	0.1
Chloroform	67-66-3	ND	0.05
Chloromethane	74-87-3	ND	0.06
Dibromochloromethane	124-48-1	ND	0.06
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
1,1-Dichloroethane	75-34-3	ND	0.04
1,2-Dichloroethane	107-06-2	ND	0.03
1,1-Dichloroethene	75-35-4	ND	0.03
cis-1,2-Dichloroethene	156-59-2	ND	0.04
trans-1,2-Dichloroethene	156-60-5	ND	0.04
1,2-Dichloropropane	78-87-5	ND	0.05
cis-1,3-Dichloropropene	10061-01-5	ND	0.05
trans-1,3-Dichloropropene	10061-02-6	ND	0.06
Freon 113	76-13-1	ND	0.06
Methylene chloride	75-09-2	ND	0.2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Tetrachloroethene	127-18-4	ND	0.05
1,1,1-Trichloroethane	71-55-6	ND	0.05
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trichloroethene	79-01-6	ND	0.03
Trichlorofluoromethane	75-69-4	ND	0.04

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.  
 Clayton Project No. 97070.85

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9707085-07A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	07/08/97
Preparation Method:	EPA 5030	Date Analyzed:	07/10/97
Method Reference:	EPA 8010	Analyst:	GUD

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Purgeable Halocarbons (Continued)</u>			
Vinyl chloride	75-01-4	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1-Chloro-2-methylpropene	513-37-1	100	70 - 130

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification:	NFGP-1	Date Sampled:	07/08/97
Lab Number:	9707085-05B	Date Received:	07/08/97
Sample Matrix/Media:	WATER	Date Prepared:	07/09/97
Preparation Method:	EPA 5030	Date Analyzed:	07/09/97
Method Reference:	EPA 8010	Analyst:	GUD

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.7
Bromoform	75-25-2	ND	0.7
Bromomethane	74-83-9	ND	0.7
Carbon tetrachloride	56-23-5	ND	0.6
Chlorobenzene	108-90-7	ND	0.7
Chloroethane	75-00-3	ND	0.5
2-Chloroethylvinyl ether	110-75-8	ND	1
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.6
Dibromochloromethane	124-48-1	ND	0.6
1,2-Dibromoethane	106-93-4	ND	0.5
1,2-Dichlorobenzene	95-50-1	0.5	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	1
1,1-Dichloroethane	75-34-3	ND	0.4
1,2-Dichloroethane	107-06-2	ND	0.3
1,1-Dichloroethene	75-35-4	ND	0.2
cis-1,2-Dichloroethene	156-59-2	ND	0.4
trans-1,2-Dichloroethene	156-60-5	ND	0.4
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.6
Freon 113	76-13-1	ND	0.6
Methylene chloride	75-09-2	ND	2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.6
Trichloroethene	79-01-6	ND	0.3

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification:	NFGP-1	Date Sampled:	07/08/97
Lab Number:	9707085-05B	Date Received:	07/08/97
Sample Matrix/Media:	WATER	Date Prepared:	07/09/97
Preparation Method:	EPA 5030	Date Analyzed:	07/09/97
Method Reference:	EPA 8010	Analyst:	GUD

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (Continued)</u>			
Trichlorofluoromethane	75-69-4	ND	0.4
Vinyl chloride	75-01-4	ND	0.5
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1-Chloro-2-methylpropene	513-37-1	98	70 - 130

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9707085-08A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/08/97
Preparation Method:	EPA 5030	Date Analyzed:	07/08/97
Method Reference:	EPA 8010	Analyst:	GUD

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.7
Bromoform	75-25-2	ND	0.7
Bromomethane	74-83-9	ND	0.7
Carbon tetrachloride	56-23-5	ND	0.6
Chlorobenzene	108-90-7	ND	0.7
Chloroethane	75-00-3	ND	0.5
2-Chloroethylvinyl ether	110-75-8	ND	1
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.6
Dibromochloromethane	124-48-1	ND	0.6
1,2-Dibromoethane	106-93-4	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	1
1,1-Dichloroethane	75-34-3	ND	0.4
1,2-Dichloroethane	107-06-2	ND	0.3
1,1-Dichloroethene	75-35-4	ND	0.2
cis-1,2-Dichloroethene	156-59-2	ND	0.4
trans-1,2-Dichloroethene	156-60-5	ND	0.4
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.6
Freon 113	76-13-1	ND	0.6
Methylene chloride	75-09-2	ND	2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.6
Trichloroethene	79-01-6	ND	0.3

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9707085-08A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/08/97
Preparation Method:	EPA 5030	Date Analyzed:	07/08/97
Method Reference:	EPA 8010	Analyst:	GUD

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (Continued)</u>			
Trichlorofluoromethane	75-69-4	ND	0.4
Vinyl chloride	75-01-4	ND	0.5
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1-Chloro-2-methylpropene	513-37-1	112	70 - 130

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (0-4.0)	Date Sampled: 07/08/97
Lab Number: 9707085-01A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Acid Extractables</u>			
4-Chloro-3-methylphenol	59-50-7	ND	2
2-Chlorophenol	95-57-8	ND	2
2,4-Dichlorophenol	120-83-2	ND	2
2,4-Dimethylphenol	105-67-9	ND	2
2,4-Dinitrophenol	51-28-5	ND	10
2-Methyl-4,6-dinitrophenol	534-52-1	ND	10
2-Methylphenol	95-48-7	ND	2
4-Methylphenol	106-44-5	ND	2
2-Nitrophenol	88-75-5	ND	2
4-Nitrophenol	100-02-7	ND	10
Pentachlorophenol	87-86-5	ND	10
Phenol	108-95-2	ND	2
2,4,5-Trichlorophenol	95-95-4	ND	2
2,4,6-Trichlorophenol	88-06-2	ND	2

Base/Neutral Extractables

Acenaphthene	83-32-9	ND	2
Acenaphthylene	208-96-8	ND	2
Anthracene	120-12-7	ND	2
Benzidine	92-87-5	ND	50
Benzoic acid	65-85-0	ND	8
Benzo(a)anthracene	56-55-3	ND	2
Benzo(b)fluoranthene	205-99-2	ND	2
Benzo(k)fluoranthene	207-08-9	ND	2
Benzo(ghi)perylene	191-24-2	ND	2
Benzo(a)pyrene	50-32-8	ND	2
Benzyl alcohol	100-51-6	ND	4
Benzyl butyl phthalate	85-68-7	ND	2
Bis(2-chloroethoxy)methane	111-91-1	ND	2



Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (0-4.0)	Date Sampled: 07/08/97
Lab Number: 9707085-01A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Base/Neutral Extractables (Continued)</u>			
Bis(2-chloroethyl)ether	111-44-4	ND	2
Bis(2-chloroisopropyl)ether	108-60-1	ND	2
Bis(2-ethylhexyl)phthalate	117-81-7	ND	20
4-Bromophenyl phenyl ether	101-55-3	ND	2
4-Chloroaniline	106-47-8	ND	10
2-Chloronaphthalene	91-58-7	ND	2
4-Chlorophenyl phenyl ether	7005-72-3	ND	2
Chrysene	218-01-9	ND	2
Dibenzo(a,h)anthracene	53-70-3	ND	2
Dibenzofuran	132-64-9	ND	2
Di-n-butylphthalate	84-74-2	ND	2
1,2-Dichlorobenzene	95-50-1	ND	2
1,3-Dichlorobenzene	541-73-1	ND	2
1,4-Dichlorobenzene	106-46-7	ND	2
3,3'-Dichlorobenzidine	91-94-1	ND	50
Diethylphthalate	84-66-2	ND	2
Dimethylphthalate	131-11-3	ND	2
2,4-Dinitrotoluene	121-14-2	ND	2
2,6-Dinitrotoluene	606-20-2	ND	2
Di-n-octylphthalate	117-84-0	ND	2
Fluoranthene	206-44-0	ND	2
Fluorene	86-73-7	ND	2
Hexachlorobenzene	118-74-1	ND	2
Hexachlorobutadiene	87-68-3	ND	2
Hexachlorocyclopentadiene	77-47-4	ND	20
Hexachloroethane	67-72-1	ND	2
Indeno(1,2,3-cd)pyrene	193-39-5	ND	2
Isophorone	78-59-1	ND	2
2-Methyl naphthalene	91-57-6	ND	2
Naphthalene	91-20-3	ND	2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (0-4.0)	Date Sampled: 07/08/97
Lab Number: 9707085-01A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
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Base/Neutral Extractables (Continued)

2-Nitroaniline	88-74-4	ND	10
3-Nitroaniline	99-09-2	ND	10
4-Nitroaniline	100-01-6	ND	10
Nitrobenzene	98-95-3	ND	2
N-Nitrosodiphenylamine	86-30-6	ND	2
N-Nitrosodi-n-propylamine	621-64-7	ND	2
Phenanthrene	85-01-8	ND	2
Pyrene	129-00-0	ND	2
1,2,4-Trichlorobenzene	120-82-1	ND	2

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
2-Fluorobiphenyl	321-60-8	63	30 - 115
2-Fluorophenol	367-12-4	26	25 - 121
Nitrobenzene-d5	4165-60-0	44	23 - 120
Phenol-d5	13127-88-3	45	24 - 113
Terphenyl-d14	98904-43-9	74	18 - 137
2,4,6-Tribromophenol	118-79-6	23	19 - 122

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.  
Note: Detection limits increased due to matrix interference.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (11.5-12.0)	Date Sampled: 07/08/97
Lab Number: 9707085-02A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Acid Extractables</u>			
4-Chloro-3-methylphenol	59-50-7	ND	0.2
2-Chlorophenol	95-57-8	ND	0.2
2,4-Dichlorophenol	120-83-2	ND	0.2
2,4-Dimethylphenol	105-67-9	ND	0.2
2,4-Dinitrophenol	51-28-5	ND	1
2-Methyl-4,6-dinitrophenol	534-52-1	ND	1
2-Methylphenol	95-48-7	ND	0.2
4-Methylphenol	106-44-5	ND	0.2
2-Nitrophenol	88-75-5	ND	0.2
4-Nitrophenol	100-02-7	ND	1
Pentachlorophenol	87-86-5	ND	1
Phenol	108-95-2	ND	0.2
2,4,5-Trichlorophenol	95-95-4	ND	0.2
2,4,6-Trichlorophenol	88-06-2	ND	0.2
<u>Base/Neutral Extractables</u>			
Acenaphthene	83-32-9	ND	0.2
Acenaphthylene	208-96-8	ND	0.2
Anthracene	120-12-7	ND	0.2
Benzidine	92-87-5	ND	5
Benzoic acid	65-85-0	ND	0.8
Benzo(a)anthracene	56-55-3	ND	0.2
Benzo(b)fluoranthene	205-99-2	ND	0.2
Benzo(k)fluoranthene	207-08-9	ND	0.2
Benzo(ghi)perylene	191-24-2	ND	0.2
Benzo(a)pyrene	50-32-8	ND	0.2
Benzyl alcohol	100-51-6	ND	0.4
Benzyl butyl phthalate	85-68-7	ND	0.2
Bis(2-chloroethoxy)methane	111-91-1	ND	0.2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (11.5-12.0)	Date Sampled: 07/08/97
Lab Number: 9707085-02A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Base/Neutral Extractables (Continued)</u>			
Bis(2-chloroethyl) ether	111-44-4	ND	0.2
Bis(2-chloroisopropyl) ether	108-60-1	ND	0.2
Bis(2-ethylhexyl) phthalate	117-81-7	ND	2
4-Bromophenyl phenyl ether	101-55-3	ND	0.2
4-Chloroaniline	106-47-8	ND	1
2-Chloronaphthalene	91-58-7	ND	0.2
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.2
Chrysene	218-01-9	ND	0.2
Dibenzo(a,h) anthracene	53-70-3	ND	0.2
Dibenzofuran	132-64-9	ND	0.2
Di-n-butylphthalate	84-74-2	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.2
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.2
3,3'-Dichlorobenzidine	91-94-1	ND	5
Diethylphthalate	84-66-2	ND	0.2
Dimethylphthalate	131-11-3	ND	0.2
2,4-Dinitrotoluene	121-14-2	ND	0.2
2,6-Dinitrotoluene	606-20-2	ND	0.2
Di-n-octylphthalate	117-84-0	ND	0.2
Fluoranthene	206-44-0	ND	0.2
Fluorene	86-73-7	ND	0.2
Hexachlorobenzene	118-74-1	ND	0.2
Hexachlorobutadiene	87-68-3	ND	0.2
Hexachlorocyclopentadiene	77-47-4	ND	2
Hexachloroethane	67-72-1	ND	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.2
Isophorone	78-59-1	ND	0.2
2-Methyl naphthalene	91-57-6	ND	0.2
Naphthalene	91-20-3	ND	0.2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (11.5-12.0)	Date Sampled: 07/08/97
Lab Number: 9707085-02A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
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Base/Neutral Extractables (Continued)

2-Nitroaniline	88-74-4	ND	1
3-Nitroaniline	99-09-2	ND	1
4-Nitroaniline	100-01-6	ND	1
Nitrobenzene	98-95-3	ND	0.2
N-Nitrosodiphenylamine	86-30-6	ND	0.2
N-Nitrosodi-n-propylamine	621-64-7	ND	0.2
Phenanthrene	85-01-8	ND	0.2
Pyrene	129-00-0	ND	0.2
1,2,4-Trichlorobenzene	120-82-1	ND	0.2

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
2-Fluorobiphenyl	321-60-8	72	30 - 115
2-Fluorophenol	367-12-4	61	25 - 121
Nitrobenzene-d5	4165-60-0	66	23 - 120
Phenol-d5	13127-88-3	66	24 - 113
Terphenyl-d14	98904-43-9	92	18 - 137
2,4,6-Tribromophenol	118-79-6	59	19 - 122

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (15-16)	Date Sampled: 07/08/97
Lab Number: 9707085-03A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
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Acid Extractables

4-Chloro-3-methylphenol	59-50-7	ND	0.2
2-Chlorophenol	95-57-8	ND	0.2
2,4-Dichlorophenol	120-83-2	ND	0.2
2,4-Dimethylphenol	105-67-9	ND	0.2
2,4-Dinitrophenol	51-28-5	ND	1
2-Methyl-4,6-dinitrophenol	534-52-1	ND	1
2-Methylphenol	95-48-7	ND	0.2
4-Methylphenol	106-44-5	ND	0.2
2-Nitrophenol	88-75-5	ND	0.2
4-Nitrophenol	100-02-7	ND	1
Pentachlorophenol	87-86-5	ND	1
Phenol	108-95-2	0.6	0.2
2,4,5-Trichlorophenol	95-95-4	ND	0.2
2,4,6-Trichlorophenol	88-06-2	ND	0.2

Base/Neutral Extractables

Acenaphthene	83-32-9	ND	0.2
Acenaphthylene	208-96-8	ND	0.2
Anthracene	120-12-7	ND	0.2
Benzydine	92-87-5	ND	5
Benzoic acid	65-85-0	ND	0.8
Benzo(a)anthracene	56-55-3	ND	0.2
Benzo(b)fluoranthene	205-99-2	ND	0.2
Benzo(k)fluoranthene	207-08-9	ND	0.2
Benzo(ghi)perylene	191-24-2	ND	0.2
Benzo(a)pyrene	50-32-8	ND	0.2
Benzyl alcohol	100-51-6	ND	0.4
Benzyl butyl phthalate	85-68-7	ND	0.2
Bis(2-chloroethoxy)methane	111-91-1	ND	0.2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (15-16)	Date Sampled: 07/08/97
Lab Number: 9707085-03A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Base/Neutral Extractables (Continued)</u>			
Bis(2-chloroethyl)ether	111-44-4	ND	0.2
Bis(2-chloroisopropyl)ether	108-60-1	ND	0.2
Bis(2-ethylhexyl)phthalate	117-81-7	ND	2
4-Bromophenyl phenyl ether	101-55-3	ND	0.2
4-Chloroaniline	106-47-8	ND	1
2-Chloronaphthalene	91-58-7	ND	0.2
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.2
Chrysene	218-01-9	ND	0.2
Dibenzo(a,h)anthracene	53-70-3	ND	0.2
Dibenzofuran	132-64-9	ND	0.2
Di-n-butylphthalate	84-74-2	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.2
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.2
3,3'-Dichlorobenzidine	91-94-1	ND	5
Diethylphthalate	84-66-2	ND	0.2
Dimethylphthalate	131-11-3	ND	0.2
2,4-Dinitrotoluene	121-14-2	ND	0.2
2,6-Dinitrotoluene	606-20-2	ND	0.2
Di-n-octylphthalate	117-84-0	ND	0.2
Fluoranthene	206-44-0	ND	0.2
Fluorene	86-73-7	ND	0.2
Hexachlorobenzene	118-74-1	ND	0.2
Hexachlorocyclopentadiene	87-68-3	ND	0.2
Hexachlorocyclopentadiene	77-47-4	ND	2
Hexachloroethane	67-72-1	ND	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.2
Isophorone	78-59-1	ND	0.2
2-Methyl naphthalene	91-57-6	ND	0.2
Naphthalene	91-20-3	ND	0.2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (15-16)	Date Sampled: 07/08/97
Lab Number: 9707085-03A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Base/Neutral Extractables (Continued)</u>			
2-Nitroaniline	88-74-4	ND	1
3-Nitroaniline	99-09-2	ND	1
4-Nitroaniline	100-01-6	ND	1
Nitrobenzene	98-95-3	ND	0.2
N-Nitrosodiphenylamine	86-30-6	ND	0.2
N-Nitrosodi-n-propylamine	621-64-7	ND	0.2
Phenanthrene	85-01-8	ND	0.2
Pyrene	129-00-0	ND	0.2
1,2,4-Trichlorobenzene	120-82-1	ND	0.2

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
2-Fluorobiphenyl	321-60-8	80	30 - 115
2-Fluorophenol	367-12-4	61	25 - 121
Nitrobenzene-d5	4165-60-0	74	23 - 120
Phenol-d5	13127-88-3	67	24 - 113
Terphenyl-d14	98904-43-9	99	18 - 137
2,4,6-Tribromophenol	118-79-6	49	19 - 122

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.



Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Clayton Project No. 97070.85

Sample Identification: NFGP-5 (5.5-6.5)	Date Sampled: 07/08/97
Lab Number: 9707085-04A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
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Acid Extractables

4-Chloro-3-methylphenol	59-50-7	ND	2
2-Chlorophenol	95-57-8	ND	2
2,4-Dichlorophenol	120-83-2	ND	2
2,4-Dimethylphenol	105-67-9	ND	2
2,4-Dinitrophenol	51-28-5	ND	10
2-Methyl-4,6-dinitrophenol	534-52-1	ND	10
2-Methylphenol	95-48-7	ND	2
4-Methylphenol	106-44-5	ND	2
2-Nitrophenol	88-75-5	ND	2
4-Nitrophenol	100-02-7	ND	10
Pentachlorophenol	87-86-5	ND	10
Phenol	108-95-2	ND	2
2,4,5-Trichlorophenol	95-95-4	ND	2
2,4,6-Trichlorophenol	88-06-2	ND	2

Base/Neutral Extractables

Acenaphthene	83-32-9	ND	2
Acenaphthylene	208-96-8	ND	2
Anthracene	120-12-7	ND	2
Benzidine	92-87-5	ND	50
Benzoic acid	65-85-0	ND	8
Benzo(a)anthracene	56-55-3	ND	2
Benzo(b)fluoranthene	205-99-2	ND	2
Benzo(k)fluoranthene	207-08-9	ND	2
Benzo(ghi)perylene	191-24-2	ND	2
Benzo(a)pyrene	50-32-8	ND	2
Benzyl alcohol	100-51-6	ND	4
Benzyl butyl phthalate	85-68-7	ND	2
Bis(2-chloroethoxy)methane	111-91-1	ND	2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-5 (5.5-6.5)	Date Sampled: 07/08/97
Lab Number: 9707085-04A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Base/Neutral Extractables (Continued)</u>			
Bis(2-chloroethyl) ether	111-44-4	ND	2
Bis(2-chloroisopropyl) ether	108-60-1	ND	2
Bis(2-ethylhexyl) phthalate	117-81-7	40	20
4-Bromophenyl phenyl ether	101-55-3	ND	2
4-Chloroaniline	106-47-8	ND	10
2-Chloronaphthalene	91-58-7	ND	2
4-Chlorophenyl phenyl ether	7005-72-3	ND	2
Chrysene	218-01-9	ND	2
Dibenzo (a, h) anthracene	53-70-3	ND	2
Dibenzofuran	132-64-9	ND	2
Di-n-butylphthalate	84-74-2	ND	2
1,2-Dichlorobenzene	95-50-1	ND	2
1,3-Dichlorobenzene	541-73-1	ND	2
1,4-Dichlorobenzene	106-46-7	ND	2
3,3'-Dichlorobenzidine	91-94-1	ND	50
Diethylphthalate	84-66-2	ND	2
Dimethylphthalate	131-11-3	ND	2
2,4-Dinitrotoluene	121-14-2	ND	2
2,6-Dinitrotoluene	606-20-2	ND	2
Di-n-octylphthalate	117-84-0	ND	2
Fluoranthene	206-44-0	ND	2
Fluorene	86-73-7	ND	2
Hexachlorobenzene	118-74-1	ND	2
Hexachlorobutadiene	87-68-3	ND	2
Hexachlorocyclopentadiene	77-47-4	ND	20
Hexachloroethane	67-72-1	ND	2
Indeno (1,2,3-cd) pyrene	193-39-5	ND	2
Isophorone	78-59-1	ND	2
2-Methyl naphthalene	91-57-6	ND	2
Naphthalene	91-20-3	ND	2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-5 (5.5-6.5)	Date Sampled: 07/08/97
Lab Number: 9707085-04A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/25/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
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Base/Neutral Extractables (Continued)

2-Nitroaniline	88-74-4	ND	10
3-Nitroaniline	99-09-2	ND	10
4-Nitroaniline	100-01-6	ND	10
Nitrobenzene	98-95-3	ND	2
N-Nitrosodiphenylamine	86-30-6	ND	2
N-Nitrosodi-n-propylamine	621-64-7	ND	2
Phenanthrene	85-01-8	ND	2
Pyrene	129-00-0	ND	2
1,2,4-Trichlorobenzene	120-82-1	ND	2

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
2-Fluorobiphenyl	321-60-8	66	30 - 115
2-Fluorophenol	367-12-4	66	25 - 121
Nitrobenzene-d5	4165-60-0	47	23 - 120
Phenol-d5	13127-88-3	34	24 - 113
Terphenyl-d14	98904-43-9	69	18 - 137
2,4,6-Tribromophenol	118-79-6	28	19 - 122

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.  
Note: Detection limits increased due to matrix interference.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: METHOD BLANK  
Lab Number: 9707085-07A  
Sample Matrix/Media: SOIL  
Extraction Method: EPA 3550  
Method Reference: EPA 8270B

Date Sampled: --  
Date Received: --  
Date Extracted: 07/18/97  
Date Analyzed: 07/24/97  
Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Acid Extractables</u>			
4-Chloro-3-methylphenol	59-50-7	ND	0.2
2-Chlorophenol	95-57-8	ND	0.2
2,4-Dichlorophenol	120-83-2	ND	0.2
2,4-Dimethylphenol	105-67-9	ND	0.2
2,4-Dinitrophenol	51-28-5	ND	1
2-Methyl-4,6-dinitrophenol	534-52-1	ND	1
2-Methylphenol	95-48-7	ND	0.2
4-Methylphenol	106-44-5	ND	0.2
2-Nitrophenol	88-75-5	ND	0.2
4-Nitrophenol	100-02-7	ND	1
Pentachlorophenol	87-86-5	ND	1
Phenol	108-95-2	ND	0.2
2,4,5-Trichlorophenol	95-95-4	ND	0.2
2,4,6-Trichlorophenol	88-06-2	ND	0.2
<u>Base/Neutral Extractables</u>			
Acenaphthene	83-32-9	ND	0.2
Acenaphthylene	208-96-8	ND	0.2
Anthracene	120-12-7	ND	0.2
Benzidine	92-87-5	ND	5
Benzoic acid	65-85-0	ND	0.8
Benzo(a)anthracene	56-55-3	ND	0.2
Benzo(b)fluoranthene	205-99-2	ND	0.2
Benzo(k)fluoranthene	207-08-9	ND	0.2
Benzo(ghi)perylene	191-24-2	ND	0.2
Benzo(a)pyrene	50-32-8	ND	0.2
Benzyl alcohol	100-51-6	ND	0.4
Benzyl butyl phthalate	85-68-7	ND	0.2
Bis(2-chloroethoxy)methane	111-91-1	ND	0.2

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9707085-07A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	07/18/97
Extraction Method:	EPA 3550	Date Analyzed:	07/24/97
Method Reference:	EPA 8270B	Analyst:	GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Base/Neutral Extractables (Continued)</u>			
Bis(2-chloroethyl)ether	111-44-4	ND	0.2
Bis(2-chloroisopropyl)ether	108-60-1	ND	0.2
Bis(2-ethylhexyl)phthalate	117-81-7	ND	2
4-Bromophenyl phenyl ether	101-55-3	ND	0.2
4-Chloroaniline	106-47-8	ND	1
2-Chloronaphthalene	91-58-7	ND	0.2
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.2
Chrysene	218-01-9	ND	0.2
Dibenzo(a,h)anthracene	53-70-3	ND	0.2
Dibenzofuran	132-64-9	ND	0.2
Di-n-butylphthalate	84-74-2	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.2
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.2
3,3'-Dichlorobenzidine	91-94-1	ND	5
Diethylphthalate	84-66-2	ND	0.2
Dimethylphthalate	131-11-3	ND	0.2
2,4-Dinitrotoluene	121-14-2	ND	0.2
2,6-Dinitrotoluene	606-20-2	ND	0.2
Di-n-octylphthalate	117-84-0	ND	0.2
Fluoranthene	206-44-0	ND	0.2
Fluorene	86-73-7	ND	0.2
Hexachlorobenzene	118-74-1	ND	0.2
Hexachlorobutadiene	87-68-3	ND	0.2
Hexachlorocyclopentadiene	77-47-4	ND	2
Hexachloroethane	67-72-1	ND	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.2
Isophorone	78-59-1	ND	0.2
2-Methyl naphthalene	91-57-6	ND	0.2
Naphthalene	91-20-3	ND	0.2

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9707085-07A	Date Received: --
Sample Matrix/Media: SOIL	Date Extracted: 07/18/97
Extraction Method: EPA 3550	Date Analyzed: 07/24/97
Method Reference: EPA 8270B	Analyst: GTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>Base/Neutral Extractables (Continued)</u>			
2-Nitroaniline	88-74-4	ND	1
3-Nitroaniline	99-09-2	ND	1
4-Nitroaniline	100-01-6	ND	1
Nitrobenzene	98-95-3	ND	0.2
N-Nitrosodiphenylamine	86-30-6	ND	0.2
N-Nitrosodi-n-propylamine	621-64-7	ND	0.2
Phenanthrene	85-01-8	ND	0.2
Pyrene	129-00-0	ND	0.2
1,2,4-Trichlorobenzene	120-82-1	ND	0.2

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
2-Fluorobiphenyl	321-60-8	88	30 - 115
2-Fluorophenol	367-12-4	81	25 - 121
Nitrobenzene-d5	4165-60-0	90	23 - 120
Phenol-d5	13127-88-3	88	24 - 113
Terphenyl-d14	98904-43-9	110	18 - 137
2,4,6-Tribromophenol	118-79-6	55	19 - 122

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Clayton Project No. 97070.85

Sample Identification: NFGP-4 (0-4.0)	Date Sampled: 07/08/97
Lab Number: 9707085-01A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Prepared: 07/10/97
Preparation Method: EPA 5030	Date Analyzed: 07/15/97
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
MTBE	--	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	115	50 - 150

ND: Not detected at or above limit of detection  
 ---: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (11.5-12.0)	Date Sampled: 07/08/97
Lab Number: 9707085-02A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Prepared: 07/08/97
Preparation Method: EPA 5030	Date Analyzed: 07/09/97
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
MTBE	--	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	124	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.



Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (15-16)	Date Sampled: 07/08/97
Lab Number: 9707085-03A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Prepared: 07/08/97
Preparation Method: EPA 5030	Date Analyzed: 07/09/97
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
MTBE	--	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	107	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Clayton Project No. 97070.85

Sample Identification: NFGP-5 (5.5-6.5)	Date Sampled: 07/08/97
Lab Number: 9707085-04A	Date Received: 07/08/97
Sample Matrix/Media: SOIL	Date Prepared: 07/08/97
Preparation Method: EPA 5030	Date Analyzed: 07/09/97
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
MTBE	--	ND	0.05
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	115	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9707085-07A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	07/08/97
Preparation Method:	EPA 5030	Date Analyzed:	07/08/97
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
MTBE	--	ND	0.05

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a, a, a-Trifluorotoluene	98-08-8	110	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification:	NFGP-1	Date Sampled:	07/08/97
Lab Number:	9707085-05A	Date Received:	07/08/97
Sample Matrix/Media:	WATER	Date Prepared:	07/08/97
Preparation Method:	EPA 5030	Date Analyzed:	07/08/97
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	160	40
Ethylbenzene	100-41-4	2900	30
Toluene	108-88-3	40	30
o-Xylene	95-47-6	ND	40
p,m-Xylenes	--	5100	40
Gasoline	--	170000	5000
MTBE	--	ND	500

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	107	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification:	TRIP BLANK (HCL)	Date Sampled:	--
Lab Number:	9707085-06A	Date Received:	07/08/97
Sample Matrix/Media:	WATER	Date Prepared:	07/09/97
Preparation Method:	EPA 5030	Date Analyzed:	07/09/97
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
MTBE	--	ND	5
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	100	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9707085-08A	Date Received: --
Sample Matrix/Media: WATER	Date Prepared: 07/08/97
Preparation Method: EPA 5030	Date Analyzed: 07/08/97
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
MTBE	--	ND	5
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	106	50 - 150

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (0-4.0)  
 Lab Number: 9707085-01  
 Sample Matrix/Media: SOIL

Date Sampled: 07/08/97  
 Date Received: 07/08/97

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	3	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Arsenic	5	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Barium	140	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Beryllium	0.3	0.1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cadmium	2.1	0.4	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Chromium	37	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cobalt	12	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Copper	630	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Lead	130	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Mercury	0.1	0.1	mg/kg	07/09/97	07/09/97	EPA 7471A	EPA 7471A
Molybdenum	1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Nickel	29	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Thallium	4	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Total Oil and Grease	3100	30	mg/kg	07/14/97	07/15/97	SM 5520E	SM 5520C
Vanadium	36	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Zinc	160	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (11.5-12.0)  
 Lab Number: 9707085-02  
 Sample Matrix/Media: SOIL

Date Sampled: 07/08/97  
 Date Received: 07/08/97

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	2	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Arsenic	6	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Barium	160	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Beryllium	0.4	0.1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Chromium	42	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cobalt	12	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Copper	22	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Lead	6	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/09/97	07/09/97	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Nickel	54	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Thallium	3	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Total Oil and Grease	43	30	mg/kg	07/14/97	07/15/97	SM 5520E	SM 5520C
Vanadium	37	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Zinc	51	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Results are reported on a wet-weight basis, as received.



Analytical Results  
 for  
 Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-4 (15-16)  
 Lab Number: 9707085-03  
 Sample Matrix/Media: SOIL

Date Sampled: 07/08/97  
 Date Received: 07/08/97

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Arsenic	4	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Barium	75	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Beryllium	0.2	0.1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Chromium	23	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cobalt	8	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Copper	10	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Lead	4	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/09/97	07/09/97	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Nickel	27	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Thallium	2	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Total Oil and Grease	36	30	mg/kg	07/14/97	07/15/97	SM 5520E	SM 5520C
Vanadium	23	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Zinc	29	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: NFGP-5 (5.5-6.5)  
Lab Number: 9707085-04  
Sample Matrix/Media: SOIL

Date Sampled: 07/08/97  
Date Received: 07/08/97

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Arsenic	4	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Barium	110	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Beryllium	0.3	0.1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Chromium	30	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cobalt	9	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Copper	14	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Lead	8	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Mercury	0.1	0.1	mg/kg	07/09/97	07/09/97	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Nickel	36	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Thallium	2	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Total Oil and Grease	4300	30	mg/kg	07/14/97	07/15/97	SM 5520E	SM 5520C
Vanadium	28	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Zinc	38	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Capsule Environmental Engineering, Inc.

Clayton Project No. 97070.85

Sample Identification: METHOD BLANK  
Lab Number: 9707085-07  
Sample Matrix/Media: SOIL

Date Sampled: --  
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Arsenic	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Barium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Chromium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Cobalt	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Copper	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/09/97	07/09/97	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Nickel	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Thallium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Total Oil and Grease	ND	30	mg/kg	07/14/97	07/15/97	SM 5520E	SM 5520C
Vanadium	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A
Zinc	<1	1	mg/kg	07/10/97	07/10/97	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

# Clayton

ENVIRONMENTAL  
CONSULTANTS

## REQUEST FOR LAB ANALYTICAL SER

or Mike Uehewitz

ATTN: John Mc Dermott  
570-483-7287

FAX

IMPORTANT

For Clayton Use Only  
Clayton Lab Project No.

9707085

Date Results Requested: \_\_\_\_\_  
 Rush Charges Authorized?  Yes  No  
 Phone or  Fax Results

**REPORT RESULTS TO**

Name John Mc Dermott Client  
 Company Capitol Envir. Engr. Dept  
 Mailing Address 1970 Parkcrest Avenue  
 City, State, Zip St. Paul, MN 55113  
 Telephone No. (612) 636-2644 FAX No. \_\_\_\_\_

**SEND INVOICE TO**

Purchase Order No. \_\_\_\_\_  
 Name John Mc Dermott  
 Company Capitol Envir. Engr. Dept. \_\_\_\_\_  
 Address 1970 Parkcrest Avenue  
 City, State, Zip St. Paul MN 55113

Special instructions and/or specific regulatory requirements:  
 (method, limit of detection, etc.)  
rush for BETA/GAS/MTBE < 4 1/2  
in soil samples only

\* Explanation of Preservative: B = HCl

Samples are:  
 (check if applicable)

Drinking Water  
 Groundwater  
 Wastewater

**ANALYSIS REQUESTED**  
 (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added \*)

Number of Containers	TPH's MTBE's	TPH-D	BOD	DEG (550)	SVOC CA MTBE's	FOR LAB USE ONLY
----------------------	-----------------	-------	-----	-----------	----------------------	------------------

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)
NFGP-4 (0-40)	7/8/97	-	Soil	plastic tube
NFGP-4 (11.5-12.0)	7/8/97		Soil	
NFGP-4 (15-16)	7/8/97		Soil	
NFGP-5 (5.5-6.5)	7/8/97		Soil	v
NFGP-1	7/8/97		water of 40ml	2
Trip blank			water of 40ml	1

1	X	X	X	X	X	- 01A
1	X	X	X	X	X	- 02
1	X	X	X	X	X	- 03v
1	X	X	X	X	X	- 04A
2	X	X	X			- 05A,B
1	X					- 06A

**CHAIN OF CUSTODY**

Collected by: John Mc Dermott (print)  
 Relinquished by: \_\_\_\_\_ Date/Time 7/8/97  
 Relinquished by: \_\_\_\_\_ Date/Time \_\_\_\_\_  
 Method of Shipment: \_\_\_\_\_

Authorized by: \_\_\_\_\_ Date \_\_\_\_\_  
 (Client Signature MUST Accompany Request)

Collector's Signature: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date/Time \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date/Time \_\_\_\_\_  
 Received at Lab by: Chester Allen Date/Time 7/8/97 12:30  
 Sample Condition Upon Receipt:  Acceptable  Other (explain)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

<b>Detroit Regional Lab</b> 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655	<b>Atlanta Regional Lab</b> 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	<b>San Francisco Regional Lab</b> 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (510) 426-2657 FAX (510) 426-0106	<b>Seattle Regional Lab</b> 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189
--	---	---	--

**DISTRIBUTION:**  
 White = Clayton Laboratory  
 Yellow = Clayton Accounting  
 Pink = Client Copy

11/95 20K

San Francisco Regional Office

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

August 8, 1997

Mr. John McDermitt  
CAPSULE ENVIRONMENTAL ENGINEERING, INC.  
1970 Oakcrest Avenue  
St. Paul, MN 55113


ADDITIONAL REQUEST  
Client Ref.: NONE  
Clayton Project No.: 97070.85

Dear Mr. McDermitt:

Attached is our additional analytical laboratory report for the samples received on July 8, 1997 and originally reported on July 28, 1997. As requested on August 6, 1997, samples NFGP-4 (0-4.0) and NFGP-5 (5.5-6.5) were analyzed for hydrocarbons by SM 5520F.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,

  
Harriotte A. Hurley, CIH  
Director, Laboratory Services  
San Francisco Regional Office

HAH/las

Attachments

Analytical Results  
for  
Capsule Environmental Engineering, Inc.  
Clayton Project No. 97070.85

Sample Identification: See Below  
 Lab Number: 9707085  
 Sample Matrix/Media: SOIL  
 Extraction Method: SM 5520E  
 Method Reference: SM 5520F

Date Received: 07/08/97  
 Date Extracted: 07/14/97  
 Date Analyzed: 07/15/97

Lab Number	Sample Identification	Date Sampled	Hydrocarbons (mg/kg)	Method Detection Limit (mg/kg)
-01	NFGP-4 (0-4.0)	07/08/97	1300	30
-04	NFGP-5 (5.5-6.5)	07/08/97	1700	30
-07	METHOD BLANK	--	ND	30

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable