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PRELIMINARY SITE INVESTIGATION REPORT
ANGELES CHEMICAL
SANTA FE SPRINGS, CALIFORNIA

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January 1991

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SCS ENGINEERS

January 23, 1991
File No. 0185016.01

Hazardous Materials Underground Storage
County of Los Angeles - Department of
Public Works
Waste Management Division
900 South Fremont Avenue
Alhambra, California 91803-1331

Subject: Preliminary Site Investigation for Angeles Chemical, Santa Fe Springs, California - DPW File Number I-10173-3E

Dear Sir:

Enclosed are two copies of the preliminary site investigation for the subject site. The investigation was requested by your department under the Hazardous Materials Underground Storage Leak Detection Program.

In you have any questions, please feel free to contact either of the undersigned.

Very truly yours,

Daniel Roeser

Daniel Roeser
Geologist

Kenneth H. Lister
Project Manager
SCS ENGINEERS

Enclosures

cc: John Locke, Angeles Chemical

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DISCLAIMER

This report has been specifically prepared for Angeles Chemical, with specific application to a preliminary site investigation for the property located at 8915 Sorenson Avenue, Santa Fe Springs, California. This report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, either expressed or implied, is made as to the professional advice presented herein.

PRELIMINARY SITE INVESTIGATION
ANGELES CHEMICAL
SANTA FE SPRINGS, CALIFORNIA

INTRODUCTION

Angeles Chemical retained SCS Engineers (SCS) to conduct an underground tank investigation program at Angeles Chemical, Santa Fe Springs, California (Figure 1). The purpose of this project was to test subsurface soils in the vicinity of the facility as a permitting requirement of the Los Angeles Department of Public Works. Current inventory control measures and tank integrity testing have not identified any leaks in the 34 underground storage tanks.

SURROUNDING LAND USE

All sites immediately adjacent to the subject site are zoned for and occupied by industrial facilities. Several of these properties have been identified on regulatory lists as having potential or identified environmental problems.

The property located immediately to the south of the subject site, McKesson Chemical Company, 9005 Sorenson Avenue, Santa Fe Springs, California, is listed on the California Department of Health Services' (DHS) Bond Expenditure Plan (BEP). Information obtained from DHS indicates that McKesson Chemical Company is in the process of completing a remedial investigation for this site. The remedial investigation report is anticipated to be available to the public in March 1991.

Preliminary investigations for McKesson Chemical Company, which are currently available at DHS's Burbank office, were reviewed in August 1990. These investigations indicated that chemicals formerly stored in on-site above and underground storage tanks were detected in a perched aquifer at 22 feet (possibly a seasonal water table) and in soils in the vicinity of the above ground tanks. Chemicals stored in the above ground tanks at McKesson included: ethylene glycol, propylene glycol, glycol ether, ethylbenzene, 1,1,1-trichloroethene, methylene chloride, and tetrachloroethene (PERC).

Liquid Air at 8832 Dice Road, Santa Fe Springs, California is located immediately west of the subject site. Water and residues from acetylene production were observed in a unlined pit on this property. The pit is adjacent to and could pos-

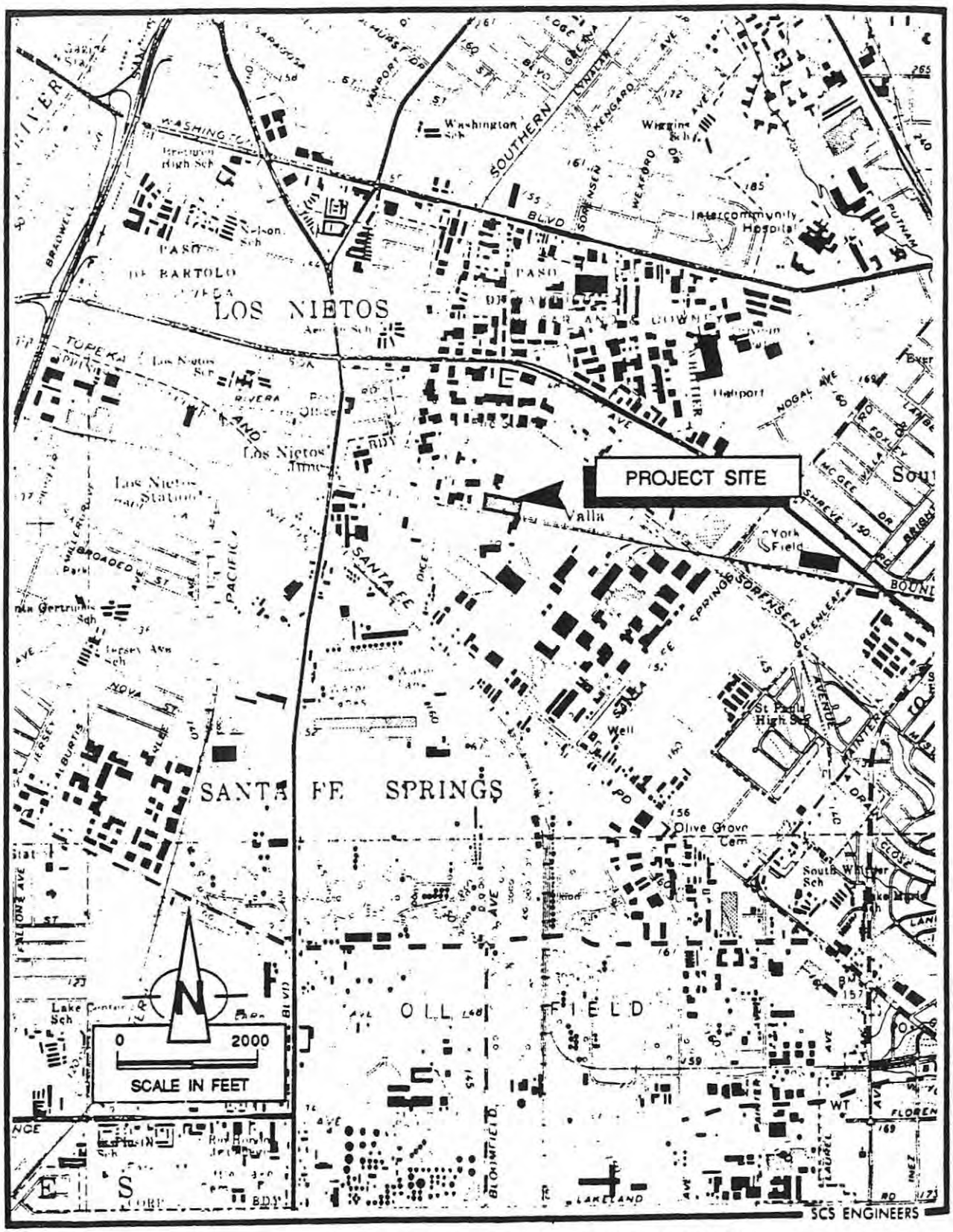

Figure 1. Map Showing Location of Project Site.

sibly influence ground water underneath the subject site. Inquiry to the California Regional Water Quality Control Board indicated that Liquid Air does not have a waste discharge permit.

REGIONAL GEOLOGY AND HYDROGEOLOGY

Angeles Chemical is located in the Los Angeles Coastal Plain at an elevation of approximately 150 feet above mean sea level. The nearest major fault zones are the Whittier Fault Zone located about 3.5 miles to the northeast and the Newport-Inglewood Fault Zone approximately 11 miles southwest.

Surficial sediments (to a depth of about 30 feet) consist of Holocene stream and flood deposits composed of interbedded gravel, sand, silt, and clay. Sediments underlying these belong to the Lakewood Formation of Pleistocene age. These also consist of interbedded gravels, sands, and silts deposited in a fluvial system. Distinguishing between these two units is difficult, if not impossible, in this area.

The site lies within the Central Basin Pressure area, a division of the Central Ground Water Basin which extends over most of the Coastal Plain. First regional ground water in the region is found in the Gage Aquifer within the Lakewood Formation which is approximately 45 feet below grade in the vicinity of the subject site. This ground water is of poor quality and is not potable. Ground water typically flows to the southwest in the Gage Aquifer.

ON-SITE INVESTIGATIONS

Drilling and Sample Collection - January 18, 1990

Eight soil borings (BH1 through BH8) were drilled to depths of 20, 20, 20, 23, 50, 20, and 20 feet. Boring locations are shown in Figure 2. Soil Samples were retrieved at five foot intervals as described in the approved work plan for the investigation (Work Plan dated April 23, 1986 with modifications listed in SCS letter dated March 14, 1989).

Soil samples were obtained by placing 3-inch and 6-inch long stainless steel or brass sample sleeves inside a Modified California Sampler. The sampler was then driven into the soil ahead of the hollow stem auger using a 140 pound slide hammer. Each time the sampler was retrieved, a representative sample from the lowermost intact sample sleeve was removed, covered with aluminum foil, sealed on both ends with tight-fitting plastic end caps, and secured with electrical tape.

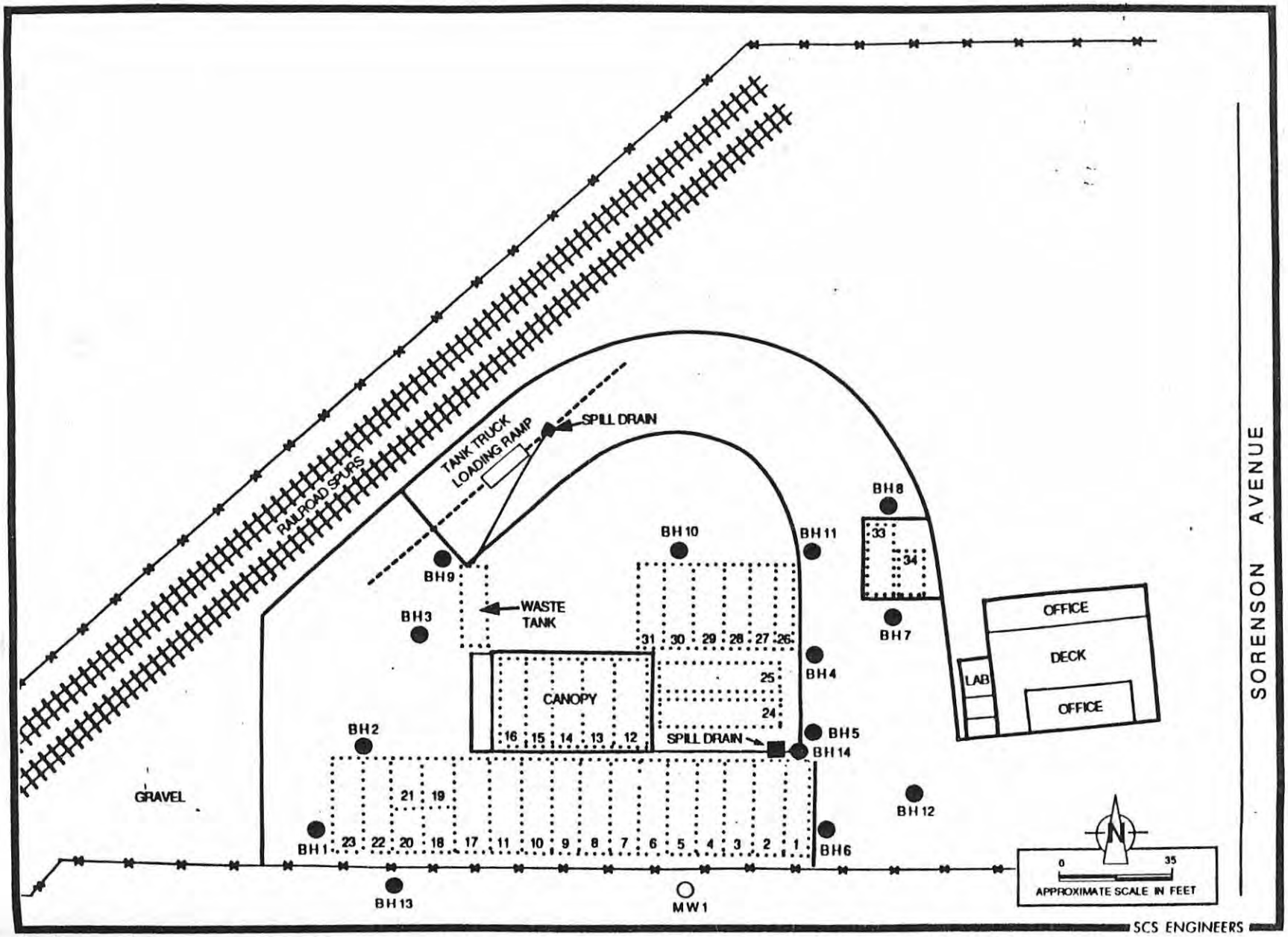

Figure 2. Approximate Locations of Soil Borings and Ground Water Well at

Each sample was identified with a chain-of-custody sample tag and placed in a refrigerated cooler for transport to the SCS Analytical Laboratory. Chain-of-custody forms were appropriately completed by our field geologist to ensure proper and accurate tracking/analysis in the laboratory. Specific data regarding project number, sample location, and analyses to be performed were recorded on the chain-of-custody forms.

Sample Collection - April 5, 1990

Based on field observations and analytical results for samples collected in boring BH6, further on-site investigation was recommended in the vicinity of a spill drain, which is located near the southeast corner of the tank farm. On April 5, 1990, concrete approximately eight inches thick adjacent to the concrete spill drain was cut and removed in order to expose the surrounding soils. Soils consisted of black and brown sandy clays, with strong hydrocarbon odors. OVA readings ranged from 400 to 700 parts per million (ppm). Due to the spill drain's proximity to the underground storag tanks, further safe excavation was not possible. Therefore, further exploration by drilling was recommended.

Drilling and Soil Sample Collection - June 25-26, 1990

Seven exploratory borings were drilled from June 25-26, 1990 One of these borings (MW1) was converted to a ground water monitoring well on June 26, 1990; this and the others (BH9 through BH14) are shown on Figure 2. Borings drilled on June 25, 1990 were installed with a 7 inch hollow stem auger to depths of 30, 20.5, 35, 34 and 40 feet. These borings were drilled using a Mobile B-47 drill rig. Soil samples were collected at five feet intervals.

On June 26, 1990, borings MW1 and BH14 were drilled to depths of 60 feet and 40 feet, respectively. Boring MW1 was drilled utilizing 11-inch hollow stem auger. BH14 was drilled using a 7-inch hollow stem auger. These borings were drilled using a Mobile B-61 drill rig. Soil samples were collected at five foot intervals, and were retrieved and logged using the same procedure described above.

Well Installation

One ground water monitoring well was constructed on-site in borehole MW1 using 4-inch diameter Schedule 40 PVC well pipe. Casing sections were joined using flush-set, threaded pipe connections; no glue connections were used.

Factory slotted 4-inch diameter PVC casing with 0.020-inch

slots was placed at the bottom of the well, with blank 4-inch diameter PVC pipe above. A flush-mounted, threaded end cap was placed on the bottom of the 15 foot perforated section. The top of the perforated zone extended approximately 5 feet above the existing water level in order to accommodate the anticipated seasonal water level fluctuations at the site.

During installation, the 4-inch PVC pipe was set inside the auger in order to prevent caving of the hole prior to installation of the casing. The annular space surrounding the well screen was filled with a filter pack (Montery Sand No.3) to about 3 feet above the top of the screened interval and capped off with a bentonite seal (3 feet thick). The sand was slowly poured into the annular space between the PVC pipe and the steel casing to prevent bridging.

Upon completion of the installation of the filter pack and bentonite seal, the augers were removed from the boring. The balance of the annular space surrounding the blank casing was filled with a cement/bentonite slurry to about 1 foot below grade. The top of the well was cemented and set with a locking field monument cover to prevent surface water intrusion.

Well logs for this site showing well construction details and sediment encountered during installation are provided in Appendix A.

Well Development

In order to obtain maximum well life and to assure representative samples of ground water, the monitoring well was developed by surging and bailing to remove the finer material from the formation and filter pack surrounding the well until it produced clean water (i.e. water with no observable fine material).

Wells were surged on June 27, 1990 by H-F Drilling. Each well was initially bailed using a large diameter bailer to remove sediment from the well. Bailing was followed by surging with a cylindrical surge block for about 30 minutes. Surging loosens the finer materials within the formation and pulls it into the well casing, where it can be removed from the well.

Approximately 110 gallons (over 9 well volumes) of water were removed from MW1. All of the ground water produced during the well development operations was stored in 55 gallon drums.

Equipment used in well development was decontaminated by

washing thoroughly in a TSP and water solution and rinsing in distilled water, or was steamed cleaned, prior to its use in the well.

Water Sampling

After development, 45 additional gallons of water (approximately 4 casings volumes) were purged from the well and ph, electroconductivity, and temperature were measured in order to verify that a representative water sample from the formation was obtained. After field readings had stabilized, ground water was collected from the well by lowering a 3-inch stainless steel sampler into the well. Samples and duplicates were placed in 40 ml sample bottles supplied by the laboratory. Immediately upon collection, samples were labelled and logged. Chain-of-custody documentation was completed for each sample. Samples were stored in a field cooler until their delivery to the SCS Analytical Laboratory in Long Beach, California.

All sampling equipment coming in contact with ground water was thoroughly cleaned prior to and after sampling by washing with in a TSP solution and double rinsing with distilled water.

ON-SITE GEOLOGY AND HYDROGEOLOGY

Soils encountered on the north side of the site to a depth of approximately 18 feet consisted of silts, clayey silts, and silty sands. Below 18 feet, soils consisted of medium to coarse grained sands and gravel. On the south portion of the site soils consisted of silts and silty sands to a depth of approximately 18 feet. Below this there was a thin layer of medium to coarse sands approximately five feet thick. Below this layer of medium to coarse sands, finer sediment such as clays, silts, and sandy silts were encountered to a depth of approximately 45 feet. Medium-grained and medium to coarse grained layers of sand were encountered from 45 feet to 60 feet (total depth for borehole MW1).

Based on observation of soils and depths to ground water within the borings it appears that there may be a separate perched water table on the north side of the subject site. Ground water was encountered on the northern portion of the subject site at a depth of approximately 32 feet during the drilling activities in June 1990. Water on the southwestern portion of the property was encountered at depths of approximately 45 feet. This deeper ground water is believed to be in the Gage aquifer.

The regional groundwater flow direction for this area is generally to the southwest. No site-specific information is available to determine the flow direction of ground water in the potential perched aquifer or the Gage aquifer underlying the site.

ANALYTICAL RESULTS

Subsurface Soil Samples

Of the 84 subsurface soil samples retrieved from the exploratory borings, 60 were selected for analysis. Samples were selected based on the presence of odors and staining. The remaining samples were archived for possible later analysis. Selected samples were analyzed for volatile organic compounds as determined using EPA Method 8240.

The laboratory results and chain-of-custody documentation for soil samples collected from the site are presented in Appendix B. A summary of the results are presented in Tables 1 and 2.

Fourteen different volatile compounds were found in the subsurface soils. These compounds include: acetone, benzene, 2-butanone (methyl ethyl ketone [MEK]), 1,1 dichloroethane (1,1-DCA), 1,1 dichloroethene (1,1-DCE), ethlybenzene, methylene chloride, 4-methyl-2-pentanone (methyl isobutyl ketone [MIBK]), tetrachloroethene (PERC), toluene, 1,1,1-trichloroethane (1,1-TCA), trichloroethene (TCE), and xylenes.

Acetone was only detected during the subsurface sampling conducted in June 1990. Acetone was detected at concentrations ranging from 55,000 ug/kg (parts per billion - ppb) in sample BH14-35 to 85 ug/kg in sample MW1-35. Benzene was detected at concentrations ranging from 15,000 ug/kg in sample BH14-35 to 11 ug/kg in sample BH6-15. MEK was detected at concentrations ranging from 29,000 ug/kg in sample BH14-10 to 40 ug/kg in sample BH6-10. 1,1-DCA was detected at concentrations ranging from 310 ug/kg in sample BH6-40 to 18 ug/kg in sample BH7-10. 1,1-DCE was detected at concentrations ranging from 680 ug/kg in BH6-45 to 21 ug/kg in sample BH7-10. Ethylbenzene was detected at concentrations ranging from 45,000 in sample BH14-5 to 13 ug/kg in BH6-20.

Methylene Chloride was also only detected in samples collected and analyzed in June and July 1990. Methylene chloride was detected at concentrations ranging from 10,000 ug/kg in sample MW1-30 to 300 ug/kg in BH13-40. MIBK was detected

TABLE 1. SUMMARY OF ANALYTICAL RESULTS FOR ORGANIC COMPOUNDS - JANUARY 1990

Sample	Benzene	1,1-DCA	1,1-DCE	EB	MEK	MIBK	PERC	Toluene	1,1,1-TCA	TCE	Xylene
	(ug/kg)										
BH1-5	--	--	--	--	--	--	--	--	--	--	--
BH1-10	--	--	--	--	--	--	--	--	--	--	--
BH1-15	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND
BH1-20	ND	ND	ND	ND	200	180	16	21	18	ND	12
BH2-5	--	--	--	--	--	--	--	--	--	--	--
BH2-10	21	76	29	87	ND	ND	210	250	91	40	412
BH2-15	ND	ND	ND	ND	ND	60	ND	12	ND	ND	ND
BH2-20	--	--	--	--	--	--	--	--	--	--	--
BH3-5	ND	62	ND	62	ND	230	120	440	19	10	450
BH3-10	ND	ND	ND	ND	ND	ND	ND	160	ND	ND	70
BH3015	ND	ND	ND	ND	110	370	ND	28	ND	ND	ND
BH3-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH4-5	ND	98	ND	ND	ND	ND	ND	150	65	ND	ND
BH4-10	--	--	--	--	--	--	--	--	--	--	--
BH4-15	ND	ND	ND	ND	ND	ND	ND	33	39	ND	ND
BH4-20	ND	ND	ND	ND	ND	980	ND	ND	ND	ND	ND
BH5-5	ND	ND	ND	42	1800	2100	ND	160	ND	ND	177
BH5-10	ND	ND	ND	53	640	2100	30	360	30	ND	163
BH5-15	ND	ND	ND	ND	600	1300	ND	35	ND	ND	15
BH5-20	ND	ND	ND	ND	300	600	ND	12	ND	ND	ND
BH6-5	ND	ND	ND	71	110	120	ND	>700	ND	16	340
BH6-10	ND	ND	ND	ND	40	120	ND	40	ND	ND	13
BH6-15	11	25	ND	220	1300	1900	330	1900	230	60	>2300
BH6-20	ND	ND	ND	13	240	600	26	150	29	ND	67
BH6-25	ND	ND	ND	ND	110	450	ND	32	ND	ND	10
BH6-30	ND	240	ND	260	1000	2000	750	870	45	ND	1650
BH6-35	16	39	ND	ND	200	620	ND	26	ND	ND	12
BH6-40	160	310	270	220	1200	2300	150	820	720	33	530
BH6-45	160	180	680	1100	750	2200	940	1600	900	87	2570
BH6-50	67	56	31	39	ND	1200	10	65	18	ND	123
BH7-5	--	--	--	--	--	--	--	--	--	--	--
BH7-10	120	18	21	ND	ND	ND	20	20	11	ND	13
BH7-15	46	ND	ND	ND	ND	ND	ND	ND	71	ND	ND
BH7-20	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND
BH8-5	--	--	--	--	--	--	--	--	--	--	--
BH8-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH8-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH8-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1. Refer to Figure 2 for sample locations.
2. EB = ethylbenzene, MEK = 2-butanone, MIBK = 4-methyl-2-pentanone, PERC = tetrachloroethene
   1,1,1-TCA = 1,1,1-trichloroethane, TCE = trichloroethene.
3. ND = not detected.

TABLE 2. SUMMARY OF ANALYTICAL RESULTS FOR ORGANIC COMPOUNDS - JUNE 1990

Borehole	Acetone	Benzene	MEK	1,1-DCA	1,1-DCE	EB	MethChlo	MIBK	PERC	Toluene	1,1,1-TCA	TCE
	(ug/kg)											
BH9-5	550	ND	120	30	ND	37	460	450	37	410	56	20
BH9-15	ND	ND	ND	24	ND	32	730	ND	ND	190	ND	ND
BH9-25	380	ND	390	ND	ND	ND	ND	170	ND	ND	ND	ND
BH10-10	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH10-20	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH11-25	1300	ND	ND	ND	ND	ND	ND	ND	ND	59	ND	ND
BH11-30	ND	ND	500	ND	210	11000	ND	ND	ND	10000	1200	76
BH11-35	ND	ND	ND	81	130	1400	ND	700	330	1900	1000	ND
BH12-10	27000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH12-20	8600	ND	ND	ND	ND	ND	ND	54	ND	ND	ND	ND
BH13-15	6900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH13-30	1300	ND	ND	ND	ND	ND	ND	ND	90	ND	210	ND
BH13-40	11000	ND	530	ND	160	ND	300	150	230	98	280	120
BH14-5	ND	ND	ND	ND	ND	45000	ND	ND	ND	67000	ND	8700
BH14-10	41000	ND	29000	ND	ND	ND	ND	ND	ND	98000	ND	8400
BH14-15	ND	ND	ND	ND	ND	9300	ND	ND	8900	27000	2300	ND
BH14-20	50000	ND	ND	ND	ND	44000	ND	ND	48000	150000	28000	ND
BH14-25	39000	ND	ND	ND	ND	17000	ND	ND	19000	37000	ND	ND
BH14-30	31000	10000	ND	ND	ND	ND	7800	9300	ND	3300	ND	ND
BH14-35	55000	15000	ND	ND	ND	ND	ND	6300	ND	1600	ND	ND
BH14-40	ND	ND	ND	ND	ND	3600	ND	ND	1400	2400	1800	ND
MW1-10	21000	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND
MW1-15	7900	ND	ND	21	92	ND	ND	ND	49	ND	150	ND
MW1-20	8400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW1-25	430	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW1-30	15000	ND	ND	240	ND	2200	10000	ND	6300	330	3500	270
MW1-35	85	16	ND	39	ND	ND	6800	ND	ND	ND	ND	180
MW1-40	15000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Soil Sample												
S-1	ND	ND	ND	ND	ND	>210000	ND	ND	32000	>220000	6400	9900
S-2	ND	ND	ND	ND	ND	94000	ND	ND	33000	120000	ND	5100
Water Sample	(ug/l)											
MW1-1	--	10	--	21	270	ND	ND	--	100	10	120	210
MCLs	--	1	--	5	6	680	NA	--	5	100	200	5

Notes:

1. Refer to Figure 2 for sample locations.
2. EB = ethylbenzene, MEK = 2-butanone, MIBK = 4-methyl-2-pentanone, PERC = tetrachloroehtene 1,1,1-TCA = 1,1,1-trichloroethane, TCE = trichloroethene.
3. ND = not detected.
4. NA = not applicable.
5. MCLs = Maximum Contaminant Levels as established in California Code of Regulations Title 22.
6. trans-1,2-dichloroethene was also detected in the water sample at a concentration of 240 ug/l (MCL = 10 ug/l).

at concentrations ranging form 9,300 ug/kg in sample BH14-15 to 54 ug/kg in sample BH12-20. PERC was detected at concentrations ranging from 48,000 ug/kg in sample BH14-20 to 10 ug/kg in sample BH6-50.

Toluene was detected at concentrations ranging from 150,000 ug/kg in sample BH14-20 to 12 ug/kg in samples BH2-15 and BH5-20. 1,1,1-TCA was detected at concentrations ranging from 28,000 ug/kg in BH14-20 to 11 ug/kg in BH7-10. TCE was detected at concentrations ranging from 8,700 ug/kg in sample BH14-5 to 10 ug/kg in sample BH3-5. Xylene was detected at concentrations ranging from 233,000 ug/kg in sample BH14-5 to 10 ug/kg in sample BH6-5.

Grab Samples

Grab samples S-1 and S-2, collected near a broken pipeline, which was connected to the spill drain, contained elevated concentrations of ethylbenzene, PERC, toluene, 1,1,1-TCA, TCE, and xylene.

Ethylbenzene was detected at concentrations of greater than 210,000 ug/kg, and at 94,000 ug/kg in samples S-1 and S-2, respectively. PERC was detected at concentrations of 33,000 ug/kg and 32,000 ug/kg in samples S-2 and S-1, respectively. Toluene was detected at concentrations of greater than 220,000 ug/kg and 120,000 ug/kg in samples S-1 and S-2, Respectively. 1,1,1-TCA was detected at a concentration of 6,400 ug/kg in sample S-1. TCE was detected at concentrations of 9,900 ug/kg and 5,100 ug/kg in samples S-1 and S-2, respectively. Xylene was detected at concentrations of greater than 540,000 ug/kg, and at 264,000 ug/kg in samples S-1 and S-2, respectively.

In addition, sample S-2 contained a concentration of 99 mg/kg (parts per million-ppm) of total petroleum hydrocarbons (TPH) as determined using EPA Method 418.1.

Ground Water Samples

Ground water sample MW1-1, collected from MW1, was analyzed for EPA 624 components volatile organic compounds (VOCs). Analytical reports are contained in Appendix B and Table 2.

The following EPA 624 compounds were detected in the ground water sample analyzed (MW1-1): benzene, 1,1-DCA, 1,1-DCE, PERC, toluene, 1,1,1-TCA, TCE, and xylene. Benzene was detected at a concentration of 10 ug/l. 1,1-DCA and 1,1-DCE were detected at concentrations of 21 ug/l and 270 ug/l,

respectively. PERC and toluene were detected at concentrations of 100 ug/l and 10 ug/l, respectively. 1,1,1-TCA and TCE were detected at concentrations of 120 ug/l and 210 ug/l, respectively. Xylene was detected at a concentration of 18 ug/l.

SUMMARY AND CONCLUSIONS

Subsurface Soils

Results of this investigation indicate that elevated concentrations of VOCs exist in subsurface soils in the vicinity of the underground storage tank farm, primarily in the vicinity of a spill drain located in the east central portion of the site. Based on field observations and analytical data, it appeared that the highest concentrations of contaminants were present near a broken pipeline which was connected to this spill drain.

Elevated levels of ethylbenzene, PERC, toluene, and xylene were detected in the grab samples which were retrieved in the vicinity of the broken pipeline. Samples collected to a depth of 40 feet in BH14, which was drilled adjacent to the broken pipe line, also contained the most elevated concentrations of VOCs. Contaminants identified at a depth of 40 feet were an order of magnitude smaller than those identified near the surface.

BH6, which was drilled approximately 22 feet southeast of the broken pipe at the spill drain, contained the next most elevated levels of contaminants. Borings BH1, BH2, BH3, and BH9, drilled to depths of 20 or 25 feet near the western portion of the property did not contain significant levels of contamination.

In addition, borings BH7 and BH8 drilled adjacent to the underground fuel storage tanks (Tanks 33 and 34) also did not contain any significant levels of contamination. With the exception of borings drilled in the vicinity of the broken pipeline at the spill drain, borings drilled to a depth of 20 feet on the subject site did not show any significant levels of contamination in the soil.

Based on this information, and the fact that recent tank integrity tests and inventory records have not identified any leaking underground storage tanks, it appears that the broken line near the spill drain, was the source for the contamination identified in soils near the southeast corner of the tank farm. The purpose of this piping remains unknown. The

piping was plugged with concrete where it penetrates the spill drain.

Ground Water

Elevated levels of VOCs were also detected in sample MW1-1. Benzene, 1,1-DCA, 1,1-DCE, PERC, TCE, and trans-1,2-DCE were all detected at concentrations considerably above their respective maximum contaminant level (MCL). In addition, toluene, 1,1,1-TCA and xylene were detected at concentrations below their respective MCL or state recommended action level (AL).

With water level data from one well it is not possible to determine the direction of ground water flow beneath the subject site or whether ground water contaminants may have migrated from on-site or off-site sources. In addition, due to the variances in lithologies and depth to ground water encountered on-site, it appears that both a perched aquifer and the Gage aquifer were encountered during drilling. Based on present information it is not possible to determine if the two aquifers are hydraulically connected.

In addition, it is unknown what affect discharged water in the unlined pit at Liquid Air Products have on the ground water and soils beneath the subject site. Water discharged to the ground may alter ground water levels and flow direction. The chemistry of the discharged water is also unknown.

RECOMMENDATIONS

Additional ground water investigation is recommended for the subject site. Prior to such an investigation, SCS recommends review of the remedial investigation for the McKesson site, which will be available in March 1991. Information obtained from the McKesson remedial investigation would be beneficial for planning further investigative work at the subject site.

After review of this information, it is recommended that a work plan be prepared describing further ground water monitoring. This report is to be submitted to the lead regulatory agency.

APPENDIX A

SOIL BORING LOGS

BORING LOG

SCS ENGINEERS
Environmental Engineers
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Long Beach, CA
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(213) [illegible]
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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: CHRIS
DRILL RIG: B-47
DRILLING METHOD: HSA

HOLE / WELL #: BH 1
DIAMETER: 8"
TOTAL DEPTH: 20'
DATE STARTED: JANUARY 18, 1990
DATE COMPLETED: JANUARY 18, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 1

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
						SURFACE - ASPHALT 2"
0		ASPHALT PATCH				
1						
2						
3		BENTONITE				
4						
5			9641	4,8,12	ML	5' - BROWN SILT, MEDIUM DENSE, SLIGHTLY MOIST, NO ODOR
6						
7						
8						
9						
10		NATIVE SOIL	9642	10,17,26	ML	10' - RED - BROWN SANDY SILT, MEDIUM DENSE, SLIGHTLY MOIST, NO ODOR
11						
12						
13						
14						
15			9643	9,13,19	ML	15' - SAME AS 10'
16						
17						
18						
19						
20			9644	22,22,35	ML / SW	20' - GRAY - TAN FINE - COARSE GRAINED SAND, LOOSE, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 40 ppm

TD = 20 FEET

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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: CHRIS
DRILL RIG: B-47
DRILLING METHOD: HSA

HOLE / WELL #: BH 1
DIAMETER: 8"
TOTAL DEPTH: 20'
DATE STARTED: JANUARY 18, 1990
DATE COMPLETED: JANUARY 18, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 1

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
						SURFACE - ASPHALT 2"
0		ASPHALT PATCH				
1						
2						
3		BENTONITE				
4						
5			9641	4,8,12	ML	5' - BROWN SILT, MEDIUM DENSE, SLIGHTLY MOIST, NO ODOR
6						
7						
8						
9						
10		NATIVE SOIL	9642	10,17,26	ML	10' - RED - BROWN SANDY SILT, MEDIUM DENSE, SLIGHTLY MOIST, NO ODOR
11						
12						
13						
14						
15			9643	9,13,19	ML	15' - SAME AS 10'
16						
17						
18						
19						
20		TD = 20 FEET	9644	22,22,35	ML - SW	20' - GRAY - TAN FINE - COARSE GRAINED SAND, LOOSE, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 40 ppm

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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: CHRIS
DRILL RIG: B-47
DRILLING METHOD: HSA

HOLE / WELL #: BH 2
DIAMETER: 8"
TOTAL DEPTH: 20'
DATE STARTED: JANUARY 18, 1990
DATE COMPLETED: JANUARY 18, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 1

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
						SURFACE - ASPHALT 2"
0		ASPHALT PATCH				
1		BENTONITE				NOTE: DARK BROWN SANDY SILT, HYDROCARBON ODOR OFF FLIGHTS AT 1", Hnu = 10 ppm
2						
3						
4						
5			9645	4,7,9	ML	5' - BROWN SILT, MEDIUM DENSE, SLIGHTLY MOIST, HYDROCARBON ODOR, Hnu = 90 PPM NOTE: Hnu = 15 ppm AT TOP OF AUGER
6						
7						
8						
9						
10		NATIVE SOIL	9646	8,10,15	ML	10' - RED - BROWN FINE GRAINED SANDY SILT, MEDIUM DENSE, SLIGHTLY MOIST, SLIGHT HYDROCARBON ODOR, Hnu = 25 ppm
11						
12						
13						
14						
15			9647	13,17,30	SM	15' - BROWN SILTY FINE GRAINED SAND WITH PEBBLES, MEDIUM DENSE, SLIGHTLY MOIST, SLIGHT HYDROCARBON ODOR, Hnu = 40 ppm
16						
17						
18						
19						
20		TD = 20 FEET	9648	14,22,44	SM / SW	20' - BROWN - TAN FINE - COARSE GRAINED SAND, WITH GRAVEL, LOOSE, SLIGHTLY MOIST, HYDROCARBON ODOR, Hnu = 10 ppm

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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: CHRIS
DRILL RIG: B-47
DRILLING METHOD: HSA

HOLE / WELL #: BH 3
DIAMETER: 8"
TOTAL DEPTH: 20'
DATE STARTED: JANUARY 18, 1990
DATE COMPLETED: JANUARY 18, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 1

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
						SURFACE - ASPHALT 2"
0		ASPHALT PATCH				
1						NOTE: DARK BROWN "LUMPY" SILT, STRONG HYDROCARBON ODOR, MOIST, Hnu = 140 ppm AT 1'
2						
3		BENTONITE				
4						NOTE: 40 ppm IN ANGER AT 5'
5			9649	4,8,13	ML	5' - BROWN SILT, MEDIUM DENSE, SLIGHTLY MOIST, HYDROCARBON ODOR, Hnu = 41 ppm
6						
7						
8						
9						
10		NATIVE SOIL	9650	11,15,17	ML / SM	10' - RED BROWN SILTY FINE GRAINED SAND, MEDIUM DENSE, SLIGHTLY MOIST, HYDROCARBON ODOR IN DRIVE SHOE, Hnu = 144 ppm
11						
12						
13						
14						
15			9651	5,9,23	ML / SW	15' - RED BROWN SANDY SILT, MEDIUM DENSE, SLIGHTLY MOIST, HYDROCARBON ODOR
16						NOTE: 16' - TAN - WHITE FINE - COARSE GRAINED SAND WITH PEBBLES, MEDIUM DENSE, SLIGHTLY MOIST, HYDROCARBON ODOR
17						
18						NOTE: TAILINGS FROM APPROXIMATELY 17', Hnu = 140 ppm
19						
20		TD = 20 FEET	9652	7,36,12	SM / SW	20' - TAN - BROWN FINE - COARSE GRAINED SAND, MEDIUM DENSE, SLIGHTLY MOIST, HYDROCARBON ODOR, Hnu = 40 ppm

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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: CHRIS
DRILL RIG: B-47
DRILLING METHOD: HSA

HOLE / WELL #: BH 4
DIAMETER: 8"
TOTAL DEPTH: 20'
DATE STARTED: JANUARY 18, 1990
DATE COMPLETED: JANUARY 18, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 1

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
						SURFACE - ASPHALT 2"
0		ASPHALT PATCH				
1						
2		BENTONITE				
3						
4						
5			9653	3,5,5	ML	5' - BROWN SANDY SILT, MEDIUM DENSE, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 15 ppm
6						
7						
8						
9						
10		NATIVE SOIL	9654	4,9,10	ML	10' - SAME AS 5' Hnu = 6 ppm
11						
12						
13						
14						
15			9655	6,6,11	ML	15' - SAME AS 5' Hnu = 4 ppm
16						
17						NOTE: 19' - REDDISH - BROWN FINE TO COARSE GRAINED SAND, MEDIUM DENSE, SLIGHTLY MOIST
18						
19						
20		TD = 20 FEET	9656	14,21,43	SW	20' - GRAY - WHITE FINE TO COARSE GRAINED SAND, MEDIUM DENSE, SLIGHTLY MOIST, HYDROCARBON ODOR, Hnu = 140 ppm

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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: CHRIS
DRILL RIG: B-47
DRILLING METHOD: HSA

HOLE / WELL #: BH 5
DIAMETER: 8"
TOTAL DEPTH: 23'
DATE STARTED: JANUARY 18, 1990
DATE COMPLETED: JANUARY 18, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
						SURFACE - ASPHALT 2"
0		ASPHALT PATCH				
1						
2		BENTONITE				
3						
4						
5			9657	4,7,5	ML	5' - GREEN - GRAY SILT, MEDIUM DENSE, SLIGHTLY MOIST, STRONG HYDROCARBON ODOR, Hnu = 90 ppm
6						
7						
8						
9						
10		NATIVE SOIL	9658	13,19,24	ML	10' - GREEN - GRAY SILT, GRADING INTO - A RED BROWN SANDY SILT, MEDIUM DENSE, SLIGHTLY MOIST, STRONG HYDROCARBON ODOR, Hnu = 190 ppm
11						
12						
13						
14						
15			9659	7,11,21	SM	15' - RED - BROWN FINE - MEDIUM GRAINED SAND, MEDIUM DENSE, SLIGHTLY MOIST, STRONG HYDROCARBON ODOR, Hnu = 210 ppm
16						
17						
18						
19					SM / SW	20' - GRAY - WHITE FINE - COARSE GRAINED SAND, LOOSE, SLIGHTLY MOIST, STRONG HYDROCARBON ODOR, Hnu = 240 ppm
20			9660	18,24,50		

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PROJECT : ANGELES CHEMICAL
JOB NUMBER: 0185016.01

HOLE / WELL # : BH 5
PAGE : 2 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
21		NATIVE SOIL				
		BENTONITE				
23		TD = 23 FEET			SW	23 ' - STRONG ODOR FROM TOP OF AUGER, Hnu = 240 ppm
25						

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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: CHRIS
DRILL RIG: B-47
DRILLING METHOD: HSA

HOLE / WELL #: BH 6
DIAMETER: 8"
TOTAL DEPTH: 50'
DATE STARTED: JANUARY 18, 1990
DATE COMPLETED: JANUARY 18, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 3

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
						SURFACE - ASPHALT 2"
0		ASPHALT PATCH				
1						
2						
3		BENTONITE				
4						
5			9661	3,7,4	ML	5' - GRAY SILT, LOOSE, SLIGHTLY MOIST, HYDROCARBON ODOR, Hnu = 60 ppm
6						
7						
8						
9					ML / SW	
10		NATIVE SOIL	9662	3,4,9		10' - GRAY - WHITE FINE - COARSE GRAINED SAND, LOOSE, SLIGHTLY MOIST, STRONG ODOR, Hnu = 400 ppm
11						
12						
13						
14						14' - GREEN - GRAY SILTY SAND
15			9663	7,19,38	SM / SW	15' - GRAY FINE - COARSE GRAINED SAND, MEDIUM DENSE, SLIGHTLY MOIST, STRONG HYDROCARBON ODOR, Hnu = 300 ppm
16						
17						
18						
19						
20			9664	17,36,50	SW	20' - GRAY - WHITE MEDIUM TO COARSE GRAINED SAND WITH PEBBLES, LOOSE, SLIGHTLY MOIST, Hnu = 130 ppm

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PROJECT : ANGELES CHEMICAL
JOB NUMBER: 0185016.01

HOLE / WELL # : BH 6
PAGE : 2 OF 3

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL		SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
21							
25				9665	27,42,46	SW	25 ' - TAN - WHITE MEDIUM TO COARSE GRAINED SANDS, WITH PEBBLES AND COBBLES, MEDIUM DENSE, SLIGHTLY MOIST, Hnu = 90 ppm
30			NATIVE SOIL	9666	17,34,40	ML	30 ' - GREEN BROWN CLAYEY SILT, DENSE, SLIGHTLY MOIST, Hnu = 2 ppm
35				9667	28,34,55	ML / SP	34 ' - SAME AS 30 ' 35 ' - GREEN GRAY FINE GRAINED SAND, MEDIUM DENSE, SLIGHTLY MOIST, Hnu = 200 ppm
40				9668	22,20,27	ML	40 ' - GREEN - BROWN SILT, MEDIUM DENSE, SLIGHTLY MOIST, Hnu = 120 ppm
45				9669	15,20,35	ML	45 ' - BROWN SANDY SILT, MEDIUM DENSE, SLIGHTLY MOIST, Hnu = 140 ppm

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PROJECT : ANGELES CHEMICAL

JOB NUMBER: 0185016.01

HOLE / WELL # : BH 6

PAGE : 3 OF 3

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
45		NATIVE SOIL				
		BENTONITE				
50		TD = 50 FEET	9670	23,40,50	ML	50 ' - BROWN SANDY SILT, DENSE, SLIGHTLY MOIST, Hnu = 180 ppm

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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: CHRIS
DRILL RIG: B-47
DRILLING METHOD: HSA

HOLE / WELL #: BH 7
DIAMETER: 8"
TOTAL DEPTH: 20'
DATE STARTED: JANUARY 18, 1990
DATE COMPLETED: JANUARY 18, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 1

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
0		ASPHALT PATCH				SURFACE - ASPHALT 2", 1" CRUSHED ROCK
1						
2						
3						
4		BENTONITE				
5			9674	3,8,6	ML	5' - BROWN SANDY SILT, LOOSE, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 11 ppm
6						
7						
8						
9						
10		NATIVE SOIL	9672	6,6,8	ML	10' - SAME AS 5' SLIGHT ODOR, Hnu = 20 ppm
11						
12						
13						
14						
15			9673	8,12,15	ML	15' - BROWN SANDY CLAYEY SILT, MEDIUM DENSE, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 5 ppm
16						
17						
18						
19						
20		TD = 20 FEET	9674	4,23,42	ML / SW	20' - TAN - WHITE FINE - COARSE SAND, LOOSE, SLIGHTLY MOIST, SLIGHT HYDROCARBON ODOR, Hnu = 20 ppm

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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: CHRIS
DRILL RIG: B-47
DRILLING METHOD: HSA

HOLE / WELL #: BH 8
DIAMETER: 8"
TOTAL DEPTH: 20'
DATE STARTED: JANUARY 18, 1990
DATE COMPLETED: JANUARY 18, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
						SURFACE - ASPHALT 2"
0		ASPHALT PATCH				
1						
2						
3						
4		BENTONITE				
5			9675	4,6,8	ML	5' - BROWN SANDY SILT, LOOSE, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 10 ppm
6						
7						
8						
9						
10		NATIVE SOIL	9676	5,12,17	ML	10' - SAME AS ABOVE, NO ODOR, Hnu = 5 ppm
11						
12						
13						
14						
15			9677	8,17,16	SM	15' - RED BROWN SILTY FINE - MEDIUM GRAINED SAND, MEDIUM DENSE, SLIGHTLY MOIST, NO ODOR, Hnu = 5 ppm
16						
17						
18						
19						
20			9678	15,28,50 FOR 5"	SM / SW	20' - TAN - WHITE MEDIUM - COARSE GRAINED SAND WITH PEBBLES AND COBBLES, LOOSE, SLIGHTLY MOIST, HYDROCARBON ODOR, Hnu = 80 ppm

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PROJECT : ANGELES CHEMICAL

JOB NUMBER: 0185016.01

HOLE / WELL # : BH 6

PAGE : 2 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
21		NATIVE SOIL				
25		BENTONITE	9679	28,39,47	SW	25' - SAME AS 20' Hnu = 35 ppm
		TD = 26 FEET				
30						

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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS, CALIFORNIA
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: JOHN, H - F DRILLING
DRILL RIG: B - 47
DRILLING METHOD: HSA

HOLE / WELL #: BH 9
DIAMETER: 7"
TOTAL DEPTH: 30'
DATE STARTED: JUNE 25, 1990
DATE COMPLETED: JUNE 25, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
0		ASPHALT PATCH				SURFACE - ASPHALT
1						
2		BENTONITE HOLE PLUG				2 - 4' - SOILS OFF AUGER FLIGHTS HAVE VERY STRONG ODOR, Hnu = 200 ppm
3						
4						
5			11501	6,9,14	ML	5' - LIGHT BROWN SANDY SILT, MEDIUM DENSE, SLIGHTLY MOIST, MODERATE HYDROCARBON ODOR, Hnu = 490 ppm (IN DRIVE SHOE)
6						
7						
8						
9						
10		NATIVE SOIL	11502	6,9,9	SM	10' - RED - BROWN SILTY SAND, LOOSE, SLIGHTLY MOIST, SLIGHT HYDROCARBON ODOR, Hnu = 150 ppm
11						
12					SM	12' - SAME AS 10' Hnu = 200 ppm
13						
14						
15			11504	11,25,33	SP	15' - RED - BROWN FINE GRAINED SAND WITH MINOR SILTS AND GRAVEL, MEDIUM DENSE, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 180 ppm
16						
17						
18						
19						
20			11505	21,26,30	SP	20' - GRAY - BROWN FINE GRAINED SAND WITH COBBLES, MEDIUM DENSE, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 190 ppm

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PROJECT : ANGELES CHEMICAL

JOB NUMBER: 0185016.01

HOLE / WELL # : BH 9

PAGE : 2 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
21						
		NATIVE SOIL				
25			11506	27,50 FOR 3"	SW	25' - LIGHT BROWN FINE - LARGE GRAINED SAND WITH GRAVEL AND COBBLES, LOOSE, SLIGHTLY MOIST, HYDROCARBON ODOR, Hnu = 500 ppm
					GP	26.5' - GRAVEL - SAND MIXTURE
		BENTONITE HOLE PLUG				
30			11507	20,27,35	SP	30' - BROWN FINE TO MEDIUM GRAINED SAND, MEDIUM DENSE, SATURATED, SLIGHT ODOR, Hnu = 130 ppm
						GROUND WATER ENCOUNTERED AT 29'
						TD = 30'
35						
40						
45						

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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS, CALIFORNIA
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: JOHN, H - F DRILLING
DRILL RIG: B - 47
DRILLING METHOD: HSA

HOLE / WELL #: BH 10
DIAMETER: 7"
TOTAL DEPTH: 20.5'
DATE STARTED: JUNE 25, 1990
DATE COMPLETED: JUNE 25, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 1

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
0		ASPHALT PATCH				SURFACE - ASPHALT
1						
2		BENTONITE HOLE PLUG				2 - 4' - Hnu = 3 - 5 ppm MEASURING SOILS FROM AUGER FLIGHTS
3						
4						
5			11508	3,5,7	ML	5' - BROWN SANDY SILT, LOOSE, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 70 ppm
6						
7						
8						
9						
10		NATIVE SOIL	11509	8,14,19	SM	10' - GRAY AND RED - BROWN SILTY FINE GRAINED SAND, MEDIUM DENSE, SLIGHTLY MOIST, NO ODOR, Hnu = 25 ppm
11						
12						
13						
14						
15			11510	4,6,8	SM	15' - SAME AS 10' WITH SOME MEDIUM GRAINED SAND, NO ODOR, Hnu = 0 ppm
16						
17						
18						20' - TAN FINE TO LARGE GRAINED SAND WITH GRAVEL AND COBBLES, LOOSE, SLIGHTLY MOIST, STRONG ODOR, Hnu = 520 ppm
19		BENTONITE HOLE PLUG				TD = 20.5'
20			11511	20,34,50 FOR 5"	SW	GROUND WATER NOT ENCOUNTERED

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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS, CALIFORNIA
JOB NUMBER: 01B5016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: JOHN, H - F DRILLING
DRILL RIG: B - 47
DRILLING METHOD: HSA

HOLE / WELL #: BH 11
DIAMETER: 7"
TOTAL DEPTH: 35'
DATE STARTED: JUNE 25, 1990
DATE COMPLETED: JUNE 25, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
0		ASPHALT PATCH				SURFACE - ASPHALT
1						
2		BENTONITE HOLE PLUG				
3						
4						
5			11512	5,6,10	ML	5' - BROWN SANDY SILT, LOOSE, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 17 ppm
6						
7						
8						
9						
10		NATIVE SOIL	11513	10,17,21	ML	10' - BROWN SANDY SILT, LOOSE, SLIGHTLY MOIST, NO ODOR, Hnu = 7 ppm
11						
12						
13						
14						
15			11515	12,12,12	SM	15' - RED - BROWN SILTY SAND, MEDIUM DENSE, SLIGHTLY MOIST, NO ODOR, Hnu = 25 ppm
16						
17						
18						
19						20' - GRAY - TAN FINE TO LARGE GRAINED SAND WITH GRAVEL LOOSE, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 80 ppm
20			11516	12,29,40	SW	

BORING LOG

PROJECT : ANGELES CHEMICAL

JOB NUMBER: 0185016.01

HOLE / WELL # : BH 11

PAGE : 2 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
21						
25		NATIVE SOIL	11517	50,100 FOR 12"	GP	25' - GRAY - TAN SANDY GRAVEL. LOOSE, SLIGHTLY MOIST, STRONG ODOR, Hnu = 300 ppm
30		BENTONITE HOLE PLUG	11518	60,114 FOR 12"	SP	30' - BLACK AND WHITE MEDIUM GRAINED SAND WITH SOME GRAVEL. SLIGHTLY MOIST, LOOSE, STRONG SOLVENT ODOR, Hnu = 1300 ppm
35			11519	60,75	SP	35' - DARK GRAY FINE TO MEDIUM GRAY SAND, LOOSE, SATURATED, STRONG SOLVENT ODOR, Hnu = 1300 ppm GROUND WATER ENCOUNTERED AT 32' TD = 35'
40						
45						

BORING LOG

SCS ENGINEERS
Environmental Consultants
[illegible]
Long Beach, CA
[illegible]
[illegible]
Fax [illegible]

PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS, CALIFORNIA
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: JOHN, H - F DRILLING
DRILL RIG: B - 47
DRILLING METHOD: HSA

HOLE / WELL #: BH 12
DIAMETER: 7"
TOTAL DEPTH: 34'
DATE STARTED: JUNE 25, 1990
DATE COMPLETED: JUNE 25, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
		ASPHALT PATCH				SURFACE - ASPHALT
0						
1						
2		BENTONITE HOLE PLUG				
3						
4						
5			11520	9,12,16	ML	5' - BROWN SANDY SILT, MEDIUM DENSE, SLIGHTLY MOIST, NO ODOR, Hnu = 20 ppm
6						
7						
8						
9						
10		NATIVE SOIL	11521	6,9,12	SM	10' - BROWN - RED SILTY SAND, LOOSE, SLIGHTLY MOIST, NO ODOR, Hnu = 5 ppm
11						
12						
13						
14						
15			11522	6,9,15	SM	15' - RED - BROWN SILTY SAND, MEDIUM DENSE, SLIGHTLY MOIST, NO ODOR, Hnu = 2 ppm
16						
17						
18					SM	
19					SW	
20			11523	30,40,50		20' - TAN FINE TO MEDIUM GRAINED SAND, LOOSE, SLIGHTLY MOIST, SOLVENT ODOR, Hnu = 275 ppm

BORING LOG

PROJECT : ANGELES CHEMICAL
JOB NUMBER: 0185016.01

HOLE / WELL # : BH 12
PAGE : 2 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
21						
25		NATIVE SOIL				
30		BENTONITE HOLE PLUG				
					▼	NOTE: 32' - FINE TO MEDIUM GRAINED SANDS, VERY STRONG ODOR, Hnu = 800 ppm
						GROUND WATER ENCOUNTERED AT 32'
35		TD = 34'				
40						
45						

BORING LOG

SCS ENGINEERS
Environmental Consultants
2711 Long Beach Blvd.
Ninth Floor
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90807 - 2015
(213) 426 - 9544
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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS, CALIFORNIA
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: JOHN, H - F, DRILLING
DRILL RIG: 9 - 47
DRILLING METHOD: HSA

HOLE / WELL #: BH 13
DIAMETER: 7"
TOTAL DEPTH: 40'
DATE STARTED: JUNE 25, 1990
DATE COMPLETED: JUNE 25, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
0						SURFACE - DRY SILTY SAND
1		NATIVE SOIL				
2						
3		BENTONITE HOLE PLUG				
4						
5				4,6,7	ML	5' - BROWN SANDY SILT, LOOSE, SLIGHTLY MOIST, NO ODOR
6						
7						
8						
9						
10		NATIVE SOIL	11525	6,7,7	SM	10' - RED - BROWN SILTY SAND, LOOSE, SLIGHTLY MOIST, NO ODOR, Hnu = 25 ppm
11						
12						
13						
14						
15			11526	7,20,10	SM	15' - DARK GRAY - RED SILTY FINE - MEDIUM GRAINED SAND, MEDIUM DENSE, MOIST, NO ODOR, Hnu = 45 ppm
16						
17						
18					SM / SW	
19						
20			11527	30,70		20' - TAN MEDIUM TO LARGE GRAINED SAND, LOOSE, SLIGHTLY MOIST, Hnu = 60 ppm

BORING LOG

PROJECT : ANGELES CHEMICAL
JOB NUMBER: 0185016.01

HOLE / WELL # : BH 13
PAGE : 2 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
21						
25			11528	24,30,35	SM	25 ' - DARK GRAY - BROWN FINE GRAINED SILTY SAND, DENSE, SLIGHTLY MOIST, SOLVENT ODOR, Hnu = 20 ppm
30		NATIVE SOIL	11529	17,20,22	SM	30 ' - SAME AS 25 ', SLIGHT ODOR, Hnu 15 ppm
35			11530	16,24,34	SM	35 ' - SAME AS 25 ' EXCEPT VERY MOIST, NO ODOR, Hnu = 10 ppm
40		BENTONITE HOLE PLUG	11531	15,22,2	ML	40 ' - GRAY TO BROWN SANDY SILT, MEDIUM DENSE, VERY MOIST, SOLVENT ODOR, HNU = 60 PPM
						TD = 40 '
						GROUND WATER NOT ENCOUNTERED
45						

BORING LOG

SCS ENGINEERS
Environmental Consultants
2711 Long Beach Blvd.
Ninth Floor
Long Beach, CA
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(213) [illegible]
FAX (213) [illegible]

PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS, CALIFORNIA
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: JOHN, H. F. DRILLING
DRILL RIG: B-61
DRILLING METHOD: HSA

HOLE / WELL #: BH 14
DIAMETER: 7"
TOTAL DEPTH: 40'
DATE STARTED: JUNE 26, 1990
DATE COMPLETED: JUNE 26, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
0		ASPHALT PATCH				SURFACE - 6" CONCRETE
1						CUTTINGS AT 1 - 2', Hnu > 2000 ppm
2						
3		BENTONITE HOLE PLUG			CL	3.5' - BLACK SILTY CLAY
4					SW	
5			11541	2,2,3		5' - GRAY FINE TO LARGE GRAINED SAND WITH GRAVEL, LOOSE, SLIGHTLY MOIST, Hnu > 2000 ppm
6						
7						
8						
9						
10		NATIVE SOIL	11542	2,2,3	SW	10' - SAME AS 5' Hnu > 2000 ppm
11						
12						
13						
14						
15			11543	12,12,12	ML	15' - GRAY - BROWN SANDY SILT WITH CLAY, FIRM, SLIGHTLY MOIST, Hnu > 2000 ppm
16						
17						
18						
19						
20			11544	22,30,35	SW	20' - GRAY MEDIUM TO LARGE GRAINED SANDS WITH COBBLES, LOOSE, SLIGHTLY MOIST, Hnu = 1750 ppm

BORING LOG

PROJECT : ANGELES CHEMICAL
JOB NUMBER: 0185016.01

HOLE / WELL # : BH 14
PAGE : 2 OF 2

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
21						
25			11545	40,55	SW	25 ' -SAME AS 20 ' Hnu = 1600 ppm
30		NATIVE SOIL	11546	5,9,16	ML	30 ' - BROWN - GRAY CLAYEY SILT, STIFF, MOIST, Hnu > 2000 ppm
35			11547	13,20,32	ML	35 ' - GRAY - BROWN SANDY SILT, DENSE, MOIST, Hnu = 1850 ppm
40		BENTONITE HOLE PLUG	11548	12,17,26	ML	40 ' - GRAY - BROWN SANDY SILT, DENSE, MOIST, Hnu = 1500 ppm
		TD = 40 '				GROUND WATER NOT ENCOUNTERED
45						

BORING LOG

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(213) 428 - 6344
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PROJECT: ANGELES CHEMICAL
LOCATION: SANTA FE SPRINGS, CALIFORNIA
JOB NUMBER: 0185016.01
GEOLOGIST / ENGINEER: D. ROESER
DRILLER: JOHN, H - F DRILLING
DRILL RIG: B - 61
DRILLING METHOD: HSA

HOLE / WELL #: MW 1
DIAMETER: 11"
TOTAL DEPTH: 60'
DATE STARTED: JUNE 26, 1990
DATE COMPLETED: JUNE 26, 1990
SAMPLING DEVICE: MODIFIED CALIFORNIA SPLIT SPOON
PAGE: 1 OF 3

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
0		2" PVC SLIP LAP; MONUMENT COVER				SURFACE - LIGHT BROWN SILTY SAND, VERY DRY NOTE: VEGETATION PRIMARILY TALL GRASS
1		READY MIX CONCRETE				
2						
3						
4						
5			11532	6,8,10	ML	5' - BROWN SANDY SILT, LOOSE, SLIGHTLY MOIST, NO ODOR, Hnu = 2 ppm
6						
7		4" SCHEDULE 40 PVC PIPE				
8						
9						
10		GROUT CEMENT BENTONITE POWDER MIX	11533	3,4,4	SM	10' - GRAY - BROWN SILTY SAND, VERY LOOSE, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 250 ppm
11						
12						
13						
14						
15			11534	6,6,10	SM	15' - BROWN SILTY FINE GRAINED SAND WITH MINOR MEDIUM TO LARGE GRAINED SANDS, LOOSE, MOIST, SLIGHT ODOR, Hnu = 250 ppm
16						
17						
18						
19						20' - TAN MEDIUM TO LARGE GRAINED SAND WITH GRAVEL, LOOSE, SLIGHTLY MOIST TO MOIST, NO ODOR, Hnu = 250 ppm
20			11535	14,20,27	SW	

BORING

PROJECT : ANGELES CHEMICAL

JOB NUMBER: 0185016.01

HOLE / WELL # : MW 1

PAGE : 2 OF 3

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
21					SW / CL	
25		GROUT CEMENT BENTONITE POWDER MIX	11536	30,30,35		25 ' - GRAY - BROWN SILTY CLAY, HARD, SLIGHTLY MOIST, SLIGHT ODOR, Hnu = 150 ppm
30		4" BLANK SCHEDULE 40 PVC PIPE; BENTONITE HOLE PLUG	11537	12,16,23	CL	30 ' - SAME AS ABOVE EXCEPT VERY STIFF, Hnu = 400 ppm
35			11538	20,20,41	ML	35 ' - BROWN SANDY SILT, DENSE, SLIGHTLY MOIST, STRONG SOLVENT ODOR, Hnu = 1800 ppm
40		MONTEREY #3 SAND; 4" SCHEDULE 40 PVC PIPE WITH PIPE 20 PERFORATIONS PER INCH	11539	15,25,33	ML	40 ' - BROWN SANDY SILT, DENSE, SLIGHTLY MOIST, STRONG SOLVENT ODOR, Hnu = 400 ppm
					MC	GROUND WATER ENCOUNTERED AT 45 '
45			11540	12,23,38	SM	45 ' - BROWN SILTY SAND, DENSES, SATURATED, SLIGHT ODOR, Hnu = 150 ppm

BORING

PROJECT : ANGELES CHEMICAL

JOB NUMBER: 0185016.01

HOLE / WELL # : MW 1

PAGE : 3 OF 3

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
48					SM / SP	
50		4" SCHEDULED 40 PVC PIPE WITH FIVE .20 PERFORATIONS PER INCH	NO SAMPLE	11,24,40	SP	50 ' - TAN - GRAY MEDIUM GRAINED SAND, DENSE, SATURATED, NO ODOR, Hnu = 0 ppm
55		MONTEREY # 3 SAND	NO SAMPLE	6,10,23	SW	55 ' - TAN - GRAY MEDIUM TO LARGE GRAINED SAND, MEDIUM DENSE, SATURATED, NO ODOR, Hnu = 0 ppm
60		END CAP	NO SAMPLE	5,5,6	SP	60 ' - TAN - GRAY FINE TO MEDIUM GRAINED SAND, MEDIUM DENSE, SATURATED, NO ODOR
						GROUND WATER ENCOUNTERED AT 45 '
65						TD = 60 '
70						

APPENDIX B

ANALYTICAL RESULTS

MEMO

To: Dan Roeser

From: Curtis B. Jenkins

February 8, 1990

Job No.: 0185016.01

LABORATORY REPORT

Samples: Thirty nine (39) soil samples from Angeles Chemical, received 1/19/90, analyzed 1/31/90.

EPA 8240 - see attached sheets.

David Sincerbeaux
Chemist

Curtis B. Jenkins
Vice President
Analytical Services

angels1.rep

SCS ANALYTICAL LABORATORY
LONG BEACH, CALIFORNIA
(213) 595-9224
FAX (213) 595-[illegible]

Sample I.D.: BH1-15/9643
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH1-15/9643
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		-----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	19	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH1-20/9644
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	200	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	180	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH1-20/9644
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	16	10
108-88-3	Toluene	21	10
71-55-6	1,1,1-Trichloroethane	18	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	12	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH2-10/9646
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angelsl.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	21	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	76	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	29	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	87	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH2-10/9646
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	210	10
108-88-3	Toluene	250	10
71-55-6	1,1,1-Trichloroethane	91	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	40	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	320	10
95-47-6	o-Xylene	92	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH3-5/9649
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	62	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	62	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	230	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH3-5/9649
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	120	10
108-88-3	Toluene	440	10
71-55-6	1,1,1-Trichloroethane	19	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	10	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	330	10
95-47-6	o-Xylene	120	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH3-10/9650
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angel#1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	100
107-02-8	Acrolein	ND	100
107-13-1	Acrylonitrile	ND	100
71-43-2	Benzene	ND	20
75-27-4	Bromodichloromethane	ND	20
75-25-2	Bromoform	ND	20
74-83-9	Bromomethane	ND	60
78-93-3	2-Butanone	ND	100
75-15-0	Carbon Disulfide	ND	20
56-23-5	Carbon Tetrachloride	ND	20
108-90-7	Chlorobenzene	ND	20
124-48-1	Chlorodibromomethane	ND	20
75-00-3	Chloroethane	ND	60
110-75-8	2-Chloroethyl Vinyl Ether	ND	100
67-66-3	Chloroform	ND	20
74-87-3	Chloromethane	ND	60
74-95-3	Dibromomethane	ND	20
110-56-5	1,4-Dichlorobutane	ND	20
75-71-8	Dichlorodifluoromethane	ND	20
75-34-3	1,1-Dichloroethane	ND	20
107-06-2	1,2-Dichloroethane	ND	20
75-35-4	1,1-Dichloroethene	ND	20
156-60-5	trans-1,2-Dichloroethene	ND	20
78-87-5	1,2-Dichloropropane	ND	20
10061-01-5	cis-1,3-Dichloropropene	ND	20
10061-02-6	trans-1,3-Dichloropropene	ND	20
64-17-5	Ethanol	ND	20
100-41-4	Ethylbenzene	ND	20
97-63-2	Ethyl Methylacrylate	ND	20
591-78-6	2-Hexanone	ND	60
74-88-4	Iodomethane	ND	20
75-09-2	Methylene Chloride	ND	100
108-10-1	4-Methyl-2-Pentanone	ND	60

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH3-10/9650
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	20
79-34-5	1,1,2,2-Tetrachloroethane	ND	20
127-18-4	Tetrachloroethene	ND	20
108-88-3	Toluene	160	20
71-55-6	1,1,1-Trichloroethane	ND	20
79-00-5	1,1,2-Trichloroethane	ND	20
79-01-6	Trichloroethene	ND	20
75-69-4	Trichlorofluoromethane	ND	20
96-18-4	1,2,3-Trichloropropane	ND	20
108-05-4	Vinyl Acetate	ND	60
75-01-4	Vinyl Chloride	ND	60
1330-20-7	m- and p-Xylenes	50	20
95-47-6	o-Xylene	20	20
541-73-1	1,3-Dichlorobenzene	ND	20
106-46-7	1,4-Dichlorobenzene	ND	20
95-50-1	1,2-Dichlorobenzene	ND	20

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH3-15/9651
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	110	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	370	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH3-15/9651
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	28	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH3-20/9652
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #:

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH3-20/9652
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH4-5/9653
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angelsl.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	ND	100
107-02-8	Acrolein	ND	100
107-13-1	Acrylonitrile	ND	100
71-43-2	Benzene	ND	20
75-27-4	Bromodichloromethane	ND	20
75-25-2	Bromoform	ND	20
74-83-9	Bromomethane	ND	60
78-93-3	2-Butanone	ND	100
75-15-0	Carbon Disulfide	ND	20
56-23-5	Carbon Tetrachloride	ND	20
108-90-7	Chlorobenzene	ND	20
124-48-1	Chlorodibromomethane	ND	20
75-00-3	Chloroethane	ND	60
110-75-8	2-Chloroethyl Vinyl Ether	ND	100
67-66-3	Chloroform	ND	20
74-87-3	Chloromethane	ND	60
74-95-3	Dibromomethane	ND	20
110-56-5	1,4-Dichlorobutane	ND	20
75-71-8	Dichlorodifluoromethane	ND	20
75-34-3	1,1-Dichloroethane	98	20
107-06-2	1,2-Dichloroethane	ND	20
75-35-4	1,1-Dichloroethene	ND	20
156-60-5	trans-1,2-Dichloroethene	ND	20
78-87-5	1,2-Dichloropropane	ND	20
10061-01-5	cis-1,3-Dichloropropene	ND	20
10061-02-6	trans-1,3-Dichloropropene	ND	20
64-17-5	Ethanol	ND	20
100-41-4	Ethylbenzene	ND	20
97-63-2	Ethyl Methylacrylate	ND	20
591-78-6	2-Hexanone	ND	60
74-88-4	Iodomethane	ND	20
75-09-2	Methylene Chloride	ND	100
108-10-1	4-Methyl-2-Pentanone	ND	60

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH4-5/9653
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	20
79-34-5	1,1,2,2-Tetrachloroethane	ND	20
127-18-4	Tetrachloroethene	ND	20
108-88-3	Toluene	150	20
71-55-6	1,1,1-Trichloroethane	65	20
79-00-5	1,1,2-Trichloroethane	ND	20
79-01-6	Trichloroethene	ND	20
75-69-4	Trichlorofluoromethane	ND	20
96-18-4	1,2,3-Trichloropropane	ND	20
108-05-4	Vinyl Acetate	ND	60
75-01-4	Vinyl Chloride	ND	60
1330-20-7	m- and p-Xylenes	ND	20
95-47-6	o-Xylene	ND	20
541-73-1	1,3-Dichlorobenzene	ND	20
106-46-7	1,4-Dichlorobenzene	ND	20
95-50-1	1,2-Dichlorobenzene	ND	20

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH4-15/9655
Date Received: 1/31/90
Date Analyzed: 2/1/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH4-15/9655
Date Received: 1/19/90
Date Analyzed: 2/1/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	33	10
71-55-6	1,1,1-Trichloroethane	39	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH4-20/9656
Date Received: 1/19/90
Date Analyzed: 2/2/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	100
107-02-8	Acrolein	ND	100
107-13-1	Acrylonitrile	ND	100
71-43-2	Benzene	ND	20
75-27-4	Bromodichloromethane	ND	20
75-25-2	Bromoform	ND	20
74-83-9	Bromomethane	ND	60
78-93-3	2-Butanone	ND	100
75-15-0	Carbon Disulfide	ND	20
56-23-5	Carbon Tetrachloride	ND	20
108-90-7	Chlorobenzene	ND	20
124-48-1	Chlorodibromomethane	ND	20
75-00-3	Chloroethane	ND	60
110-75-8	2-Chloroethyl Vinyl Ether	ND	100
67-66-3	Chloroform	ND	20
74-87-3	Chloromethane	ND	60
74-95-3	Dibromomethane	ND	20
110-56-5	1,4-Dichlorobutane	ND	20
75-71-8	Dichlorodifluoromethane	ND	20
75-34-3	1,1-Dichloroethane	ND	20
107-06-2	1,2-Dichloroethane	ND	20
75-35-4	1,1-Dichloroethene	ND	20
156-60-5	trans-1,2-Dichloroethene	ND	20
78-87-5	1,2-Dichloropropane	ND	20
10061-01-5	cis-1,3-Dichloropropene	ND	20
10061-02-6	trans-1,3-Dichloropropene	ND	20
64-17-5	Ethanol	ND	20
100-41-4	Ethylbenzene	ND	20
97-63-2	Ethyl Methylacrylate	ND	20
591-78-6	2-Hexanone	ND	60
74-88-4	Iodomethane	ND	20
75-09-2	Methylene Chloride	ND	100
108-10-1	4-Methyl-2-Pentanone	980	60

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH4-20/9656
Date Received: 1/19/90
Date Analyzed: 2/2/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	20
79-34-5	1,1,2,2-Tetrachloroethane	ND	20
127-18-4	Tetrachloroethene	ND	20
108-88-3	Toluene	ND	20
71-55-6	1,1,1-Trichloroethane	ND	20
79-00-5	1,1,2-Trichloroethane	ND	20
79-01-6	Trichloroethene	ND	20
75-69-4	Trichlorofluoromethane	ND	20
96-18-4	1,2,3-Trichloropropane	ND	20
108-05-4	Vinyl Acetate	ND	60
75-01-4	Vinyl Chloride	ND	60
1330-20-7	m- and p-Xylenes	ND	20
95-47-6	o-Xylene	ND	20
541-73-1	1,3-Dichlorobenzene	ND	20
106-46-7	1,4-Dichlorobenzene	ND	20
95-50-1	1,2-Dichlorobenzene	ND	20

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH5-5/9657
Date Received: 1/19/90
Date Analyzed: 2/2/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	100
107-02-8	Acrolein	ND	100
107-13-1	Acrylonitrile	ND	100
71-43-2	Benzene	ND	20
75-27-4	Bromodichloromethane	ND	20
75-25-2	Bromoform	ND	20
74-83-9	Bromomethane	ND	60
78-93-3	2-Butanone	1800	100
75-15-0	Carbon Disulfide	ND	20
56-23-5	Carbon Tetrachloride	ND	20
108-90-7	Chlorobenzene	ND	20
124-48-1	Chlorodibromomethane	ND	20
75-00-3	Chloroethane	ND	60
110-75-8	2-Chloroethyl Vinyl Ether	ND	100
67-66-3	Chloroform	ND	20
74-87-3	Chloromethane	ND	60
74-95-3	Dibromomethane	ND	20
110-56-5	1,4-Dichlorobutane	ND	20
75-71-8	Dichlorodifluoromethane	ND	20
75-34-3	1,1-Dichloroethane	ND	20
107-06-2	1,2-Dichloroethane	ND	20
75-35-4	1,1-Dichloroethene	ND	20
156-60-5	trans-1,2-Dichloroethene	ND	20
78-87-5	1,2-Dichloropropane	ND	20
10061-01-5	cis-1,3-Dichloropropene	ND	20
10061-02-6	trans-1,3-Dichloropropene	ND	20
64-17-5	Ethanol	ND	20
100-41-4	Ethylbenzene	42	20
97-63-2	Ethyl Methylacrylate	ND	20
591-78-6	2-Hexanone	ND	60
74-88-4	Iodomethane	ND	20
75-09-2	Methylene Chloride	ND	100
108-10-1	4-Methyl-2-Pentanone	2100	60

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH5-5/9657
Date Received: 1/19/90
Date Analyzed: 2/2/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	20
79-34-5	1,1,2,2-Tetrachloroethane	ND	20
127-18-4	Tetrachloroethene	ND	20
108-88-3	Toluene	160	20
71-55-6	1,1,1-Trichloroethane	ND	20
79-00-5	1,1,2-Trichloroethane	ND	20
79-01-6	Trichloroethene	ND	20
75-69-4	Trichlorofluoromethane	ND	20
96-18-4	1,2,3-Trichloropropane	ND	20
108-05-4	Vinyl Acetate	ND	60
75-01-4	Vinyl Chloride	ND	60
1330-20-7	m- and p-Xylenes	120	20
95-47-6	o-Xylene	55	20
541-73-1	1,3-Dichlorobenzene	ND	20
106-46-7	1,4-Dichlorobenzene	ND	20
95-50-1	1,2-Dichlorobenzene	ND	20

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH5-10/9658
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	640	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	53	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	2100	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH5-10/9658
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	30	10
108-88-3	Toluene	360	10
71-55-6	1,1,1-Trichloroethane	30	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	120	10
95-47-6	o-Xylene	43	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH5-15/9659
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	600	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	1300	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH5-15/9659
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angelsl.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	35	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	15	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH5-20/9660
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	300	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	630	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH5-20/9660
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	12	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-5/9661
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	110	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	71	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	120	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-5/9661
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	35	10
108-88-3	Toluene	>700	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	16	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	236	10
95-47-6	o-Xylene	84	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-10/9662
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	40	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	120	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-10/9662
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angelsl.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	40	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	13	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-15/9663
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	11	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	1300	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	25	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	220	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	1900	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-15/9663
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angel61.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethane	330	10
108-88-3	Toluene	1900	50
71-55-6	1,1,1-Trichloroethane	230	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	60	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	>2100	50
95-47-6	o-Xylene	200	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-20/9664
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angel#1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	240	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	13	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	600	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-20/9664
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		-----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	26	10
108-88-3	Toluene	150	10
71-55-6	1,1,1-Trichloroethane	29	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	49	10
95-47-6	o-Xylene	18	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-25/9665
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	110	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	450	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-25/9665
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	32	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	10	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-30/9666
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	1000	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	260	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	2000	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-30/9666
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	750	50
108-88-3	Toluene	870	50
71-55-6	1,1,1-Trichloroethane	45	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	1400	50
95-47-6	o-Xylene	250	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-35/9667
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	200	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	620	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-35/9667
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	26	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	12	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-40/9668
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	160	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	1200	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	310	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	270	30
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	220	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	2300	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-40/9668
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	150	10
108-88-3	Toluene	820	30
71-55-6	1,1,1-Trichloroethane	720	30
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	33	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	350	10
95-47-6	o-Xylene	180	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-45/9669
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	160	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	750	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibrpmomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	180	50
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	680	50
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	1100	50
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	2200	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-45/9669
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		-----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	940	50
108-88-3	Toluene	1600	50
71-55-6	1,1,1-Trichloroethane	900	50
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	87	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	1700	50
95-47-6	o-Xylene	870	50
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-50/9670
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	67	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	56	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	31	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	39	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	1200	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH6-50/9670
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	10	10
108-88-3	Toluene	65	10
71-55-6	1,1,1-Trichloroethane	18	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	110	10
95-47-6	o-Xylene	13	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH7-10/9672
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	120	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	18	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	21	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH7-10/9672
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	20	10
108-88-3	Toluene	20	10
71-55-6	1,1,1-Trichloroethane	11	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	13	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH7-15/9673
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angelm1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	46	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH7-15/9673
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	71	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH7-20/9674
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)	----
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH7-20/9674
Date Received: 1/19/90
Date Analyzed: 1/31/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	28	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH8-10/9676
Date Received: 1/19/90
Date Analyzed: 2/2/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	100
107-02-8	Acrolein	ND	100
107-13-1	Acrylonitrile	ND	100
71-43-2	Benzene	ND	20
75-27-4	Bromodichloromethane	ND	20
75-25-2	Bromoform	ND	20
74-83-9	Bromomethane	ND	60
78-93-3	2-Butanone	ND	100
75-15-0	Carbon Disulfide	ND	20
56-23-5	Carbon Tetrachloride	ND	20
108-90-7	Chlorobenzene	ND	20
124-48-1	Chlorodibromomethane	ND	20
75-00-3	Chloroethane	ND	60
110-75-8	2-Chloroethyl Vinyl Ether	ND	100
67-66-3	Chloroform	ND	20
74-87-3	Chloromethane	ND	60
74-95-3	Dibromomethane	ND	20
110-56-5	1,4-Dichlorobutane	ND	20
75-71-8	Dichlorodifluoromethane	ND	20
75-34-3	1,1-Dichloroethane	ND	20
107-06-2	1,2-Dichloroethane	ND	20
75-35-4	1,1-Dichloroethene	ND	20
156-60-5	trans-1,2-Dichloroethene	ND	20
78-87-5	1,2-Dichloropropane	ND	20
10061-01-5	cis-1,3-Dichloropropene	ND	20
10061-02-6	trans-1,3-Dichloropropene	ND	20
64-17-5	Ethanol	ND	20
100-41-4	Ethylbenzene	ND	20
97-63-2	Ethyl Methylacrylate	ND	20
591-78-6	2-Hexanone	ND	60
74-88-4	Iodomethane	ND	20
75-09-2	Methylene Chloride	ND	100
108-10-1	4-Methyl-2-Pentanone	ND	60

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH8-10/9676
Date Received: 1/19/90
Date Analyzed: 2/2/90
Matrix: Soil
Project #: 185016.01
File #: angelsl.rep

CAS #	Compound	Result	D.L.
		-----ug/kg(ppb)	----
100-42-5	Styrene	ND	20
79-34-5	1,1,2,2-Tetrachloroethane	ND	20
127-18-4	Tetrachloroethene	ND	20
108-88-3	Toluene	ND	20
71-55-6	1,1,1-Trichloroethane	ND	20
79-00-5	1,1,2-Trichloroethane	ND	20
79-01-6	Trichloroethene	ND	20
75-69-4	Trichlorofluoromethane	ND	20
96-18-4	1,2,3-Trichloropropane	ND	20
108-05-4	Vinyl Acetate	ND	60
75-01-4	Vinyl Chloride	ND	60
1330-20-7	m- and p-Xylenes	ND	20
95-47-6	o-Xylene	ND	20
541-73-1	1,3-Dichlorobenzene	ND	20
106-46-7	1,4-Dichlorobenzene	ND	20
95-50-1	1,2-Dichlorobenzene	ND	20

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH8-15/9677
Date Received: 1/19/90
Date Analyzed: 2/2/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		-----ug/kg(ppb)	----
67-64-1	Acetone	ND	100
107-02-8	Acrolein	ND	100
107-13-1	Acrylonitrile	ND	100
71-43-2	Benzene	ND	20
75-27-4	Bromodichloromethane	ND	20
75-25-2	Bromoform	ND	20
74-83-9	Bromomethane	ND	60
78-93-3	2-Butanone	ND	100
75-15-0	Carbon Disulfide	ND	20
56-23-5	Carbon Tetrachloride	ND	20
108-90-7	Chlorobenzene	ND	20
124-48-1	Chlorodibromomethane	ND	20
75-00-3	Chloroethane	ND	60
110-75-8	2-Chloroethyl Vinyl Ether	ND	100
67-66-3	Chloroform	ND	20
74-87-3	Chloromethane	ND	60
74-95-3	Dibromomethane	ND	20
110-56-5	1,4-Dichlorobutane	ND	20
75-71-8	Dichlorodifluoromethane	ND	20
75-34-3	1,1-Dichloroethane	ND	20
107-06-2	1,2-Dichloroethane	ND	20
75-35-4	1,1-Dichloroethene	ND	20
156-60-5	trans-1,2-Dichloroethene	ND	20
78-87-5	1,2-Dichloropropane	ND	20
10061-01-5	cis-1,3-Dichloropropene	ND	20
10061-02-6	trans-1,3-Dichloropropene	ND	20
64-17-5	Ethanol	ND	20
100-41-4	Ethylbenzene	ND	20
97-63-2	Ethyl Methylacrylate	ND	20
591-78-6	2-Hexanone	ND	60
74-88-4	Iodomethane	ND	20
75-09-2	Methylene Chloride	ND	100
108-10-1	4-Methyl-2-Pentanone	ND	60

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH8-15/9677
Date Received: 1/19/90
Date Analyzed: 2/2/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	20
79-34-5	1,1,2,2-Tetrachloroethane	ND	20
127-18-4	Tetrachloroethene	ND	20
108-88-3	Toluene	ND	20
71-55-6	1,1,1-Trichloroethane	ND	20
79-00-5	1,1,2-Trichloroethane	ND	20
79-01-6	Trichloroethene	ND	20
75-69-4	Trichlorofluoromethane	ND	20
96-18-4	1,2,3-Trichloropropane	ND	20
108-05-4	Vinyl Acetate	ND	60
75-01-4	Vinyl Chloride	ND	60
1330-20-7	m- and p-Xylenes	ND	20
95-47-6	o-Xylene	ND	20
541-73-1	1,3-Dichlorobenzene	ND	20
106-46-7	1,4-Dichlorobenzene	ND	20
95-50-1	1,2-Dichlorobenzene	ND	20

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH8-20/9678
Date Received: 1/19/90
Date Analyzed: 2/2/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	ND	100
107-02-8	Acrolein	ND	100
107-13-1	Acrylonitrile	ND	100
71-43-2	Benzene	ND	20
75-27-4	Bromodichloromethane	ND	20
75-25-2	Bromoform	ND	20
74-83-9	Bromomethane	ND	60
78-93-3	2-Butanone	ND	100
75-15-0	Carbon Disulfide	ND	20
56-23-5	Carbon Tetrachloride	ND	20
108-90-7	Chlorobenzene	ND	20
124-48-1	Chlorodibromomethane	ND	20
75-00-3	Chloroethane	ND	60
110-75-8	2-Chloroethyl Vinyl Ether	ND	100
67-66-3	Chloroform	ND	20
74-87-3	Chloromethane	ND	60
74-95-3	Dibromomethane	ND	20
110-56-5	1,4-Dichlorobutane	ND	20
75-71-8	Dichlorodifluoromethane	ND	20
75-34-3	1,1-Dichloroethane	ND	20
107-06-2	1,2-Dichloroethane	ND	20
75-35-4	1,1-Dichloroethene	ND	20
156-60-5	trans-1,2-Dichloroethene	ND	20
78-87-5	1,2-Dichloropropane	ND	20
10061-01-5	cis-1,3-Dichloropropene	ND	20
10061-02-6	trans-1,3-Dichloropropene	ND	20
64-17-5	Ethanol	ND	20
100-41-4	Ethylbenzene	ND	20
97-63-2	Ethyl Methylacrylate	ND	20
591-78-6	2-Hexanone	ND	60
74-88-4	Iodomethane	ND	20
75-09-2	Methylene Chloride	ND	100
108-10-1	4-Methyl-2-Pentanone	ND	60

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH8-20/9678
Date Received: 1/19/90
Date Analyzed: 2/2/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	20
79-34-5	1,1,2,2-Tetrachloroethane	ND	20
127-18-4	Tetrachloroethene	ND	20
108-88-3	Toluene	ND	20
71-55-6	1,1,1-Trichloroethane	ND	20
79-00-5	1,1,2-Trichloroethane	ND	20
79-01-6	Trichloroethene	ND	20
75-69-4	Trichlorofluoromethane	ND	20
96-18-4	1,2,3-Trichloropropane	ND	20
108-05-4	Vinyl Acetate	ND	60
75-01-4	Vinyl Chloride	ND	60
1330-20-7	m- and p-Xylenes	ND	20
95-47-6	o-Xylene	ND	20
541-73-1	1,3-Dichlorobenzene	ND	20
106-46-7	1,4-Dichlorobenzene	ND	20
95-50-1	1,2-Dichlorobenzene	ND	20

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH8-25/9679
Date Received: 1/19/90
Date Analyzed: 2/2/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	ND	100
107-02-8	Acrolein	ND	100
107-13-1	Acrylonitrile	ND	100
71-43-2	Benzene	ND	20
75-27-4	Bromodichloromethane	ND	20
75-25-2	Bromoform	ND	20
74-83-9	Bromomethane	ND	60
78-93-3	2-Butanone	ND	100
75-15-0	Carbon Disulfide	ND	20
56-23-5	Carbon Tetrachloride	ND	20
108-90-7	Chlorobenzene	ND	20
124-48-1	Chlorodibromomethane	ND	20
75-00-3	Chloroethane	ND	60
110-75-8	2-Chloroethyl Vinyl Ether	ND	100
67-66-3	Chloroform	ND	20
74-87-3	Chloromethane	ND	60
74-95-3	Dibromomethane	ND	20
110-56-5	1,4-Dichlorobutane	ND	20
75-71-8	Dichlorodifluoromethane	ND	20
75-34-3	1,1-Dichloroethane	ND	20
107-06-2	1,2-Dichloroethane	ND	20
75-35-4	1,1-Dichloroethene	ND	20
156-60-5	trans-1,2-Dichloroethene	ND	20
78-87-5	1,2-Dichloropropane	ND	20
10061-01-5	cis-1,3-Dichloropropene	ND	20
10061-02-6	trans-1,3-Dichloropropene	ND	20
64-17-5	Ethanol	ND	20
100-41-4	Ethylbenzene	ND	20
97-63-2	Ethyl Methylacrylate	ND	20
591-78-6	2-Hexanone	ND	60
74-88-4	Iodomethane	ND	20
75-09-2	Methylene Chloride	ND	100
108-10-1	4-Methyl-2-Pentanone	ND	60

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: BH8-25/9679
Date Received: 1/19/90
Date Analyzed: 2/2/90
Matrix: Soil
Project #: 185016.01
File #: angels1.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	20
79-34-5	1,1,2,2-Tetrachloroethane	ND	20
127-18-4	Tetrachloroethene	ND	20
108-88-3	Toluene	ND	20
71-55-6	1,1,1-Trichloroethane	ND	20
79-00-5	1,1,2-Trichloroethane	ND	20
79-01-6	Trichloroethene	ND	20
75-69-4	Trichlorofluoromethane	ND	20
96-18-4	1,2,3-Trichloropropane	ND	20
108-05-4	Vinyl Acetate	ND	60
75-01-4	Vinyl Chloride	ND	60
1330-20-7	m- and p-Xylenes	ND	20
95-47-6	o-Xylene	ND	20
541-73-1	1,3-Dichlorobenzene	ND	20
106-46-7	1,4-Dichlorobenzene	ND	20
95-50-1	1,2-Dichlorobenzene	ND	20

D.L. = Detection Limit
ND = Not Detected

MEMO

To: Dan Roeser

From: Curtis B. Jenkins

April 19, 1990

Job No.: 0185016.01

LABORATORY REPORT

Samples: Two (2) soil samples from Angeles Chemical, Santa Fe Springs, CA received 4/5/90, analyzed 4/8/90.

Sample ID	EPA 418.1 -----mg/kg-----
S-2	99
Detection Limit	10

EPA 8240 - see attached sheets

David Sincerbeaux
Chemist

Curtis B. Jenkins
Vice President
Analytical Services

angels2.rep

SCS ANALYTICAL LABORATORY
LONG BEACH, CALIFORNIA

Sample I.D.: S-1
Date Received: 4/5/90
Date Analyzed: 4/8/90
Matrix: Soil
Project #: 185016.01
File #: angels2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)	----
67-64-1	Acetone	ND	62,500
107-02-8	Acrolein	ND	62,500
107-13-1	Acrylonitrile	ND	62,500
71-43-2	Benzene	ND	12,500
75-27-4	Bromodichloromethane	ND	12,500
75-25-2	Bromoform	ND	12,500
74-83-9	Bromomethane	ND	37,500
78-93-3	2-Butanone	ND	62,500
75-15-0	Carbon Disulfide	ND	12,500
56-23-5	Carbon Tetrachloride	ND	12,500
108-90-7	Chlorobenzene	ND	12,500
124-48-1	Chlorodibromomethane	ND	12,500
75-00-3	Chloroethane	ND	37,500
110-75-8	2-Chloroethyl Vinyl Ether	ND	62,500
67-66-3	Chloroform	ND	12,500
74-87-3	Chloromethane	ND	37,500
74-95-3	Dibromomethane	ND	12,500
110-56-5	1,4-Dichlorobutane	ND	12,500
75-71-8	Dichlorodifluoromethane	ND	12,500
75-34-3	1,1-Dichloroethane	ND	12,500
107-06-2	1,2-Dichloroethane	ND	12,500
75-35-4	1,1-Dichloroethene	ND	12,500
156-60-5	trans-1,2-Dichloroethene	ND	12,500
78-87-5	1,2-Dichloropropane	ND	12,500
10061-01-5	cis-1,3-Dichloropropene	ND	12,500
10061-02-6	trans-1,3-Dichloropropene	ND	12,500
64-17-5	Ethanol	ND	12,500
100-41-4	Ethylbenzene	>210,000	12,500
97-63-2	Ethyl Methylacrylate	ND	12,500
591-78-6	2-Hexanone	ND	37,500
74-88-4	Iodomethane	ND	12,500
75-09-2	Methylene Chloride	ND	62,500
108-10-1	4-Methyl-2-Pentanone	ND	37,500

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: S-1
Date Received: 4/5/90
Date Analyzed: 4/8/90
Matrix: Soil
Project #: 185016.01
File #: angels2.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	12,500
79-34-5	1,1,2,2-Tetrachloroethane	ND	12,500
127-18-4	Tetrachloroethene	32,000	12,500
108-88-3	Toluene	>220,000	12,500
71-55-6	1,1,1-Trichloroethane	6400	12,500
79-00-5	1,1,2-Trichloroethane	ND	12,500
79-01-6	Trichloroethene	9900	12,500
75-69-4	Trichlorofluoromethane	ND	12,500
96-18-4	1,2,3-Trichloropropane	ND	12,500
108-05-4	Vinyl Acetate	ND	37,500
75-01-4	Vinyl Chloride	ND	37,500
1330-20-7	m- and p-Xylenes	>330,000	12,500
95-47-6	o-Xylene	>210,000	12,500
541-73-1	1,3-Dichlorobenzene	ND	12,500
106-46-7	1,4-Dichlorobenzene	ND	12,500
95-50-1	1,2-Dichlorobenzene	ND	12,500

D.L. = Detection Limit
ND = Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME	APPROXIMATE CONCENTRATION
C7 Hydrocarbon	200,000
C8 Hydrocarbon	420,000
C3 - substituted Benzene	410,000

Sample I.D.: S-2
Date Received: 4/5/90
Date Analyzed: 4/8/90
Matrix: Soil
Project #: 185016.01
File #: angels2.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	ND	37,000
107-02-8	Acrolein	ND	37,000
107-13-1	Acrylonitrile	ND	37,000
71-43-2	Benzene	ND	7,400
75-27-4	Bromodichloromethane	ND	7,400
75-25-2	Bromoform	ND	7,400
74-83-9	Bromomethane	ND	22,200
78-93-3	2-Butanone	ND	37,000
75-15-0	Carbon Disulfide	ND	7,400
56-23-5	Carbon Tetrachloride	ND	7,400
108-90-7	Chlorobenzene	ND	7,400
124-48-1	Chlorodibromomethane	ND	7,400
75-00-3	Chloroethane	ND	22,200
110-75-8	2-Chloroethyl Vinyl Ether	ND	37,000
67-66-3	Chloroform	ND	7,400
74-87-3	Chloromethane	ND	22,200
74-95-3	Dibromomethane	ND	7,400
110-56-5	1,4-Dichlorobutane	ND	7,400
75-71-8	Dichlorodifluoromethane	ND	7,400
75-34-3	1,1-Dichloroethane	ND	7,400
107-06-2	1,2-Dichloroethane	ND	7,400
75-35-4	1,1-Dichloroethene	ND	7,400
156-60-5	trans-1,2-Dichloroethene	ND	7,400
78-87-5	1,2-Dichloropropane	ND	7,400
10061-01-5	cis-1,3-Dichloropropene	ND	7,400
10061-02-6	trans-1,3-Dichloropropene	ND	7,400
64-17-5	Ethanol	ND	7,400
100-41-4	Ethylbenzene	94,000	7,400
97-63-2	Ethyl Methylacrylate	ND	7,400
591-78-6	2-Hexanone	ND	22,200
74-88-4	Iodomethane	ND	7,400
75-09-2	Methylene Chloride	ND	37,000
108-10-1	4-Methyl-2-Pentanone	ND	22,200

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: S-2
Date Received: 4/5/90
Date Analyzed: 4/8/90
Matrix: Soil
Project #: 185016.01
File #: angels2.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	7,400
79-34-5	1,1,2,2-Tetrachloroethane	ND	7,400
127-18-4	Tetrachloroethene	33,000	7,400
108-88-3	Toluene	120,000	7,400
71-55-6	1,1,1-Trichloroethane	ND	7,400
79-00-5	1,1,2-Trichloroethane	ND	7,400
79-01-6	Trichloroethene	5,100	7,400
75-69-4	Trichlorofluoromethane	ND	7,400
96-18-4	1,2,3-Trichloropropane	ND	7,400
108-05-4	Vinyl Acetate	ND	22,200
75-01-4	Vinyl Chloride	ND	22,200
1330-20-7	m- and p-Xylenes	160,000	7,400
95-47-6	o-Xylene	104,000	7,400
541-73-1	1,3-Dichlorobenzene	ND	7,400
106-46-7	1,4-Dichlorobenzene	ND	7,400
95-50-1	1,2-Dichlorobenzene	ND	7,400

D.L. = Detection Limit
ND = Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME	APPROXIMATE CONCENTRATION
C7 Hydrocarbon	72,000
C8 Hydrocarbon	52,000
C9 Hydrocarbon	108,000
C3 substituted Benzene	76,000

MEMO

To: Dan Roeser

From: Curtis B. Jenkins

July 10, 1990

Job No.: 0185016.01

LABORATORY REPORT

Samples: Twenty eight (28) soil samples from Angeles Chemical, Santa Fe Springs, CA received 6/26/90 analyzed 7/10/90.

EPA 8240 - see attached sheets

David Sincerbeaux
Chemist

Curtis B. Jenkins
Vice President
Analytical Services

angel#3.rep

Sample I.D.: 11501 BH9-5
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angals3.rep

CAS #	Compound	Result	D.L.
		-----ug/kg(ppb)----	
67-64-1	Acetone	550	250
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	120	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	30	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	37	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	460	250
108-10-1	4-Methyl-2-Pentanone	450	150

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11501 BH9-5
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	37	10
108-88-3	Toluene	410	50
71-55-6	1,1,1-Trichloroethane	56	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	20	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	180	10
95-47-6	o-Xylene	70	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11504 BH9-15
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	24	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	32	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	730	250
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11504 BH9-15
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	190	50
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	125	10
95-47-6	o-Xylene	36	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11509 BH10-10
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	250	250
107-02-8	Acrolein	ND	250
107-13-1	Acrylonitrile	ND	250
71-43-2	Benzene	ND	50
75-27-4	Bromodichloromethane	ND	50
75-25-2	Bromoform	ND	50
74-83-9	Bromomethane	ND	150
78-93-3	2-Butanone	ND	250
75-15-0	Carbon Disulfide	ND	50
56-23-5	Carbon Tetrachloride	ND	50
108-90-7	Chlorobenzene	ND	50
124-48-1	Chlorodibromomethane	ND	50
75-00-3	Chloroethane	ND	150
110-75-8	2-Chloroethyl Vinyl Ether	ND	250
67-66-3	Chloroform	ND	50
74-87-3	Chloromethane	ND	150
74-95-3	Dibromomethane	ND	50
110-56-5	1,4-Dichlorobutane	ND	50
75-71-8	Dichlorodifluoromethane	ND	50
75-34-3	1,1-Dichloroethane	ND	50
107-06-2	1,2-Dichloroethane	ND	50
75-35-4	1,1-Dichloroethene	ND	50
156-60-5	trans-1,2-Dichloroethene	ND	50
78-87-5	1,2-Dichloropropane	ND	50
10061-01-5	cis-1,3-Dichloropropene	ND	50
10061-02-6	trans-1,3-Dichloropropene	ND	50
64-17-5	Ethanol	ND	50
100-41-4	Ethylbenzene	ND	50
97-63-2	Ethyl Methylacrylate	ND	50
591-78-6	2-Hexanone	ND	150
74-88-4	Iodomethane	ND	50
75-09-2	Methylene Chloride	ND	250
108-10-1	4-Methyl-2-Pentanone	ND	150

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11509 BH10-10
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	50
127-18-4	Tetrachloroethene	ND	50
108-88-3	Toluene	ND	50
71-55-6	1,1,1-Trichloroethane	ND	50
79-00-5	1,1,2-Trichloroethane	ND	50
79-01-6	Trichloroethene	ND	50
75-69-4	Trichlorofluoromethane	ND	50
96-18-4	1,2,3-Trichloropropane	ND	50
108-05-4	Vinyl Acetate	ND	150
75-01-4	Vinyl Chloride	ND	150
1330-20-7	m- and p-Xylenes	ND	50
95-47-6	o-Xylene	ND	50
541-73-1	1,3-Dichlorobenzene	ND	50
106-46-7	1,4-Dichlorobenzene	ND	50
95-50-1	1,2-Dichlorobenzene	ND	50

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11511 BH10-20
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	600	250
107-02-8	Acrolein	ND	250
107-13-1	Acrylonitrile	ND	250
71-43-2	Benzene	ND	50
75-27-4	Bromodichloromethane	ND	50
75-25-2	Bromoform	ND	50
74-83-9	Bromomethane	ND	150
78-93-3	2-Butanone	ND	250
75-15-0	Carbon Disulfide	ND	50
56-23-5	Carbon Tetrachloride	ND	50
108-90-7	Chlorobenzene	ND	50
124-48-1	Chlorodibromomethane	ND	50
75-00-3	Chloroethane	ND	150
110-75-8	2-Chloroethyl Vinyl Ether	ND	250
67-66-3	Chloroform	ND	50
74-87-3	Chloromethane	ND	150
74-95-3	Dibromomethane	ND	50
110-56-5	1,4-Dichlorobutane	ND	50
75-71-8	Dichlorodifluoromethane	ND	50
75-34-3	1,1-Dichloroethane	ND	50
107-06-2	1,2-Dichloroethane	ND	50
75-35-4	1,1-Dichloroethene	ND	50
156-60-5	trans-1,2-Dichloroethene	ND	50
78-87-5	1,2-Dichloropropane	ND	50
10061-01-5	cis-1,3-Dichloropropene	ND	50
10061-02-6	trans-1,3-Dichloropropene	ND	50
64-17-5	Ethanol	ND	50
100-41-4	Ethylbenzene	ND	50
97-63-2	Ethyl Methylacrylate	ND	50
591-78-6	2-Hexanone	ND	150
74-88-4	Iodomethane	ND	50
75-09-2	Methylene Chloride	ND	250
108-10-1	4-Methyl-2-Pentanone	ND	150

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11511 BH10-20
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	50
127-18-4	Tetrachloroethene	ND	50
108-88-3	Toluene	ND	50
71-55-6	1,1,1-Trichloroethane	ND	50
79-00-5	1,1,2-Trichloroethane	ND	50
79-01-6	Trichloroethene	ND	50
75-69-4	Trichlorofluoromethane	ND	50
96-18-4	1,2,3-Trichloropropane	ND	50
108-05-4	Vinyl Acetate	ND	150
75-01-4	Vinyl Chloride	ND	150
1330-20-7	m- and p-Xylenes	ND	50
95-47-6	o-Xylene	ND	50
541-73-1	1,3-Dichlorobenzene	ND	50
106-46-7	1,4-Dichlorobenzene	ND	50
95-50-1	1,2-Dichlorobenzene	ND	50

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11519 BH11-35
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	ND	250
107-02-8	Acrolein	ND	250
107-13-1	Acrylonitrile	ND	250
71-43-2	Benzene	ND	50
75-27-4	Bromodichloromethane	ND	50
75-25-2	Bromoform	ND	50
74-83-9	Bromomethane	ND	150
78-93-3	2-Butanone	ND	250
75-15-0	Carbon Disulfide	ND	50
56-23-5	Carbon Tetrachloride	ND	50
108-90-7	Chlorobenzene	ND	50
124-48-1	Chlorodibromomethane	ND	50
75-00-3	Chloroethane	ND	150
110-75-8	2-Chloroethyl Vinyl Ether	ND	250
67-66-3	Chloroform	ND	50
74-87-3	Chloromethane	ND	150
74-95-3	Dibromomethane	ND	50
110-56-5	1,4-Dichlorobutane	ND	50
75-71-8	Dichlorodifluoromethane	ND	50
75-34-3	1,1-Dichloroethane	81	50
107-06-2	1,2-Dichloroethane	ND	50
75-35-4	1,1-Dichloroethene	130	50
156-60-5	trans-1,2-Dichloroethene	ND	50
78-87-5	1,2-Dichloropropane	ND	50
10061-01-5	cis-1,3-Dichloropropene	ND	50
10061-02-6	trans-1,3-Dichloropropene	ND	50
64-17-5	Ethanol	ND	50
100-41-4	Ethylbenzene	1,400	1,250
97-63-2	Ethyl Methylacrylate	ND	50
591-78-6	2-Hexanone	ND	150
74-88-4	Iodomethane	ND	50
75-09-2	Methylene Chloride	ND	250
108-10-1	4-Methyl-2-Pentanone	700	150

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11519 BH11-35
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	50
127-18-4	Tetrachloroethene	330	50
108-88-3	Toluene	1,900	1,250
71-55-6	1,1,1-Trichloroethane	1,000	50
79-00-5	1,1,2-Trichloroethane	ND	50
79-01-6	Trichloroethene	ND	50
75-69-4	Trichlorofluoromethane	ND	50
96-18-4	1,2,3-Trichloropropane	ND	50
108-05-4	Vinyl Acetate	ND	150
75-01-4	Vinyl Chloride	ND	150
1330-20-7	m- and p-Xylenes	1,800	1,250
95-47-6	o-Xylene	830	50
541-73-1	1,3-Dichlorobenzene	ND	50
106-46-7	1,4-Dichlorobenzene	ND	50
95-50-1	1,2-Dichlorobenzene	ND	50

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11521 BH12-10
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	27,000	6,250
107-02-8	Acrolein	ND	6,250
107-13-1	Acrylonitrile	ND	6,250
71-43-2	Benzene	ND	1,250
75-27-4	Bromodichloromethane	ND	1,250
75-25-2	Bromoform	ND	1,250
74-83-9	Bromomethane	ND	3,750
78-93-3	2-Butanone	ND	6,250
75-15-0	Carbon Disulfide	ND	1,250
56-23-5	Carbon Tetrachloride	ND	1,250
108-90-7	Chlorobenzene	ND	1,250
124-48-1	Chlorodibromomethane	ND	1,250
75-00-3	Chloroethane	ND	3,750
110-75-8	2-Chloroethyl Vinyl Ether	ND	6,250
67-66-3	Chloroform	ND	1,250
74-87-3	Chloromethane	ND	3,750
74-95-3	Dibromomethane	ND	1,250
110-56-5	1,4-Dichlorobutane	ND	1,250
75-71-8	Dichlorodifluoromethane	ND	1,250
75-34-3	1,1-Dichloroethane	ND	1,250
107-06-2	1,2-Dichloroethane	ND	1,250
75-35-4	1,1-Dichloroethene	ND	1,250
156-60-5	trans-1,2-Dichloroethene	ND	1,250
78-87-5	1,2-Dichloropropane	ND	1,250
10061-01-5	cis-1,3-Dichloropropene	ND	1,250
10061-02-6	trans-1,3-Dichloropropene	ND	1,250
64-17-5	Ethanol	ND	1,250
100-41-4	Ethylbenzene	ND	1,250
97-63-2	Ethyl Methylacrylate	ND	1,250
591-78-6	2-Hexanone	ND	3,750
74-88-4	Iodomethane	ND	1,250
75-09-2	Methylene Chloride	ND	6,250
108-10-1	4-Methyl-2-Pentanone	ND	3,750

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11521 BH12-10
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
100-42-5	Styrene	ND	1,250
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,250
127-18-4	Tetrachloroethene	ND	1,250
108-88-3	Toluene	ND	1,250
71-55-6	1,1,1-Trichloroethane	ND	1,250
79-00-5	1,1,2-Trichloroethane	ND	1,250
79-01-6	Trichloroethene	ND	1,250
75-69-4	Trichlorofluoromethane	ND	1,250
96-18-4	1,2,3-Trichloropropane	ND	1,250
108-05-4	Vinyl Acetate	ND	3,750
75-01-4	Vinyl Chloride	ND	3,750
1330-20-7	m- and p-Xylenes	ND	1,250
95-47-6	o-Xylene	ND	1,250
541-73-1	1,3-Dichlorobenzene	ND	1,250
106-46-7	1,4-Dichlorobenzene	ND	1,250
95-50-1	1,2-Dichlorobenzene	ND	1,250

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11523 BH12-20
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	8,600	6,250
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	54	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11523 BH12-20
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11526 BH13-15
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	6,900	6,250
107-02-8	Acrolein	ND	6,250
107-13-1	Acrylonitrile	ND	6,250
71-43-2	Benzene	ND	1,250
75-27-4	Bromodichloromethane	ND	1,250
75-25-2	Bromoform	ND	1,250
74-83-9	Bromomethane	ND	3,750
78-93-3	2-Butanone	ND	6,250
75-15-0	Carbon Disulfide	ND	1,250
56-23-5	Carbon Tetrachloride	ND	1,250
108-90-7	Chlorobenzene	ND	1,250
124-48-1	Chlorodibromomethane	ND	1,250
75-00-3	Chloroethane	ND	3,750
110-75-8	2-Chloroethyl Vinyl Ether	ND	6,250
67-66-3	Chloroform	ND	1,250
74-87-3	Chloromethane	ND	3,750
74-95-3	Dibromomethane	ND	1,250
110-56-5	1,4-Dichlorobutane	ND	1,250
75-71-8	Dichlorodifluoromethane	ND	1,250
75-34-3	1,1-Dichloroethane	ND	1,250
107-06-2	1,2-Dichloroethane	ND	1,250
75-35-4	1,1-Dichloroethene	ND	1,250
156-60-5	trans-1,2-Dichloroethene	ND	1,250
78-87-5	1,2-Dichloropropane	ND	1,250
10061-01-5	cis-1,3-Dichloropropene	ND	1,250
10061-02-6	trans-1,3-Dichloropropene	ND	1,250
64-17-5	Ethanol	ND	1,250
100-41-4	Ethylbenzene	ND	1,250
97-63-2	Ethyl Methylacrylate	ND	1,250
591-78-6	2-Hexanone	ND	3,750
74-88-4	Iodomethane	ND	1,250
75-09-2	Methylene Chloride	ND	6,250
108-10-1	4-Methyl-2-Pentanone	ND	3,750

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11526 BH13-15
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	1,250
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,250
127-18-4	Tetrachloroethene	ND	1,250
108-88-3	Toluene	ND	1,250
71-55-6	1,1,1-Trichloroethane	ND	1,250
79-00-5	1,1,2-Trichloroethane	ND	1,250
79-01-6	Trichloroethene	ND	1,250
75-69-4	Trichlorofluoromethane	ND	1,250
96-18-4	1,2,3-Trichloropropane	ND	1,250
108-05-4	Vinyl Acetate	ND	3,750
75-01-4	Vinyl Chloride	ND	3,750
1330-20-7	m- and p-Xylenes	ND	1,250
95-47-6	o-Xylene	ND	1,250
541-73-1	1,3-Dichlorobenzene	ND	1,250
106-46-7	1,4-Dichlorobenzene	ND	1,250
95-50-1	1,2-Dichlorobenzene	ND	1,250

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11529 BH13-30
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	1,300	250
107-02-8	Acrolein	ND	250
107-13-1	Acrylonitrile	ND	250
71-43-2	Benzene	ND	50
75-27-4	Bromodichloromethane	ND	50
75-25-2	Bromoform	ND	50
74-83-9	Bromomethane	ND	150
78-93-3	2-Butanone	ND	250
75-15-0	Carbon Disulfide	ND	50
56-23-5	Carbon Tetrachloride	ND	50
108-90-7	Chlorobenzene	ND	50
124-48-1	Chlorodibromomethane	ND	50
75-00-3	Chloroethane	ND	150
110-75-8	2-Chloroethyl Vinyl Ether	ND	250
67-66-3	Chloroform	ND	50
74-87-3	Chloromethane	ND	150
74-95-3	Dibromomethane	ND	50
110-56-5	1,4-Dichlorobutane	ND	50
75-71-8	Dichlorodifluoromethane	ND	50
75-34-3	1,1-Dichloroethane	ND	50
107-06-2	1,2-Dichloroethane	ND	50
75-35-4	1,1-Dichloroethene	ND	50
156-60-5	trans-1,2-Dichloroethene	ND	50
78-87-5	1,2-Dichloropropane	ND	50
10061-01-5	cis-1,3-Dichloropropene	ND	50
10061-02-6	trans-1,3-Dichloropropene	ND	50
64-17-5	Ethanol	ND	50
100-41-4	Ethylbenzene	ND	50
97-63-2	Ethyl Methylacrylate	ND	50
591-78-6	2-Hexanone	ND	150
74-88-4	Iodomethane	ND	50
75-09-2	Methylene Chloride	ND	250
108-10-1	4-Methyl-2-Pentanone	ND	150

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11529 BH13-30
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angel#3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	50
127-18-4	Tetrachloroethene	90	50
108-88-3	Toluene	ND	50
71-55-6	1,1,1-Trichloroethane	210	50
79-00-5	1,1,2-Trichloroethane	ND	50
79-01-6	Trichloroethene	ND	50
75-69-4	Trichlorofluoromethane	ND	50
96-18-4	1,2,3-Trichloropropane	ND	50
108-05-4	Vinyl Acetate	ND	150
75-01-4	Vinyl Chloride	ND	150
1330-20-7	m- and p-Xylenes	ND	50
95-47-6	o-Xylene	ND	50
541-73-1	1,3-Dichlorobenzene	ND	50
106-46-7	1,4-Dichlorobenzene	ND	50
95-50-1	1,2-Dichlorobenzene	ND	50

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: #11531 BH13-40
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	11,000	1,250
107-02-8	Acrolein	ND	250
107-13-1	Acrylonitrile	ND	250
71-43-2	Benzene	ND	50
75-27-4	Bromodichloromethane	ND	50
75-25-2	Bromoform	ND	50
74-83-9	Bromomethane	ND	150
78-93-3	2-Butanone	530	250
75-15-0	Carbon Disulfide	ND	50
56-23-5	Carbon Tetrachloride	ND	50
108-90-7	Chlorobenzene	ND	50
124-48-1	Chlorodibromomethane	ND	50
75-00-3	Chloroethane	ND	150
110-75-8	2-Chloroethyl Vinyl Ether	ND	250
67-66-3	Chloroform	ND	50
74-87-3	Chloromethane	ND	150
74-95-3	Dibromomethane	ND	50
110-56-5	1,4-Dichlorobutane	ND	50
75-71-8	Dichlorodifluoromethane	ND	50
75-34-3	1,1-Dichloroethane	ND	50
107-06-2	1,2-Dichloroethane	ND	50
75-35-4	1,1-Dichloroethene	160	50
156-60-5	trans-1,2-Dichloroethene	ND	50
78-87-5	1,2-Dichloropropane	ND	50
10061-01-5	cis-1,3-Dichloropropene	ND	50
10061-02-6	trans-1,3-Dichloropropene	ND	50
64-17-5	Ethanol	ND	50
100-41-4	Ethylbenzene	ND	50
97-63-2	Ethyl Methylacrylate	ND	50
591-78-6	2-Hexanone	ND	150
74-88-4	Iodomethane	ND	50
75-09-2	Methylene Chloride	300	250
108-10-1	4-Methyl-2-Pentanone	150	150

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11531 BH13-40
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	50
127-18-4	Tetrachloroethene	230	50
108-88-3	Toluene	98	50
71-55-6	1,1,1-Trichloroethane	280	50
79-00-5	1,1,2-Trichloroethane	ND	50
79-01-6	Trichloroethene	120	50
75-69-4	Trichlorofluoromethane	ND	50
96-18-4	1,2,3-Trichloropropane	ND	50
108-05-4	Vinyl Acetate	ND	150
75-01-4	Vinyl Chloride	ND	150
1330-20-7	m- and p-Xylenes	60	50
95-47-6	o-Xylene	ND	50
541-73-1	1,3-Dichlorobenzene	ND	50
106-46-7	1,4-Dichlorobenzene	ND	50
95-50-1	1,2-Dichlorobenzene	ND	50

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11533 MW1-10
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	21,000	6,250
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11533 MW1-10
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	14	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11534 MW1-15
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	7,900	6,250
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	21	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	92	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11534 MW1-15
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	49	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	150	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11535 MW1-20
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	8,400	6,250
107-02-8	Acrolein	ND	6,250
107-13-1	Acrylonitrile	ND	6,250
71-43-2	Benzene	ND	1,250
75-27-4	Bromodichloromethane	ND	1,250
75-25-2	Bromoform	ND	1,250
74-83-9	Bromomethane	ND	3,750
78-93-3	2-Butanone	ND	6,250
75-15-0	Carbon Disulfide	ND	1,250
56-23-5	Carbon Tetrachloride	ND	1,250
108-90-7	Chlorobenzene	ND	1,250
124-48-1	Chlorodibromomethane	ND	1,250
75-00-3	Chloroethane	ND	3,750
110-75-8	2-Chloroethyl Vinyl Ether	ND	6,250
67-66-3	Chloroform	ND	1,250
74-87-3	Chloromethane	ND	3,750
74-95-3	Dibromomethane	ND	1,250
110-56-5	1,4-Dichlorobutane	ND	1,250
75-71-8	Dichlorodifluoromethane	ND	1,250
75-34-3	1,1-Dichloroethane	ND	1,250
107-06-2	1,2-Dichloroethane	ND	1,250
75-35-4	1,1-Dichloroethene	ND	1,250
156-60-5	trans-1,2-Dichloroethene	ND	1,250
78-87-5	1,2-Dichloropropane	ND	1,250
10061-01-5	cis-1,3-Dichloropropene	ND	1,250
10061-02-6	trans-1,3-Dichloropropene	ND	1,250
64-17-5	Ethanol	ND	1,250
100-41-4	Ethylbenzene	ND	1,250
97-63-2	Ethyl Methylacrylate	ND	1,250
591-78-6	2-Hexanone	ND	3,750
74-88-4	Iodomethane	ND	1,250
75-09-2	Methylene Chloride	ND	6,250
108-10-1	4-Methyl-2-Pentanone	ND	3,750

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11535 MW1-20
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	1,250
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,250
127-18-4	Tetrachloroethene	ND	1,250
108-88-3	Toluene	ND	1,250
71-55-6	1,1,1-Trichloroethane	ND	1,250
79-00-5	1,1,2-Trichloroethane	ND	1,250
79-01-6	Trichloroethene	ND	1,250
75-69-4	Trichlorofluoromethane	ND	1,250
96-18-4	1,2,3-Trichloropropane	ND	1,250
108-05-4	Vinyl Acetate	ND	3,750
75-01-4	Vinyl Chloride	ND	3,750
1330-20-7	m- and p-Xylenes	ND	1,250
95-47-6	o-Xylene	ND	1,250
541-73-1	1,3-Dichlorobenzene	ND	1,250
106-46-7	1,4-Dichlorobenzene	ND	1,250
95-50-1	1,2-Dichlorobenzene	ND	1,250

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11536 MW1-25
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	430	250
107-02-8	Acrolein	ND	250
107-13-1	Acrylonitrile	ND	250
71-43-2	Benzene	ND	50
75-27-4	Bromodichloromethane	ND	50
75-25-2	Bromoform	ND	50
74-83-9	Bromomethane	ND	150
78-93-3	2-Butanone	ND	250
75-15-0	Carbon Disulfide	ND	50
56-23-5	Carbon Tetrachloride	ND	50
108-90-7	Chlorobenzene	ND	50
124-48-1	Chlorodibromomethane	ND	50
75-00-3	Chloroethane	ND	150
110-75-8	2-Chloroethyl Vinyl Ether	ND	250
67-66-3	Chloroform	ND	50
74-87-3	Chloromethane	ND	150
74-95-3	Dibromomethane	ND	50
110-56-5	1,4-Dichlorobutane	ND	50
75-71-8	Dichlorodifluoromethane	ND	50
75-34-3	1,1-Dichloroethane	ND	50
107-06-2	1,2-Dichloroethane	ND	50
75-35-4	1,1-Dichloroethene	ND	50
156-60-5	trans-1,2-Dichloroethene	ND	50
78-87-5	1,2-Dichloropropane	ND	50
10061-01-5	cis-1,3-Dichloropropene	ND	50
10061-02-6	trans-1,3-Dichloropropene	ND	50
64-17-5	Ethanol	ND	50
100-41-4	Ethylbenzene	ND	50
97-63-2	Ethyl Methylacrylate	ND	50
591-78-6	2-Hexanone	ND	150
74-88-4	Iodomethane	ND	50
75-09-2	Methylene Chloride	ND	250
108-10-1	4-Methyl- -Pentanone	ND	150

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11536 MW1-25
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
100-42-5	Styrene	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	50
127-18-4	Tetrachloroethene	ND	50
108-88-3	Toluene	ND	50
71-55-6	1,1,1-Trichloroethane	ND	50
79-00-5	1,1,2-Trichloroethane	ND	50
79-01-6	Trichloroethene	ND	50
75-69-4	Trichlorofluoromethane	ND	50
96-18-4	1,2,3-Trichloropropane	ND	50
108-05-4	Vinyl Acetate	ND	150
75-01-4	Vinyl Chloride	ND	150
1330-20-7	m- and p-Xylenes	ND	50
95-47-6	o-Xylene	ND	50
541-73-1	1,3-Dichlorobenzene	ND	50
106-46-7	1,4-Dichlorobenzene	ND	50
95-50-1	1,2-Dichlorobenzene	ND	50

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11537 MW1-30
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	15,000	6,250
107-02-8	Acrolein	ND	250
107-13-1	Acrylonitrile	ND	250
71-43-2	Benzene	ND	50
75-27-4	Bromodichloromethane	ND	50
75-25-2	Bromoform	ND	50
74-83-9	Bromomethane	ND	150
78-93-3	2-Butanone	ND	250
75-15-0	Carbon Disulfide	ND	50
56-23-5	Carbon Tetrachloride	ND	50
108-90-7	Chlorobenzene	ND	50
124-48-1	Chlorodibromomethane	ND	50
75-00-3	Chloroethane	ND	150
110-75-8	2-Chloroethyl Vinyl Ether	ND	250
67-66-3	Chloroform	ND	50
74-87-3	Chloromethane	ND	150
74-95-3	Dibromomethane	ND	50
110-56-5	1,4-Dichlorobutane	ND	50
75-71-8	Dichlorodifluoromethane	ND	50
75-34-3	1,1-Dichloroethane	240	50
107-06-2	1,2-Dichloroethane	ND	50
75-35-4	1,1-Dichloroethene	ND	1,250
156-60-5	trans-1,2-Dichloroethene	ND	50
78-87-5	1,2-Dichloropropane	ND	50
10061-01-5	cis-1,3-Dichloropropene	ND	50
10061-02-6	trans-1,3-Dichloropropene	ND	50
64-17-5	Ethanol	ND	50
100-41-4	Ethylbenzene	2,200	1,250
97-63-2	Ethyl Methylacrylate	ND	50
591-78-6	2-Hexanone	ND	150
74-88-4	Iodomethane	ND	50
75-09-2	Methylene Chloride	10,000	6,250
108-10-1	4-Methyl-2-Pentanone	ND	150

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11537 MW1-30
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	50
127-18-4	Tetrachloroethane	6,300	1,250
108-88-3	Toluene	330	50
71-55-6	1,1,1-Trichloroethane	3,500	1,250
79-00-5	1,1,2-Trichloroethane	ND	50
79-01-6	Trichloroethane	270	50
75-69-4	Trichlorofluoromethane	ND	50
96-18-4	1,2,3-Trichloropropane	ND	50
108-05-4	Vinyl Acetate	ND	150
75-01-4	Vinyl Chloride	ND	150
1330-20-7	m- and p-Xylenes	5,400	1,250
95-47-6	o-Xylene	2,300	1,250
541-73-1	1,3-Dichlorobenzene	ND	50
106-46-7	1,4-Dichlorobenzene	ND	50
95-50-1	1,2-Dichlorobenzene	ND	50

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11538 MW1-35
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	85	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	16	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	39	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	6,800	6,250
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11538 MW1-35
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	1,250
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	180	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	2,400	1,250
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11539 MW1-40
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angelm3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	15,000	6,250
107-02-8	Acrolein	ND	6,250
107-13-1	Acrylonitrile	ND	6,250
71-43-2	Benzene	ND	1,250
75-27-4	Bromodichloromethane	ND	1,250
75-25-2	Bromoform	ND	1,250
74-83-9	Bromomethane	ND	3,750
78-93-3	2-Butanone	ND	6,250
75-15-0	Carbon Disulfide	ND	1,250
56-23-5	Carbon Tetrachloride	ND	1,250
108-90-7	Chlorobenzene	ND	1,250
124-48-1	Chlorodibromomethane	ND	1,250
75-00-3	Chloroethane	ND	3,750
110-75-8	2-Chloroethyl Vinyl Ether	ND	6,250
67-66-3	Chloroform	ND	1,250
74-87-3	Chloromethane	ND	3,750
74-95-3	Dibromomethane	ND	1,250
110-56-5	1,4-Dichlorobutane	ND	1,250
75-71-8	Dichlorodifluoromethane	ND	1,250
75-34-3	1,1-Dichloroethane	ND	1,250
107-06-2	1,2-Dichloroethane	ND	1,250
75-35-4	1,1-Dichloroethene	ND	1,250
156-60-5	trans-1,2-Dichloroethene	ND	1,250
78-87-5	1,2-Dichloropropane	ND	1,250
10061-01-5	cis-1,3-Dichloropropene	ND	1,250
10061-02-6	trans-1,3-Dichloropropene	ND	1,250
64-17-5	Ethanol	ND	1,250
100-41-4	Ethylbenzene	ND	1,250
97-63-2	Ethyl Methylacrylate	ND	1,250
591-78-6	2-Hexanone	ND	3,750
74-88-4	Iodomethane	ND	1,250
75-09-2	Methylene Chloride	ND	6,250
108-10-1	4-Methyl-2-Pentanone	ND	3,750

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11539 MW1-40
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
100-42-5	Styrene	ND	1,250
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,250
127-18-4	Tetrachloroethene	ND	1,250
108-88-3	Toluene	ND	1,250
71-55-6	1,1,1-Trichloroethane	ND	1,250
79-00-5	1,1,2-Trichloroethane	ND	1,250
79-01-6	Trichloroethene	ND	1,250
75-69-4	Trichlorofluoromethane	ND	1,250
96-18-4	1,2,3-Trichloropropane	ND	1,250
108-05-4	Vinyl Acetate	ND	3,750
75-01-4	Vinyl Chloride	ND	3,750
1330-20-7	m- and p-Xylenes	1,800	1,250
95-47-6	o-Xylene	ND	1,250
541-73-1	1,3-Dichlorobenzene	ND	1,250
106-46-7	1,4-Dichlorobenzene	ND	1,250
95-50-1	1,2-Dichlorobenzene	ND	1,250

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11541 BH14-5
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angel$3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	ND	31,250
107-02-8	Acrolein	ND	31,250
107-13-1	Acrylonitrile	ND	31,250
71-43-2	Benzene	ND	6,250
75-27-4	Bromodichloromethane	ND	6,250
75-25-2	Bromoform	ND	6,250
74-83-9	Bromomethane	ND	18,750
78-93-3	2-Butanone	ND	31,250
75-15-0	Carbon Disulfide	ND	6,250
56-23-5	Carbon Tetrachloride	ND	6,250
108-90-7	Chlorobenzene	ND	6,250
124-48-1	Chlorodibromomethane	ND	6,250
75-00-3	Chloroethane	ND	18,750
110-75-8	2-Chloroethyl Vinyl Ether	ND	31,250
67-66-3	Chloroform	ND	6,250
74-87-3	Chloromethane	ND	18,750
74-95-3	Dibromomethane	ND	6,250
110-56-5	1,4-Dichlorobutane	ND	6,250
75-71-8	Dichlorodifluoromethane	ND	6,250
75-34-3	1,1-Dichloroethane	ND	6,250
107-06-2	1,2-Dichloroethane	ND	6,250
75-35-4	1,1-Dichloroethene	ND	6,250
156-60-5	trans-1,2-Dichloroethene	ND	6,250
78-87-5	1,2-Dichloropropane	ND	6,250
10061-01-5	cis-1,3-Dichloropropene	ND	6,250
10061-02-6	trans-1,3-Dichloropropene	ND	6,250
64-17-5	Ethanol	ND	6,250
100-41-4	Ethylbenzene	45,000	6,250
97-63-2	Ethyl Methylacrylate	ND	6,250
591-78-6	2-Hexanone	ND	18,750
74-88-4	Iodomethane	ND	6,250
75-09-2	Methylene Chloride	ND	31,250
108-10-1	4-Methyl-2-Pentanone	ND	18,750

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11541 BH14-5
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
100-42-5	Styrene	ND	6,250
79-34-5	1,1,2,2-Tetrachloroethane	ND	6,250
127-18-4	Tetrachloroethene	ND	6,250
108-88-3	Toluene	67,000	6,250
71-55-6	1,1,1-Trichloroethane	ND	6,250
79-00-5	1,1,2-Trichloroethane	ND	6,250
79-01-6	Trichloroethene	8,700	6,250
75-69-4	Trichlorofluoromethane	ND	6,250
96-18-4	1,2,3-Trichloropropane	ND	6,250
108-05-4	Vinyl Acetate	ND	18,750
75-01-4	Vinyl Chloride	ND	18,750
1330-20-7	m- and p-Xylenes	180,000	6,250
95-47-6	o-Xylene	53,000	6,250
541-73-1	1,3-Dichlorobenzene	ND	6,250
106-46-7	1,4-Dichlorobenzene	ND	6,250
95-50-1	1,2-Dichlorobenzene	ND	6,250

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11542 BH14-10
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	41,000	31,250
107-02-8	Acrolein	ND	31,250
107-13-1	Acrylonitrile	ND	31,250
71-43-2	Benzene	ND	6,250
75-27-4	Bromodichloromethane	ND	6,250
75-25-2	Bromoform	ND	6,250
74-83-9	Bromomethane	ND	18,750
78-93-3	2-Butanone	ND	31,250
75-15-0	Carbon Disulfide	ND	6,250
56-23-5	Carbon Tetrachloride	ND	6,250
108-90-7	Chlorobenzene	ND	6,250
124-48-1	Chlorodibromomethane	ND	6,250
75-00-3	Chloroethane	ND	18,750
110-75-8	2-Chloroethyl Vinyl Ether	ND	31,250
67-66-3	Chloroform	ND	6,250
74-87-3	Chloromethane	ND	18,750
74-95-3	Dibromomethane	ND	6,250
110-56-5	1,4-Dichlorobutane	ND	6,250
75-71-8	Dichlorodifluoromethane	ND	6,250
75-34-3	1,1-Dichloroethane	ND	6,250
107-06-2	1,2-Dichloroethane	ND	6,250
75-35-4	1,1-Dichloroethene	ND	6,250
156-60-5	trans-1,2-Dichloroethene	ND	6,250
78-87-5	1,2-Dichloropropane	ND	6,250
10061-01-5	cis-1,3-Dichloropropene	ND	6,250
10061-02-6	trans-1,3-Dichloropropene	ND	6,250
64-17-5	Ethanol	ND	6,250
100-41-4	Ethylbenzene	29,000	6,250
97-63-2	Ethyl Methylacrylate	ND	6,250
591-78-6	2-Hexanone	ND	18,750
74-88-4	Iodomethane	ND	6,250
75-09-2	Methylene Chloride	ND	31,250
108-10-1	4-Methyl-2-Pentanone	ND	18,750

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11542 BH14-10
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
100-42-5	Styrene	ND	6,250
79-34-5	1,1,2,2-Tetrachloroethane	ND	6,250
127-18-4	Tetrachloroethene	ND	6,250
108-88-3	Toluene	98,000	6,250
71-55-6	1,1,1-Trichloroethane	ND	6,250
79-00-5	1,1,2-Trichloroethane	ND	6,250
79-01-6	Trichloroethene	8,400	6,250
75-69-4	Trichlorofluoromethane	ND	6,250
96-18-4	1,2,3-Trichloropropane	ND	6,250
108-05-4	Vinyl Acetate	ND	18,750
75-01-4	Vinyl Chloride	ND	18,750
1330-20-7	m- and p-Xylenes	85,000	6,250
95-47-6	o-Xylene	27,000	6,250
541-73-1	1,3-Dichlorobenzene	ND	6,250
106-46-7	1,4-Dichlorobenzene	ND	6,250
95-50-1	1,2-Dichlorobenzene	ND	6,250

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11543 BH14-15
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	ND	6,250
107-02-8	Acrolein	ND	6,250
107-13-1	Acrylonitrile	ND	6,250
71-43-2	Benzene	ND	1,250
75-27-4	Bromodichloromethane	ND	1,250
75-25-2	Bromoform	ND	1,250
74-83-9	Bromomethane	ND	3,750
78-93-3	2-Butanone	ND	6,250
75-15-0	Carbon Disulfide	ND	1,250
56-23-5	Carbon Tetrachloride	ND	1,250
108-90-7	Chlorobenzene	ND	1,250
124-48-1	Chlorodibromomethane	ND	1,250
75-00-3	Chloroethane	ND	3,750
110-75-8	2-Chloroethyl Vinyl Ether	ND	6,250
67-66-3	Chloroform	ND	1,250
74-87-3	Chloromethane	ND	3,750
74-95-3	Dibromomethane	ND	1,250
110-56-5	1,4-Dichlorobutane	ND	1,250
75-71-8	Dichlorodifluoromethane	ND	1,250
75-34-3	1,1-Dichloroethane	ND	1,250
107-06-2	1,2-Dichloroethane	ND	1,250
75-35-4	1,1-Dichloroethene	ND	1,250
156-60-5	trans-1,2-Dichloroethene	ND	1,250
78-87-5	1,2-Dichloropropane	ND	1,250
10061-01-5	cis-1,3-Dichloropropene	ND	1,250
10061-02-6	trans-1,3-Dichloropropene	ND	1,250
64-17-5	Ethanol	ND	1,250
100-41-4	Ethylbenzene	9,300	1,250
97-63-2	Ethyl Methylacrylate	ND	1,250
591-78-6	2-Hexanone	ND	3,750
74-88-4	Iodomethane	ND	1,250
75-09-2	Methylene Chloride	ND	6,250
108-10-1	4-Methyl-2-Pentanone	ND	3,750

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11544 BH14-20
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angel#3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	5,000
79-34-5	1,1,2,2-Tetrachloroethane	ND	5,000
127-18-4	Tetrachloroethene	48,000	5,000
108-88-3	Toluene	150,000	5,000
71-55-6	1,1,1-Trichloroethane	28,000	5,000
79-00-5	1,1,2-Trichloroethane	ND	5,000
79-01-6	Trichloroethene	ND	5,000
75-69-4	Trichlorofluoromethane	ND	5,000
96-18-4	1,2,3-Trichloropropane	ND	5,000
108-05-4	Vinyl Acetate	ND	15,000
75-01-4	Vinyl Chloride	ND	15,000
1330-20-7	m- and p-Xylenes	99,000	5,000
95-47-6	o-Xylene	29,000	5,000
541-73-1	1,3-Dichlorobenzene	ND	5,000
106-46-7	1,4-Dichlorobenzene	ND	5,000
95-50-1	1,2-Dichlorobenzene	ND	5,000

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11545 BH14-25
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	39,000	25,000
107-02-8	Acrolein	ND	25,000
107-13-1	Acrylonitrile	ND	25,000
71-43-2	Benzene	ND	5,000
75-27-4	Bromodichloromethane	ND	5,000
75-25-2	Bromoform	ND	5,000
74-83-9	Bromomethane	ND	15,000
78-93-3	2-Butanone	ND	25,000
75-15-0	Carbon Disulfide	ND	5,000
56-23-5	Carbon Tetrachloride	ND	5,000
108-90-7	Chlorobenzene	ND	5,000
124-48-1	Chlorodibromomethane	ND	5,000
75-00-3	Chloroethane	ND	15,000
110-75-8	2-Chloroethyl Vinyl Ether	ND	25,000
67-66-3	Chloroform	ND	5,000
74-87-3	Chloromethane	ND	15,000
74-95-3	Dibromomethane	ND	5,000
110-56-5	1,4-Dichlorobutane	ND	5,000
75-71-8	Dichlorodifluoromethane	ND	5,000
75-34-3	1,1-Dichloroethane	ND	5,000
107-06-2	1,2-Dichloroethane	ND	5,000
75-35-4	1,1-Dichloroethene	ND	5,000
156-60-5	trans-1,2-Dichloroethene	ND	5,000
78-87-5	1,2-Dichloropropane	ND	5,000
10061-01-5	cis-1,3-Dichloropropene	ND	5,000
10061-02-6	trans-1,3-Dichloropropene	ND	5,000
64-17-5	Ethanol	ND	5,000
100-41-4	Ethylbenzene	17,000	5,000
97-63-2	Ethyl Methylacrylate	ND	5,000
591-78-6	2-Hexanone	ND	15,000
74-88-4	Iodomethane	ND	5,000
75-09-2	Methylene Chloride	ND	25,000
108-10-1	4-Methyl-2-Pentanone	ND	15,000

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11545 BH14-25
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
100-42-5	Styrene	ND	5,000
79-34-5	1,1,2,2-Tetrachloroethane	ND	5,000
127-18-4	Tetrachloroethene	19,000	5,000
108-88-3	Toluene	37,000	5,000
71-55-6	1,1,1-Trichloroethane	ND	5,000
79-00-5	1,1,2-Trichloroethane	ND	5,000
79-01-6	Trichloroethene	ND	5,000
75-69-4	Trichlorofluoromethane	ND	5,000
96-18-4	1,2,3-Trichloropropane	ND	5,000
108-05-4	Vinyl Acetate	ND	15,000
75-01-4	Vinyl Chloride	ND	15,000
1330-20-7	m- and p-Xylenes	40,000	5,000
95-47-6	o-Xylene	12,000	5,000
541-73-1	1,3-Dichlorobenzene	ND	5,000
106-46-7	1,4-Dichlorobenzene	ND	5,000
95-50-1	1,2-Dichlorobenzene	ND	5,000

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11546 BH14-30
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)----	
67-64-1	Acetone	31,000	6,250
107-02-8	Acrolein	ND	6,250
107-13-1	Acrylonitrile	ND	6,250
71-43-2	Benzene	ND	1,250
75-27-4	Bromodichloromethane	ND	1,250
75-25-2	Bromoform	ND	1,250
74-83-9	Bromomethane	ND	3,750
78-93-3	2-Butanone	10,000	6,250
75-15-0	Carbon Disulfide	ND	1,250
56-23-5	Carbon Tetrachloride	ND	1,250
108-90-7	Chlorobenzene	ND	1,250
124-48-1	Chlorodibromomethane	ND	1,250
75-00-3	Chloroethane	ND	3,750
110-75-8	2-Chloroethyl Vinyl Ether	ND	6,250
67-66-3	Chloroform	ND	1,250
74-87-3	Chloromethane	ND	3,750
74-95-3	Dibromomethane	ND	1,250
110-56-5	1,4-Dichlorobutane	ND	1,250
75-71-8	Dichlorodifluoromethane	ND	1,250
75-34-3	1,1-Dichloroethane	ND	1,250
107-06-2	1,2-Dichloroethane	ND	1,250
75-35-4	1,1-Dichloroethene	ND	1,250
156-60-5	trans-1,2-Dichloroethene	ND	1,250
78-87-5	1,2-Dichloropropane	ND	1,250
10061-01-5	cis-1,3-Dichloropropene	ND	1,250
10061-02-6	trans-1,3-Dichloropropene	ND	1,250
64-17-5	Ethanol	ND	1,250
100-41-4	Ethylbenzene	ND	1,250
97-63-2	Ethyl Methylacrylate	ND	1,250
591-78-6	2-Hexanone	ND	3,750
74-88-4	Iodomethane	ND	1,250
75-09-2	Methylene Chloride	7,800	6,250
108-10-1	4-Methyl-2-Pentanone	9,300	3,750

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11546 BH14-30
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		-----ug/kg (ppb)	-----
100-42-5	Styrene	ND	1,250
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,250
127-18-4	Tetrachloroethene	ND	1,250
108-88-3	Toluene	3,300	1,250
71-55-6	1,1,1-Trichloroethane	ND	1,250
79-00-5	1,1,2-Trichloroethane	ND	1,250
79-01-6	Trichloroethene	ND	1,250
75-69-4	Trichlorofluoromethane	ND	1,250
96-18-4	1,2,3-Trichloropropane	ND	1,250
108-05-4	Vinyl Acetate	ND	3,750
75-01-4	Vinyl Chloride	ND	3,750
1330-20-7	m- and p-Xylenes	1,900	1,250
95-47-6	o-Xylene	ND	1,250
541-73-1	1,3-Dichlorobenzene	ND	1,250
106-46-7	1,4-Dichlorobenzene	ND	1,250
95-50-1	1,2-Dichlorobenzene	ND	1,250

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11547 BH14-35
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
67-64-1	Acetone	55,000	6,250
107-02-8	Acrolein	ND	6,250
107-13-1	Acrylonitrile	ND	6,250
71-43-2	Benzene	ND	1,250
75-27-4	Bromodichloromethane	ND	1,250
75-25-2	Bromoform	ND	1,250
74-83-9	Bromomethane	ND	3,750
78-93-3	2-Butanone	15,000	6,250
75-15-0	Carbon Disulfide	ND	1,250
56-23-5	Carbon Tetrachloride	ND	1,250
108-90-7	Chlorobenzene	ND	1,250
124-48-1	Chlorodibromomethane	ND	1,250
75-00-3	Chloroethane	ND	3,750
110-75-8	2-Chloroethyl Vinyl Ether	ND	6,250
67-66-3	Chloroform	ND	1,250
74-87-3	Chloromethane	ND	3,750
74-95-3	Dibromomethane	ND	1,250
110-56-5	1,4-Dichlorobutane	ND	1,250
75-71-8	Dichlorodifluoromethane	ND	1,250
75-34-3	1,1-Dichloroethane	ND	1,250
107-06-2	1,2-Dichloroethane	ND	1,250
75-35-4	1,1-Dichloroethene	ND	1,250
156-60-5	trans-1,2-Dichloroethene	ND	1,250
78-87-5	1,2-Dichloropropane	ND	1,250
10061-01-5	cis-1,3-Dichloropropene	ND	1,250
10061-02-6	trans-1,3-Dichloropropene	ND	1,250
64-17-5	Ethanol	ND	1,250
100-41-4	Ethylbenzene	ND	1,250
97-63-2	Ethyl Methylacrylate	ND	1,250
591-78-6	2-Hexanone	ND	3,750
74-88-4	Iodomethane	ND	1,250
75-09-2	Methylene Chloride	ND	6,250
108-10-1	4-Methyl-2-Pentanone	6,300	3,750

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11547 BH14-35
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	1,250
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,250
127-18-4	Tetrachloroethene	ND	1,250
108-88-3	Toluene	1,600	1,250
71-55-6	1,1,1-Trichloroethane	ND	1,250
79-00-5	1,1,2-Trichloroethane	ND	1,250
79-01-6	Trichloroethene	ND	1,250
75-69-4	Trichlorofluoromethane	ND	1,250
96-18-4	1,2,3-Trichloropropane	ND	1,250
108-05-4	Vinyl Acetate	ND	3,750
75-01-4	Vinyl Chloride	ND	3,750
1330-20-7	m- and p-Xylenes	ND	1,250
95-47-6	o-Xylene	ND	1,250
541-73-1	1,3-Dichlorobenzene	ND	1,250
106-46-7	1,4-Dichlorobenzene	ND	1,250
95-50-1	1,2-Dichlorobenzene	ND	1,250

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11548 BH14-40
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		-----ug/kg(ppb)-----	
67-64-1	Acetone	ND	6,250
107-02-8	Acrolein	ND	6,250
107-13-1	Acrylonitrile	ND	6,250
71-43-2	Benzene	ND	1,250
75-27-4	Bromodichloromethane	ND	1,250
75-25-2	Bromoform	ND	1,250
74-83-9	Bromomethane	ND	3,750
78-93-3	2-Butanone	ND	6,250
75-15-0	Carbon Disulfide	ND	1,250
56-23-5	Carbon Tetrachloride	ND	1,250
108-90-7	Chlorobenzene	ND	1,250
124-48-1	Chlorodibromomethane	ND	1,250
75-00-3	Chloroethane	ND	3,750
110-75-8	2-Chloroethyl Vinyl Ether	ND	6,250
67-66-3	Chloroform	ND	1,250
74-87-3	Chloromethane	ND	3,750
74-95-3	Dibromomethane	ND	1,250
110-56-5	1,4-Dichlorobutane	ND	1,250
75-71-8	Dichlorodifluoromethane	ND	1,250
75-34-3	1,1-Dichloroethane	ND	1,250
107-06-2	1,2-Dichloroethane	ND	1,250
75-35-4	1,1-Dichloroethene	ND	1,250
156-60-5	trans-1,2-Dichloroethene	ND	1,250
78-87-5	1,2-Dichloropropane	ND	1,250
10061-01-5	cis-1,3-Dichloropropene	ND	1,250
10061-02-6	trans-1,3-Dichloropropene	ND	1,250
64-17-5	Ethanol	ND	1,250
100-41-4	Ethylbenzene	2,600	1,250
97-63-2	Ethyl Methylacrylate	ND	1,250
591-78-6	2-Hexanone	ND	3,750
74-88-4	Iodomethane	ND	1,250
75-09-2	Methylene Chloride	ND	6,250
108-10-1	4-Methyl-2-Pentanone	ND	3,750

D.L. = Detection Limit
ND = Not Detected

Sample I.D.: 11548 BH14-40
Date Received: 6/26/90
Date Analyzed: 7/10/90
Matrix: Soil
Project #: 185016.02
File #: angels3.rep

CAS #	Compound	Result	D.L.
		----ug/kg(ppb)	----
100-42-5	Styrene	ND	1,250
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,250
127-18-4	Tetrachloroethene	1,400	1,250
108-88-3	Toluene	2,400	1,250
71-55-6	1,1,1-Trichloroethane	1,800	1,250
79-00-5	1,1,2-Trichloroethane	ND	1,250
79-01-6	Trichloroethene	ND	1,250
75-69-4	Trichlorofluoromethane	ND	1,250
96-18-4	1,2,3-Trichloropropane	ND	1,250
108-05-4	Vinyl Acetate	ND	3,750
75-01-4	Vinyl Chloride	ND	3,750
1330-20-7	m- and p-Xylenes	5,800	1,250
95-47-6	o-Xylene	2,500	1,250
541-73-1	1,3-Dichlorobenzene	ND	1,250
106-46-7	1,4-Dichlorobenzene	ND	1,250
95-50-1	1,2-Dichlorobenzene	ND	1,250

D.L. = Detection Limit
ND = Not Detected

MEMO

To: Dan Roeser

From: Curtis B. Jenkins July 12, 1990

Job No.: 0185016.02 Page 1 of 2

LABORATORY REPORT

Samples: Two (2) water samples from Angeles Chemical, Santa Fe Springs, CA one (1) sample analyzed the other archived. Received 6/27/90 and analyzed 7/11/90.

EPA 624 - see attached sheet

David Sincarbeaux
Chemist

Curtis B. Jenkins
Vice President
Analytical Services

angels4.rep

Addendum Report, EPA 624

Sample I.D.: 11550 MW1-1
Date Received: 6/27/90
Date Analyzed: 7/11/90
Matrix: Water
Project #: 185016.02
File #: angels4.rep

CAS #	Compound	Result	D.L.
		-----ug/L(ppb)	-----
71-43-2	Benzene	10	5
75-27-4	Bromodichloromethane	ND	5
75-25-2	Bromoform	ND	5
74-83-9	Bromomethane	ND	30
56-23-5	Carbon Tetrachloride	ND	5
108-90-7	Chlorobenzene	ND	5
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	5
74-87-3	Chloromethane	ND	30
124-48-1	Dibromochloromethane	ND	5
95-50-1	1,2-Dichlorobenzene	ND	5
541-73-1	1,3-Dichlorobenzene	ND	5
106-46-7	1,4-Dichlorobenzene	ND	5
75-34-3	1,1-Dichloroethane	21	5
107-06-2	1,2-Dichloroethane	ND	5
75-35-4	1,1-Dichloroethene	270	5
156-60-5	trans-1,2-Dichloroethene	240	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	cis-1,3-Dichloropropene	ND	5
10061-02-6	trans-1,3-Dichloropropene	ND	5
100-41-4	Ethylbenzene	ND	5
75-09-2	Methylene Chloride	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	5
127-18-4	Tetrachloroethene	100	5
108-88-3	Toluene	10	5
71-55-6	1,1,1-Trichloroethane	120	5
79-00-5	1,1,2-Trichloroethane	ND	5
79-01-6	Trichloroethene	210	5
75-69-4	Trichlorofluoromethane	ND	5
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	9	5
95-47-6	o-Xylene	9	5

D.L. = Detection Limit
ND = Not Detected

CHAIN OF CUSTODY RECORD

SCS ENGINEERS
Environmental Engineers
3711 Long Beach Blvd
Ninth Floor
Long Beach, CA
90807-3315
(213) 426-9544
FAX (213) 427-0805

PERSONNEL

Sampler (Signature) _____

Phone _____

Field Crew Supervisor _____

Field Company _____

Project Geologist/Engineer _____

SITE INFORMATION

Job Name _____

Job Number _____

Sample Location _____

P.O. Number _____

Relinquished by (Signature)	Received by (Signature)	Date	Time
	G. R. [illegible]	1/19/94	[illegible]
Relinquished by (Signature)	**Received by (Signature)**	**Date**	**Time**

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Archive	[illegible]
					Archive	
					~~Archive~~ 8240	
					8240	
					Archive	
					8240	
					8240	
					Archive ~~[illegible]~~	
					8240	
					8240	
					8240	
					~~Archive~~ 8240	
					8240	
					Archive	
					8240	
					8240	
					8240 ~~Archive~~	

Remarks: [illegible]

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Ninth Floor
Long Beach, CA
90807-2315
(213) 426-9544
FAX (213) 427-0805

PERSONNEL

Sampler (Signature) _____

Phone _____

Field Crew Supervisor _____

Field Company _____

Project Geologist/Engineer _____

SITE INFORMATION

Job Name _____

Job Number _____

Sample Location _____

P.O. Number _____

Relinquished by (Signature)	Received by (Signature)	Date	Time
Relinquished by (Signature)	**Received by (Signature)**	**Date**	**Time**

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
					8240	Cold
					8240	
					8240	
					8240	
					8240	
					8240	
					8240	
					8240	
					8240	
					8240	
					8240	
					8240	
					8240	
					8240	
					8240	
					~~8240~~ Archive	
					8240	
					8240	
					8240	

Remarks: _____

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Long Beach, CA
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(213) 426-9544
FAX (213) 427-0805

PERSONNEL

Sampler (Signature) _____

Phone _____

Field Crew Supervisor _____

Field Company _____

Project Geologist/Engineer _____

SITE INFORMATION

Job Name _____

Job Number _____

Sample Location _____

P.O. Number _____

Relinquished by (Signature)	Received by (Signature)	Date	Time
	[illegible]	1/[illegible]	[illegible]
Relinquished by (Signature)	**Received by (Signature)**	**Date**	**Time**

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
[illegible]		1	[illegible]	[illegible]	Archive	Cold
[illegible]		1	[illegible]	[illegible]	8240	
[illegible]			[illegible]		8240	
					8240	
					8240	

Remarks: will call in analyses

CHAIN OF CUSTODY RECORD

SCS ANALYTICAL LABORATORY

PERSONNEL		SITE INFORMATION	
Name (signature)	[signature]	Job Name	Angelus Chemical
Name (print)	Daniel Rocker	Job Number	0185016.01
Company	SCS	Sample Location	Santa Fe Springs, CA
Address			
City, State, Zip			
Telephone		P.O. Number	

Relinquished by (Signature)	Received by (Signature)	Date	Time
[signature]	[signature]	1/5/90	1:30 p.m.
Relinquished by (Signature)	Received by (Signature)	Date	Time

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
12601	Soil	1	S-1	4/5/90	8240	ok
12602	Soil	1	S-2	4/5/90	8240 + 418.1	↓

Remarks: Normal turnaround!

CHAIN OF CUSTODY RECORD

SCS ENGINEERS
Environmental Engineers
3711 Long Beach Blvd
Ninth Floor
Long Beach, CA
90807-3315
(213) 426-9544
FAX (213) 427-0805

PERSONNEL

Sampler (Signature) [illegible]

Phone

Field Crew Supervisor Dan R

Field Company SCS

Project Geologist/Engineer Dan R

SITE INFORMATION

Job Name Angeles Chemical

Job Number 0185016.02

Sample Location Santa Fe Springs

P.O. Number

Relinquished by (Signature)	Received by (Signature)	Date	Time
[illegible]	[illegible]	[illegible] 90	[illegible]
Relinquished by (Signature)	Received by (Signature)	Date	Time

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
11501	Soil	1	BH9-5	6/25/90	8240	OK
11502			BH9-10		Archive	
11504			BH9-15		8240	
11505			BH9-20		Archive	
11506			BH9-25		8240	
11507			BH9-30		Archive	
11508			BH10-5		Arch	
11509			BH10-10		8240	
11510			BH10-15		Arc	
11511			BH10-20		8240	
11512			BH11-5		Arc	
11513			BH11-10		Arc	
11515			BH11-15		Arc	
11516			BH11-20		Arc	
11517			BH11-25		8240	
11518			BH11-30		8240	
11519			BH11-35		8240	

Remarks:

CHAIN OF CUSTODY RECORD

SCS ENGINEERS
Environmental Engineers
3711 Long Beach Blvd
North Floor
Long Beach, CA
90807-2315
(213) 426-9544
FAX (213) 427-0805

PERSONNEL

Sampler (Signature) [illegible]

Phone

Field Crew Supervisor Dan R

Field Company SCS

Project Geologist/Engineer Dan R

SITE INFORMATION

Job Name Angels Chemical

Job Number 01 85016 02

Sample Location Santa Fe Springs

P.O. Number

Relinquished by (Signature)	Received by (Signature)	Date	Time
[illegible]	[illegible]	[illegible]	5 PM
Relinquished by (Signature)	Received by (Signature)	Date	Time

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
11520	[illegible]	1	BH12-5	6/25/90	Arc	[illegible]
11521			BH12-10		8240	
11522			BH12-15		Arc	
11523			BH12-20		8240	
			~~BH13-5~~			
11525			BH13-10		Arc	
11526			BH13-15		8240	
11527			BH13-20		Archive	
11528			BH13-25		Arc	
11529			BH13-30		8240	
11530			BH13-35		Arc	
11531			BH13-40		8240	

Remarks:

CHAIN OF CUSTODY RECORD

SCS ENGINEERS
Environmental Engineers
3711 Long Beach Blvd
Ninth Floor
Long Beach, CA
90807-3315
(213) 426-9544
FAX (213) 427-0805

PERSONNEL

Sampler (Signature) [signature]

Phone

Field Crew Supervisor [signature]

Field Company SCS

Project Geologist/Engineer [signature]

SITE INFORMATION

Angeles Chemical

Job Name Q8501602

Job Number

Sample Location Santa Fe Springs

P.O. Number

Relinquished by (Signature)	Received by (Signature)	Date	Time
[signature]	[signature]	[illegible]	[illegible]
Relinquished by (Signature)	Received by (Signature)	Date	Time

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
11532	S	1	MW1-5	6/26/90	Archive	
11533			MW1-10		8240	
11534			MW1-15		8240	
11535			MW1-20		8240	
11536			MW1-25		8240	
11537			MW1-30		8240	
11538			MW1-35		8240	
11539			MW1-40		8240	
11540			MW1-45		Archive	
			~~MW1-50~~			
			~~MW1-55~~			
			~~MW1-60~~			
11541	S	1	BH14-5	6/26/90	8240	
11542			BH14-10		8240	
11543			BH14-15		8240	
11544			BH14-20		8240	
11545			BH14-25		8240	

Remarks:

CHAIN OF CUSTODY RECORD

SCS ANALYTICAL LABORATORY

PERSONNEL

Name (signature) [illegible]

Name (print) [illegible]

Company SCS

Address

City, State, Zip

Telephone

SITE INFORMATION

Job Name Angeles Chemical

Job Number 01850 16.02

Sample Location Santa Fe Springs

P.O. Number

Relinquished by (Signature)	Received by (Signature)	Date	Time
[illegible]	[illegible]	6/26/90	5:55P
Relinquished by (Signature)	**Received by (Signature)**	**Date**	**Time**

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
11546	S	1	BH14-30	6/26/90	8240	
11547			BH14-35		8240	
11548			BH14-40		8240	

Remarks:

CHAIN OF CUSTODY RECORD

SCS ANALYTICAL LABORATORY

PERSONNEL

Name (signature) [signature]

Name (print) Daniel Roeser

Company SCS

Address

City, State, Zip

Telephone

SITE INFORMATION

Job Name Angeles Chemical

Job Number 01R5016.02

Sample Location Santa Fe Springs

P.O. Number

Relinquished by (Signature)	Received by (Signature)	Date	Time
[signature]	[signature]		
Relinquished by (Signature)	Received by (Signature)	Date	Time

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
1550	Water	1	MW1-1	6/27/90	624	[illegible]
1551	"	5	MW1-2	"	Archive	"

Remarks: