SDMS DOCID # 1150089

Site Investigation
BC Santa Fe Springs LLC
11240 Bloomfield Avenue
Santa Fe Springs, California

Prepared for

Allen, Matkins, Leck, Gamble & Mallory LLP
18400 Von Karman, 4th Floor
Irvine, California 92612

HLA Project No. 38878 1

Andrew Keller for:
Vikas Mathur
Staff Geologist

Andrew Keller
Principal Environmental Scientist
Project Manager

December 18, 1997

Harding Lawson Associates
Engineering and Environmental Services
30 Corporate Park, Suite 400
Irvine, California 92606 - (714) 260-1800

TURNER

SC
1/5/98

December 22, 1997

Mr. Steve Koester
City of Santa Fe Springs
Fire Department
11300 Greenstone
Santa Fe Springs, CA 90670

RE: 11240 Bloomfield, Santa Fe Springs

Dear Mr. Koester:

Enclosed please find a site investigation report dated December 18, 1997 prepared by Harding Lawson Associates on the Balboa Pacific postion of the above referenced property. If you should have any questions concerning this report, please call Rusty Turner at 714-757-5400.

Sincerely,

Susan Drummy

Susan Drummy

cc: Rusty Turner
Enclosure
via Federal Express

Turner Development Corporation
1200 Quail Street, Suite 160
Newport Beach, California 92660
714.955.9131/FAX 714.955.1328

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DISTRIBUTION

EXECUTIVE SUMMARY

This report summarizes site assessment, investigation, and removal activities (Site Activities) performed at BC Santa Fe Springs LLC (Balboa Pacific), 11240 Bloomfield Avenue, Santa Fe Springs, California (Site) during the period of April through September 1997. Refer to Figure 1 for a Site Location Map.

Based on the analysis of the data from soil, sludge, and water samples collected during the site investigation by HLA and the UST, clarifier and piping removal operations conducted by The Reynolds Group, the BC Santa Fe Springs LLC site shows chemical concentrations that either fall below the established U.S. Environmental Protection Agency (EPA) preliminary remediation goals (PRG) or are within the range of background soil concentration levels established for native soil metal concentrations. There does not appear to be a need for further investigation based on the analytical results of the samples collected by HLA.

1.0 INTRODUCTION

This report summarizes site assessment, investigation, and removal activities (Site Activities) performed at BC Santa Fe Springs LLC (Balboa Pacific), 11240 Bloomfield Avenue, Santa Fe Springs, California (Site) during the period of April through September 1997. Refer to Figure 1 for a Site Location Map.

The Site Activities were conducted as part of a potential sale and redevelopment of the Site. In summary, Site Activities included the following:

- Phase I environmental site assessment performed by Environmental Partners, Inc. (EPI)
- Phase II subsurface soil sampling at historical potential areas of environmental concern by Harding Lawson Associates (HLA)
- Underground storage tank (UST), clarifier, and associated piping removal by The Reynolds Group (TRG) with oversight by Santochi & Bravante LLC (S&B)
- Comprehensive report preparation of all Site Activities by HLA

This document was prepared for the sole use of Allen, Matkins, Leck, Gamble & Mallory LLP (AMLGM), BalBoa Pacific, and its successors and assignees and may be relied upon by such successor(s) or assignee(s). No other party should rely on the information contained herein without prior written consent of HLA, AMLGM, and Balboa Pacific.

Section 1.0 provides an executive summary. Section 2.0 provides a summary of Site Activities. Section 3.0 provides a Site description. Section 4.0 describes the regional and Site-specific hydrogeology. Section 5.0 provides a brief background description of the Site. Section 6.0 provides a description of the subsurface investigation and removal activities. Section 7.0 presents the conclusions of the Site investigation.

2.0 SITE DESCRIPTION

2.1 Site Description and Operations

The Site is located at 11240 Bloomfield Avenue, Santa Fe Springs, California, on the east side of Bloomfield Avenue, approximately 900 feet south of the intersection of Bloomfield Avenue and Lakeland Road. The Site is bounded on the north, east, and south by commercial/industrial operations. The Site is bordered by the former Texaco/Walker facility on the north (currently a field); an Atchison, Topeka, and Santa Fe Railroad right-of-way on the east; the Kelly Pipe Company property on the south, and Bloomfield Avenue on the west. Surrounding land use includes petrochemical refining operations and hydrocarbon product storage within a 1-mile radius of the Site. Additional commercial/industrial operations are present adjacent to the Site. An active oil field is located approximately 1/2 mile north of the Site. Metropolitan State Hospital is directly across Bloomfield Avenue to the west, in the city of Norwalk. A portion of the Powerine Oil Company (Powerine) refinery is located to the northwest across Lakeland Road. Land use becomes predominantly residential between 1 and 3 miles from the Site. No national or state parks, agricultural areas, forests, wetlands, or wildlife reserves are located within a 3-mile radius of the Site. One closed landfill is located approximately 2-1/2 miles southeast of the Site.

The Site is used for fabricating industrial boilers and heat exchangers, and for building and testing a pyrolysis plant for the treatment of hazardous wastes. The Balboa Pacific facilities include a materials storage/fabrication yard. Large portions of the Site are used for the storage of various types of equipment, inoperable vehicles, parts, materials, and chemicals.

As of this report date, it is understood that operations at Balboa Pacific have ceased.

2.2 Site Vicinity

The Site is located in an area of historically heavy industrial activity, as a consequence, at least 102 properties and businesses within an approximately 1-mile radius of the Site have been identified on one or more environmental regulatory lists, such as the National Priorities List, Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), Cortese List, or Abandoned Site Program Information System (ASPIS). A number of these properties, several of which are close to and upgradient of the Site, have documented groundwater contamination problems that involve petroleum hydrocarbons and/or organic solvents (HLA, 1994).

Powerine, Ashland Chemical Company (Ashland), and Yozya-Shoemaker Industrial Park (Yozya) are the three closest upgradient facilities that have groundwater contamination. Liquid hydrocarbon product was present at the Powerine facility in Well MW-203 (upgradient of the site, across Lakeland Road) in September and November 1993. Liquid hydrocarbons have been present in most other wells at the Powerine facility in recent years. Dissolved petroleum and chlorinated hydrocarbons are present at the Powerine facility and to the south beneath Metropolitan State Hospital. This area of contamination is north and west (upgradient and crossgradient) of the Site. Dissolved petroleum and chlorinated hydrocarbons northwest of the Site are likely related to the Powerine contamination (HLA, 1994). The extent of the groundwater contamination upgradient of the Site at Ashland and Yozya are discussed below.

Ashland is located at 10505 Painter Avenue in the city of Santa Fe Springs, approximately 3/4 mile northeast and directly upgradient of the Site. Ashland has historically been used for the storage, blending, and distribution of petroleum fuels, organic solvents, and acids since the late 1950s. As of 1991, nonaqueous-phase liquids (NAPLs) and organic vapors were being recovered through groundwater (20,000 gallons per day) and vapor extraction systems. Triannual reports on groundwater monitoring and sampling were prepared and sent to the Regional Water Quality Control Board (RWQCB) by Ashland in 1990 and 1991. Dissolved contaminants detected at Ashland include trichloroethene (TCE); 1,1-dichloroethane (1,1-DCA); 1,2-dichloroethane; 1,1,1-trichloroethane; tetrachloroethene (PCE); 1,1-dichloroethene (1,1-DCE); vinyl chloride; methylene chloride; benzene; and toluene (HLA, 1994).

The Yozya site is located at 10600 Shoemaker Avenue in the city of Santa Fe Springs. This site was formerly owned by Mobil Oil Corporation and was used to conduct oil well drilling operations, which included the use of drilling-mud sumps. Groundwater beneath the site has been found to be contaminated with fuel hydrocarbons and chlorinated volatile organic compounds (VOCs). Dissolved contaminants detected at Yozya include TCE, 1,1-DCA, 1,1-DCE, PCE, vinyl chloride, methylene chloride, benzene, and tetrahydrofuran. During July 1989, a groundwater sample collected from a downgradient, offsite well, located approximately 1/4 mile northeast of the Site, was found to contain benzene (170 micrograms per liter [μg/l]), 1,1-DCA (710 μg/l), and vinyl chloride (430 μg/l) (HLA, 1994).

The RWQCB wrote groundwater contamination clearance letters for the Yozya site in March 1989 and for the McGranaham Carlson Commerce Center, which is across Shoemaker Avenue from Yozya, in July 1991. The letters absolved the site owners of responsibility for groundwater contamination beneath their sites. The RWQCB concluded that the groundwater contamination beneath the two sites originated from offsite sources to the north and east.

3.0 GEOLOGY AND HYDROGEOLOGY

3.1 Regional Geology

The Site is located on the Santa Fe Springs Plain area of the Los Angeles Coastal Plain at approximately 135 feet above Mean Sea Level (MSL). The Santa Fe Springs Plain has been slightly warped by the Santa Fe Springs-Coyote Hills anticlinal system and dips gently to the northeast in the vicinity of the Site. Prominent area features include the Puente and Coyote Hills to the northeast, east, and southeast, and the San Gabriel River to the west. The Coastal Plain area generally consists of alluvial materials deposited by the Los Angeles, San Gabriel, and Santa Ana Rivers during the late Pleistocene.

In the Site vicinity, the Santa Fe Springs Plain consists of the late Pleistocene alluvium of the Lakewood Formation. The Lakewood Formation unconformably overlies the lower Pleistocene San Pedro Formation and the Pliocene Pico Formation. The Lakewood Formation consists of interbedded clays, silts, silty sands, and sands representative of stream-type alluvial and flood-plain deposits. In the Site vicinity, the Lakewood Formation ranges from 100 to 180 feet thick and is composed of three hydrostratigraphic units: the Bellflower aquiclude (upper unit), the Exposition aquifer, and the Gage aquifer. The Exposition and Gage aquifers consist of predominantly sands and fine gravels with discontinuous, thin-bedded silts, and clays. The San Pedro Formation is found beneath the Lakewood Formation. In the Site vicinity, the San Pedro Formation is approximately 750 thick and consists of stratified silt, silty sand, sand, and gravel. Based on field observations during soil sampling activities, the Site soils are composed of brown sandy silts with some gray clay layers.

3.2 Hydrogeology

The uppermost aquifer sands in this region of Santa Fe Springs are the Exposition and Gage aquifers. The Gage aquifer base also represents the base of the Lakewood Formation. Presently, the City of Santa Fe Springs does not operate any wells that extract groundwater from the Exposition or Gage aquifers (HLA, 1994).

The uppermost aquifer in the San Pedro Formation is the Hollydale. Maximum thickness of the discontinuous Hollydale aquifer in the Site vicinity is approximately 40 feet; the aquifer may extend from approximately 275 to 315 feet below ground surface (bgs). The Jefferson aquifer underlies the Hollydale aquifer and is separated from it by aquicludes of the San Pedro Formation. Sediments within the aquifer consist of clayey sand, sand, and gravelly sand. Less than 10 percent of the wells in the Central Basin are perforated in this zone, which is not considered an important water-producing aquifer.

Deeper aquifers (including the Lynwood and the underlying Silverado and Sunnyside) are the major water-producing zones in the area. These aquifers have all been affected, to some extent, by structural folding and faulting. Structural lows, created by faulting and synclinal folding, have formed groundwater reservoirs in these zones. The aquifers range in thickness from less than 50 to 500 feet. Aquifer sediments generally consist of coarse-grained sands and gravels interbedded with lenses of silt and clay. Aquifer zones are separated by aquicludes. Well yields range up to 4,700 gallons per minute.

3.3 Subsurface Flow

Depth to groundwater ranges from 85 feet (Powerine refinery) to 100 feet (northeast of the Site) to 107 feet (southwest of the Site). Saturated thickness within the Exposition aquifer ranges from 20 feet (Powerine refinery) to 0 feet (southwest of the Site) under unconfined conditions. Slug and pump tests performed at the Powerine refinery indicate a transmissivity range of 124 to 13,613 gallons per day per foot within this upper aquifer. These aquifer test results were interpreted to indicate a highly heterogeneous aquifer containing significant boundary effects. Hydraulic gradients at the Site and in the vicinity range from 0.008 to 0.011, with groundwater flow directions to the south-southwest (HLA, 1994).

3.4 Water Quality

Water quality information was taken from HLA's Remedial Investigation Report (HLA, 1994). To assess current and historical groundwater quality at the Site, HLA reviewed reports of previous investigations by other consultants and contacted state and local agencies. The individuals contacted include Ms. Denise Kruger of the Southern California Water Company, Mr. Kenneth Reich of the Central Basin Municipal Water District, Mr. Ron Hughes of the City of Santa Fe Springs, and Mr. Richard Gebhert of the Department of Toxic Substances Control (DTSC). Five production wells are located within a 1-mile radius of the Site. They are screened between 200 and 700 feet bgs and produce water from the Jefferson/ Lynwood/Silverado/Sunnyside aquifers.

Data made available by the agencies and review of previous reports by HLA and other consultants indicate that in general, the upper aquifers (Exposition/Gage/Hollydale) are not considered potable and are not used for domestic water production. The uppermost aquifer is known to be contaminated with VOCs and other chemicals. Underlying aquifers (Jefferson/Lynwood/Silverado/Sunnyside) are used for domestic wells, although the nearest well to the Site is approximately 1 mile to the west.

4.0 BACKGROUND BY HLA AND EPI

The Balboa Pacific Site occupies the southwest portion of a larger property known as the Walker Property (Property) which is currently owned by BC Santa Fe Springs LLC. The Property has been owned and/or used by a number of different entities since the 1920s. The Property has been used for the storage of crude oil, refined product, and waste oil and the storage and disposal of oil well drilling fluids. Additionally, a number of other companies have operated at the Property . A brief description of the history and background of the Property follows (HLA, 1994).

4.1 Julia Baker and Baker Oil

Julia Baker owned the Property throughout the 1920s and possibly before. During this time, it appears that the Property, as well as adjacent properties, were utilized in connection with the development of oil fields in the region. Ms. Baker sold the Property to Getty Oil Company (Getty) in 1934 but reserved rights to subsurface minerals and a right of access to the surface to utilize those rights. Ms. Baker's heirs and their assign, Baker Oil, entered several amendments with Getty with respect to rights of access to the Property under the reservation of subsurface minerals. It is unclear what drilling activities Baker Oil may have conducted under this reservation of rights or to whom it may have granted oil and gas leases.

4.2 Getty Oil Company

Getty reportedly leased the Property during the 1920s and then purchased the Property on May 26, 1934, from the J.W. Baker family, owners of the Property since 1887. Getty is reported to have used the Property from the 1920s until 1964 to store crude oil and dispose of offsite-derived oil-well drilling fluids/muds. At various periods during Getty's tenure at the Property, there were five large aboveground storage tanks (AGSTs), 24 small AGSTs, and 7 earthen sumps onsite. From as early as 1953, but no later than 1964, Getty leased various portions of the Property as described below. Getty sold the Property to Mr. & Mrs. Walker on June 14, 1979.

Getty was acquired by Texaco, Inc. (Texaco) in 1984 through a stock purchase. Getty's name was subsequently changed to Four Star Oil and Gas Company (Four Star).

4.3 Lakewood Oil Service, Inc., Shields Oil Company, Southland Oil Company, and Refining Associates

Possibly as early as 1953, and no later than 1965, Getty leased the northwestern corner of the Property (11020 Bloomfield Avenue) to Lakewood Oil Service, Inc. (Lakewood). Lakewood was apparently

founded in approximately 1953. Its operations included picking up and storing used crankcase motor oils and other waste oils until the oils could be recycled. Lakewood also used its vacuum trucks to pick up materials from offsite washdown sumps and to pick up used, contaminated oils from various industries. Hazardous waste manifests from 1983 (on file with the DTSC) indicate that various generators sent waste oils, possibly containing polychlorinated biphenyls (PCBs), to Lakewood at the Property. A Lakewood principal has stated that a corporation known as Refining Associates leased the three AGSTs on the northern portion of the Lakewood section and received waste oil from Lakewood, Southland Oil Company, and Shields Oil Company, most likely during the late 1960s through the 1970s, using these tanks as a waste-oil transfer facility. These companies appear to have brought waste oil to the Property in vacuum trucks and discharged it into a 12,000-gallon underground storage tank (UST). The waste oil was pumped from the UST through various filters into several AGSTs, including the three large AGSTs on the north end of the Lakewood section, for eventual resale. Lakewood's principal reports that Refining Associates sold the recycled oil to Eddington Oil, which in turn brokered the oil to Occidental Petroleum. Lakewood reportedly filed for bankruptcy and vacated the Property in 1983.

4.4 Rothschild Oil Company and Powerine Oil Company

Early in its investigations, the DTSC named the Property "The Rothschild Oil Site" and then later changed the name to "The 1956-65 Sump Site." Notes from DTSC investigations suggest that there is evidence of Rothschild operations at the Property in 1957. Accordingly, when Powerine was formed in 1959 to continue Rothschild's operations, it likely also operated at the Property. It had previously been assumed that Powerine did not operate at the Property until 1968. This assumption was based on the fact that in responding to a DTSC Request for Information (the "Response"), Powerine stated it had no records available prior to 1968. The fact that (1) Rothschild began operations in the late 1950s, (2) the DTSC initially named the Property the Rothschild Oil Site, (3) Powerine was formed to continue Rothschild's operations, and (4) the Response is based only on available records suggests Rothschild and Powerine were operating at the Property from 1957 onward.

In 1968, Powerine entered into a lease with Getty for the two AGSTs (80,000 barrels each) on the southwest portion of the Property. (Powerine currently operates a refinery located northwest of the Property, immediately across Lakeland Road.) Underground pipelines along Bloomfield Avenue connected these AGSTs to the refinery. In the Response, Powerine stated that it stored and transferred jet fuel and gas oil at the Property between 1971 and 1983 and that between 1969 and 1975, it received butane and liquefied petroleum gas from incoming railcars via a loading facility on the eastern portion of the Property. Powerine transferred fuel oil via pipeline to the loading facility and then onto railcars along the eastern property line from 1976 until 1978 and also loaded liquid asphalt onto railcars at the Property

between 1981 and 1982. In 1982, Powerine became master tenant of the entire Property. In March 1984, Powerine filed for bankruptcy. Following the bankruptcy, Powerine appears to have remained at the property in some capacity and entered into further leases as debtor-in-possession.

4.5 The Mohawk Entities: Mohawk Manufacturing, Inc., Mohawk Trailer, and Mohawk Sales, Inc.

Evidence suggests that three related Mohawk entities had operations on the Lakewood section starting in 1960 to as late as 1974. A foundation inspection in 1960 for Mohawk Manufacturing appears to be for the same building later occupied by Norwalk Manufacturing, another tenant at the Property, which is discussed below. Also, various electrical permits issued to Mohawk Manufacturing show activity at the Property from 1960 to 1965. Mohawk was issued a permit by the City of Santa Fe Springs to install a 6,000-gallon UST and pump at 11120 Bloomfield Avenue. Mohawk is reported to have used its leased area of the Property for sales of commercial transport and utility trailers. Based on this reported activity, it has been presumed that the UST was used to store diesel fuel.

4.6 A&J Diesel and Norwalk Disposal Service

In 1974, Getty leased the portion of the Property formerly occupied by Mohawk to Norwalk Disposal Service (Norwalk), a trash collection business owned and operated by Walker. Norwalk stored empty trash trucks and containers at the Property and performed maintenance and cleaning activities. After the Property was purchased from Getty by Walker in 1979, Norwalk continued to occupy its leasehold. A&J Diesel occupied the Norwalk leasehold along with Norwalk during 1973 and was in the business of repairing diesel trucks. A&J Diesel was reportedly still operating as late as 1978, repairing vehicles for Norwalk. Evidence suggests that in the 1974-1980 timeframe, Norwalk installed a 10,000-gallon UST to the south of its building.

4.7 Gross Construction

Walker leased the central portion of the Property (12600 Lakeland Road) to Gross Construction in 1981 to store heavy construction equipment, tractor trailer trucks, and several work trailers. Gross Construction also maintained a 12,000-gallon diesel fuel AGST surrounded by a containment wall on the southeastern portion of the Lakewood section. A Notice of Violation in 1984 from the City of Santa Fe Springs indicates that Gross Construction had discarded waste oil "all over" the middle portion of the Property. Gross Construction occupied a portion of the Property until 1989.

4.8 AIRCO Industrial Gases

An additional portion of the southern section of the Property was leased to Powerine by Walker in 1982. Powerine subsequently entered into a sublease agreement with AIRCO Industrial Gases (AIRCO) in February 1982. AIRCO designed and constructed a carbon dioxide cooling and purifying facility on its parcel and installed at least one large AGST to store its final product. AIRCO's facility used carbon dioxide from Powerine's nearby refinery. The AIRCO tank was insulated with asbestos-containing material (ACM). Discharge from the AGST was to a truck-loading facility with one truck scale. AIRCO also built a garage with a waste-oil tank and a UST with a fuel dispenser on the middle portion of the Property. These two tanks were removed by Mayfield Enterprises, Inc. (Mayfield) in February of 1990 (Appendix A-Tank Removal Invoice). According to the tank removal invoice, both the waste-oil tank (1,000 gal.) and the UST (20,000 gal.) were unused, non-permitted, and non-hazardous. There is no indication of tank rinsing and cleaning on the invoice. AIRCO abandoned the Property in 1986, and most associated equipment was removed.

4.9 Desert Coastal Transport

Desert Coastal Transport used the middle portion of the Property to store trucks and waste, leading to a Notice of Violation from the City of Santa Fe Springs for general housekeeping deficiencies. Its tenancy appears to have lasted from 1982 to 1984.

4.10 Balboa Pacific

Balboa Pacific began occupying the southwestern portion of the Property in 1986. It used some of the buildings constructed by AIRCO, including the garage with the waste-oil tank. Balboa Pacific's stated business was the construction of wastewater treatment facilities, although it appeared to use large portions of the Site for the storage of inoperable vehicles and various types of equipment. As of this report date, operations at Balboa Pacific have ceased.

Pipeline removal activities and soil sampling on the western portion of the Balboa Pacific property were conducted in January 1990 by TRC Environmental, Inc. (TRC) for Turner Development Corporation. TRC contracted Mayfield for the pipeline removal operations. The complete account of these activities as reported by TRC is included in Appendix B. Following is a summary of the TRC report:

Three pipelines ran north-south adjacent to Bloomfield Avenue from approximately 600 feet south of the south-east corner of Bloomfield Avenue and Lakeland Road, southward to just north of the Balboa Pacific

driveway. The pipelines then turned east, entering the Balboa Pacific parking lot. Two of the pipelines ended in the parking lot and one line turned south and continued to what appeared to be an old pumping station just outside a berm, north of two large above ground storage tanks southeast of the Balboa Pacific facility. The northern end of the pipelines had originally been tied into lines running below Bloomfield Avenue. TRC was informed by Mayfield that at some point in the past, this northern junction had been excavated and the lines had been cut. The pipelines had been left open and uncapped at this northern end. During the initial attempt of removal of the pipelines, it was discovered that one line appeared to contain jet fuel, the second line appeared to contain high viscosity crude oil, and the third line was empty. Mayfield contacted Powerine to supply a vacuum truck to clean the lines by flushing them with water. The line containing the jet fuel was flushed and cleaned, however attempts to clean the crude oil line were unsuccessful due to the high viscosity of the material.

In addition, a set of four pipelines entered the Balboa Pacific property south of the driveway. These lines ran eastward, from Bloomfield Avenue, toward what appeared to be an old pumping station. Mayfield informed TRC that at some point in the past, these lines had been cut, left open and uncapped on the west edge of the Balboa Pacific property at Bloomfield Avenue.

After all of the above mentioned pipelines had been removed, TRC collected 6 soil samples (PT-1, PT-2, PT-3, PT-4, PT-5, & PT-6) at varying depths and locations along the piping excavation. The soil samples were analyzed for Total Petroleum Hydrocarbons (TPH) using EPA Method 8015 modified for jet fuel. Three samples had detectable TPH concentrations. PT-3 at a depth of 10 feet bgs had 33 ppm of TPH. PT-5 and PT-6, both at depths of 12 feet bgs, had detectable TPH concentrations of 49 ppm and 2,900 ppm respectively. For the locations of the pipelines and the soil sampling points refer to Appendix B (TRC Report-Figure 1).

On February 6, 1990, TRC drilled two (50-foot) soil borings, FB-1 and FB-2, at the pipeline sampling locations, PT-5 and PT-6, respectively. Soil boring samples were analyzed for Total Petroleum Hydrocarbons (TPH) using EPA Method 8015 modified for diesel. FB-1, at 10 feet bgs, had a detectable TPH concentration of 53 ppm. Deeper samples from FB-1 and all samples from FB-2 had no detectable TPH concentrations.

4.11 Site Visits

Site visits were conducted by EPI in April 1997 to determine the areas for site investigation by evaluating potential conditions of the Site. According to onsite personnel, the Site is used for rebuilding large trucks, industrial boilers, and heat exchangers and for building and testing a pyrolysis plant for the treatment of hazardous waste. Soil, sludge, and water at the Balboa Pacific property required characterization to

determine if Balboa Pacific operations have adversely impacted the soil and/or groundwater quality. Additionally, Site characterization was necessary to determine if future groundwater impacts are likely due to contaminants that reside in soil and that may potentially migrate to the water table. In addition to site visits, EPI analyzed aerial photographs of the Site. Following are the findings from the analysis of aerial photographs by EPI:

> Aerial photographs confirm ongoing operations at the subject facility. Of particular interest are recent aerial photographs from 1988, 1990, and 1993. These photographs were reviewed at a scale of 1" = 100'. The site appears to have five distinct areas of operation (Figure 2). Although it is difficult to be certain, the concrete slab which is presently located east of the garage does not appear to be present in any of these photographs. In addition, a large operation, which may be a waste treatment operation is located immediately south of the offices and garage in the 1988 photograph. Extensive soil staining is apparent around this operation.

As a result of the site visits and the aerial photograph analysis performed by EPI, five areas of concern (Figure 2) were identified for investigation on the subject property:

1. Vehicle parts storage area: stained soil underneath industrial scrap
2. Bladed area: stained soil and debris near painting and cleaning operations
3. Waste treatment area: stained soil surrounding treated and stored hazardous wastes
4. Transformer pad area: former location of transformer, generator, and aboveground storage tank
5. Truck scale area: partially filled with sludge and water

In order to characterize these five areas of concern, a subsurface investigation conducted by HLA was performed and is described in the following section.

5.0 SUBSURFACE INVESTIGATION AND REMOVAL ACTIVITIES

5.1 Subsurface Investigation

This section describes the investigation conducted by HLA on July 15 through 17, 1997, to characterize the subsurface of the five areas of concern on the subject property as identified by EPI. The sampling rationale for this investigation was determined by EPI (refer to Section 5.11). HLA conducted the investigation under the direction and oversight of EPI and S&B. HLA's field investigation included soil, sludge, and surface water sampling and analysis.

All field work was performed by HLA geologists and technicians, under the direction of a California Registered Geologist, and HLA-supervised subcontractors. On July 15, 1997, a geophysical survey of the Site was conducted by Sub Surface Surveys. The geophysical survey was performed to delineate any piping, conduit, utility lines, pipe lines, and other buried features that may exist in the immediate vicinity of the 34 planned soil boring sampling locations on the subject property. All 34 sampling locations appeared to be clear of subsurface obstructions based on the findings of the geophysical survey.

5.1.1 Soil Sampling

On July 16 and 17, 1997, soil borings were drilled by Precision Drilling using Geoprobe direct-push/hammer sampling equipment. As per the sampling plan determined by EPI, a total of 34 soil borings were completed with sample intervals at 1.0, 2.5, 3.0, 5.5 and 6.0 feet bgs. Figure 2 provides a site map showing soil sample locations.

Between sampling locations, the sampling equipment was cleaned using a Liqui-Nox and water solution and rinsed using a pressure washer with deionized water. Soil samples were collected using a 2-inch-diameter stainless-steel sampling probe lined with six 2-inch-diameter by 6-inch-long stainless steel sample tubes. The sampling probe was hydraulically direct-pushed into the soil, collecting samples at 6-inch intervals. Upon retrieval, samples were sealed with Teflon-lined plastic caps, labeled, placed in a Ziploc bag, and stored in an ice-chilled cooler.

Soil samples were submitted for analysis under chain-of-custody protocol to American Environmental Network Laboratory as per the sampling plan determined by EPI. (Note that the 2.5- and 5.5-foot-interval samples were combined to form a composite sample). The following analyses were performed for the following sample intervals:

- Semivolatile organic compounds (SVOCs) (EPA Method 8270) - 1.0-foot and 2.5/5.5-foot (composite) samples.
- Volatile organic compounds (VOCs) (EPA Method 8260) - 3.0 foot samples
- Priority Pollutant Metals (PPMs) (EPA Method 6010/7000) - 1.0-foot and 2.5/5.5-foot (composite) samples.
- PCBs (EPA Method 8080) - 1.0-foot and 2.5/5.5-foot (composite) samples.

The 6.0-foot samples were held and later determined by EPI to not require analysis.

5.1.2 Sludge and Water

Sludge and water samples were collected in the Truck Scale Area. This area consisted of two concrete pits, each approximately 12 feet wide, 70 feet long, and 6 feet deep (bgs). Figure 2 provides a site map showing the sludge and water sampling locations.

The sludge sample was collected in the northerly pit. The northerly pit was dry with the exception of a sludge-filled 1-foot-diameter, 6-inch-deep hole in the north-central portion of the pit floor. The sludge sample (S1) was collected by pushing, by hand, a 6-inch-long brass sample tube into the sludge. Upon retrieval, the sample was sealed with Teflon-lined plastic caps, labeled, placed in a Ziploc bag, and stored in an ice-chilled cooler.

The water sample was collected in the southerly pit, which was contained approximately 3 inches of water. The water sustained algae, grass, and small plants on the pit bottom. The source of the water was unknown. The water sample (S2) was collected by filling the sample bottles directly from the surface of the water. The bottles for the surface water sample (S2) were immediately capped upon collection, labeled, and placed in an ice-chilled cooler.

Sludge and water samples were submitted for analysis under chain-of-custody protocol to American Environmental Network Laboratory as per the sampling plan determined by EPI. Analyses were performed for the detection of SVOCs, VOCs, PPMs, and PCBs, using the EPA methods listed above.

5.1.3 Data Analysis

Following is the data analysis for the soil, sludge, and water samples collected by HLA at the Site on July 16 and 17, 1997.

- *Semivolatile Organics (EPA Method 8270)*
  Samples were analyzed for 65 SVOCs by EPA Method 8270. Only three compounds were found to be above the method detection limit (MDL). The three detected compounds and their highest concentrations were bis(2-ethylhexyl)phthalate (2,700 micrograms per kilogram [µg/kg]) in composite sample W6(2.5+5.5C), 2-methylnaphthalene (4,900 µg/kg) in sample V10-1.0, and phenanthrene (3,400 µg/kg) in sample V10-1.0. Besides phenanthrene, none of the detected SVOC concentrations exceeded the EPA's PRGs for residential soils for those compounds. A PRG for phenanthrene has not been established. There does not appear to be a need for further investigation based on these analytical results.

- *Volatile Organics (EPA Method 8260)*
  Samples were analyzed for 62 VOCs by EPA Method 8260. Only seven compounds were found to be above the MDL. The seven detected compounds and their highest concentrations were n-butylbenzene (11 µg/kg) in sample T1-3.0, sec-butylbenzene (11 µg/kg) in sample T1-3.0, p-isopropyltoluene (10 µg/kg) in sample T1-3.0, n-propylbenzene (6.3 µg/kg) in sample T1-3.0, toluene (7.8 µg/kg) in sample B4-3.0, 1,2,4-trimethylbenzene (28 µg/kg) in boring T1-3.0, and 1,3,5-trimethylbenzene (13 µg/kg) in sample T1-3.0. The detected toluene concentration was far below the EPA's PRG value. The EPA has not established PRGs for the remaining detected VOCs. There does not appear to be a need for further investigation based on these analytical results.

- *Priority Pollutant Metals (EPA Method 6010/7000)*
  Samples were analyzed for 24 PPMs by EPA Method 6010/7000. Only four of these metals were found to be above the PRG. The four detected metals and their highest concentrations in the soil were arsenic (13.00 milligrams per kilogram [mg/kg]) in composite sample V8(2.5+5.5C), beryllium (0.7 mg/kg) in composite sample T4(2.5 + 5.5C), chromium (39.50) in composite sample V6(2.5+5.5C), and lead (153 mg/kg) in sample V11-1.0. The sludge sample (S1) had a chromium content of 220 mg/kg, and the water sample (S2) had an arsenic content of (57.10 mg/kg) and a beryllium content of 2.0 mg/kg. The sludge and water samples were taken in truck scale pits. The concentrations in soil for arsenic, beryllium, chromium, and lead were collected above the residential soils PRGs but fall well below the PRG for industrial soils (1,000 mg/kg). The detected values fall into the background soil range for these metals (see table entitled "Typical Native Soil Metals

Concentrations" in Appendix C). There does not appear to be a need for further investigation based on these analytical results.

- *PCBs (EPA Method 8080)*
  Samples were analyzed for seven PCB compounds by EPA Method 8080. Only one compound (PCB 1254) was found to be above the MDL. The highest concentration of PCB 1254 was detected in sample W7-1.0 (150 µg/kg). This value is below the PRG of 1,400 µg/kg. There does not appear to be a need for further investigation based on these analytical results.

Several of the soil samples had elevated MDLs for semivolatile organics. For samples where comparison was available to volatile organic MDLs, volatile organic MDLs were not elevated. The sample matrix interference associated with the MDLs for the semivolatile organics did not interfere with the volatile organic analysis, which indicates that there are no volatile aromatic or chlorinated hydrocarbons of concern in these samples.

Summary tables of the analytical results for sample intervals with analyte concentrations above the MDL are provided in Appendix C. The EPA's PRG for residential soils are included in the tables for comparison purposes only. The complete laboratory analytical data reports prepared by American Environmental Network Laboratory for the soil, sludge, and water samples collected by HLA at the Site on July 16 and 17, 1997 are included in Appendix D.

5.2 Removal Activities

5.2.1 Underground Storage Tank Removal and Soil Sampling

On August 27, 1997, one 280-gallon UST was removed from approximately 13 feet east of the office building, in the Vehicle Parts/Storage Area (Figure 2). There is no documentation indicating as to when this UST was installed and by whom. The UST was removed by TRG and the work was overseen by S&B. JEM Degassing was a subcontractor on the job. Regulatory oversight was provided by the Santa Fe Springs Fire Department (SFSFD) as represented by Inspector Brenda Nelson. The Underground Storage Tank Closure Report by TRG is included in Appendix E. Prior to performing the work, TRG obtained a tank removal permit from the SFSFD (Appendix E).

The excavation, cleaning, and removal of the UST was conducted on August 27, 1997. Following is a description of the UST removal and soil sampling as reported by TRG and EPI:

The UST was reportedly filled with approximately 280 gallons of water (EPI) which was manifested as RCRA Hazardous Waste Liquid N.O.S. The inside of the tank was spray washed and rinsate liquids as well as the tank contents were removed and disposed at DeMenno/Kerdoon, a certified transfer, storage and disposal (TSD) facility in Compton, California. A copy of the rinsate manifest is included in Appendix E.

Prior to removal from the excavation, dry ice was dropped in the tank. Under the supervision of Inspector Nelson, the tank was pulled from the excavation with a backhoe at approximately 3:00 p.m. The UST was then transported to Adams Steel in Anaheim, California, and destroyed for scrap metal. A tank destruction certificate is included in Appendix E. No visible signs of holes or deterioration of the UST were noted.

During the UST removal, no stains or soils containing chemical odors were observed in the excavation area. Prior to soil sample collection, a backhoe removed approximately 2 feet of overburden soil in the sampling area beneath the tank to reach undisturbed soil at approximately 8 feet bgs. The sample (T-1) was collected, under the direction of Inspector Nelson, from the backhoe bucket into a clean, brass, sample tube. Soil was collected into the tube by pushing the tube into the soil adjacent to the teeth of the backhoe bucket. The sample tube was overfilled to minimize head space loss. The ends of the tube were lined with Teflon and sealed with polyethylene caps. The sample tube was then properly labeled, retained on ice, and transported with chain-of-custody documentation to Del Mar Analytical.

The UST excavation was backfilled using native soil from the excavation and approximately two tons of imported 0.5 inch pea gravel. No backfill specification was used.

The Site will be mass graded in the future, therefore, no backfill specification was used at this time.

5.2.2 Data Analysis

As requested by the SFSFD, the UST soil sample (T-1) was analyzed for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8020. The laboratory results were 19 mg/kg (ppm) for the TRPH analysis and "nondetect" for the BTEX analysis. Based on the analysis of the soil data, the chemical concentrations fall below the established EPA PRG values or are within the range of background soil concentration levels established for native soil metal concentrations. There does not appear to be a need for further investigation based on the analytical results of the samples collected. The laboratory report and chain-of-

custody documentation are presented in Appendix E.

5.2.3 Clarifier/Piping Removal and Soil Sampling

During the period of August 27 through 29, 1997, one clarifier in the Vehicle Parts/Storage Area, located approximately 10 feet east of the southeast corner of the office building, was removed from the Site (Figure 2). Associated piping extending from the clarifier approximately 300 feet eastward was also removed.

The clarifier and associated piping were removed by TRG and the work was overseen by S&B. JEM Degassing was a subcontractor on the job. Regulatory oversight was provided by the SFSFD as represented by Inspectors Brenda Nelson and Tom Hall. The Clarifier and Piping Removal Closure Report by TRG is included in Appendix F. Prior to performing the work, TRG obtained a clarifier removal permit from the SFSFD (Appendix F).

Following is a description of the clarifier/piping removal and soil sampling as reported by TRG and EPI:

> The excavation and removal of the clarifier piping was conducted on August 27, 1997. A number of previously unidentified utility lines and pipelines crossed the trench above and below the clarifier line. The 6-inch schedule 40 ABS clarifier line was located approximately 5-6 feet below the asphalt surface. Pipe fragments that had been removed and placed along the trench were observed to be of good integrity. A yellow plastic coated 6-inch steel pipe extended for most of the length of the excavated trench and through the south side of the clarifier excavation at approximately 6 feet bgs. Although the status of this line is unknown, discussions by EPI with on-site personnel and with an SFSFD representative suggested that it may be an abandoned pressurized oil line. During the course of work, pieces of protective plastic coating were ripped off the piping. Additionally, a 2-inch PVC domestic water line existed along most of the length of the trench excavation. The water line in the piping trench east of the clarifier was destroyed during excavation.

The water line and clarifier piping west of the clarifier were capped and left in place according to Trevor Santochi (telephone conversation, S&B-October 15, 1997).

> The excavation, cleaning, demolition and removal of the clarifier was conducted during the period of August 27 through 29, 1997. The clarifier measured approximately 8' by 15' by 22' (TRG) and was located approximately 10 feet east of the south east corner of the office building (Figure 2). No oil stains, residue, petroleum or VOC odors were observed on the inside walls of the clarifier, the

walls of the excavation pit, nor in any excavated soils. The clarifier contained approximately 1,500 gallons of wastewater (EPI). After pumping out the wastewater, the inside of the clarifier was spray washed. The wastewater and rinsate was manifested as RCRA Hazardous Waste Liquid N.O.S. and transported by O.C. Vacuum, Inc., for recycling at DeMenno/Kerdoon, a certified transfer, storage and disposal (TSD) facility in Compton, California. A copy of the rinsate manifest is included in Appendix F.

Upon demolition of the clarifier, it was decided by Inspector Hall to leave the 1.5 foot thick concrete base of the clarifier in place at 20 feet bgs because it was too difficult to excavate.

On August 29, 1997, under the direction of Inspector Hall of the SFSFD, TRG collected six soil samples (CT-1, CT-2, CT-3, CT-4, CT-5, CT-6) from beneath the former piping (Figure 2). Samples were collected by hand augering 1 to 2 feet below the position of the line and by driving 6-inch brass sleeves to collect an undisturbed soil sample. The excavated area at sampling point CT-4 contained soil that had a heavy petroleum odor and staining at 6 feet bgs. An additional four soil samples (CN-1, CE-1, CS-1, CW-1) were collected from beneath the former clarifier (Figure 2).

The four clarifier samples were collected by slanting the hand augers around the edges of the clarifier base and driving the sample tubes with a slide hammer approximately 1 foot below the base (TRG, telephone conversation-Oct. 23, 1997).

The soil sample tubes were overfilled to minimize head space loss. The ends of the tubes were lined with Teflon and sealed with polyethylene caps. The sample tubes were then properly labeled, retained on ice, and transported with chain-of-custody documentation to Del Mar Analytical.

The influent pipe trench and clarifier pit were backfilled using native soil from the excavation and approximately 1 and 3/4 truckloads of imported 0.5 inch pea gravel. No backfill specification was used. Concrete, asphalt, piping and clarifier were left in a stockpile on-site following the excavation and sampling.

5.2.4 Data Analysis

As requested by the SFSFD, the clarifier and influent pipe soil samples were analyzed for the following: volatile fuel hydrocarbons and BTEX by EPA Method 8015 (modified for gasoline)/8020, VOCs by EPA Method 8240, Extractable fuel hydrocarbons by EPA Method 8015 (modified for diesel), and CAM/Title 22

metals. The laboratory report and chain-of-custody documentation for the clarifier and piping are presented in Appendix F.

One sample, CT-4, had a total petroleum hydrocarbon (TPH-diesel) concentration of 1,900 mg/kg, a toluene concentration at 0.36 mg/kg, an ethylbenzene concentration at 0.01 mg/kg, and an acetone concentration at 0.049 mg/kg. The TPH concentration at CT-4 does not affect human health or environmental quality because TPH is not a volatile chemical; therefore, there is no pathway to a human receptor from the subsurface (6 feet bgs) soil. TPH is considered to have very low toxicity as a mixture; accordingly, the appropriate indicator chemicals have been identified to be BTEX compounds. BTEX analyses indicated no benzene and TEX concentrations well below conservative health-based screening values (PRGs). Sample results adjacent to the CT-4 location showed nondetectable TPH values, indicating that the CT-4 location may be a small isolated affected area, insignificant in a human health exposure assessment.

Sample CT-1 had a TPH concentration at 43 mg/kg. All other samples were "nondetect" for BTEX and VOCs. All sample results for CAM/Title 22 metals were less than the allowable maximum Total Threshold Limit Concentration (TTLC) and fell within the acceptable range for typical native soil metals concentrations (Appendix C). Location CS-1 had a mercury level of 0.92 ppm, which is higher than the typical native soil concentration (0.08 ppm) but less than the acceptable PRG value of 21 ppm. There does not appear to be a need for further investigation based on the analytical results of the samples collected.

6.0 CONCLUSIONS

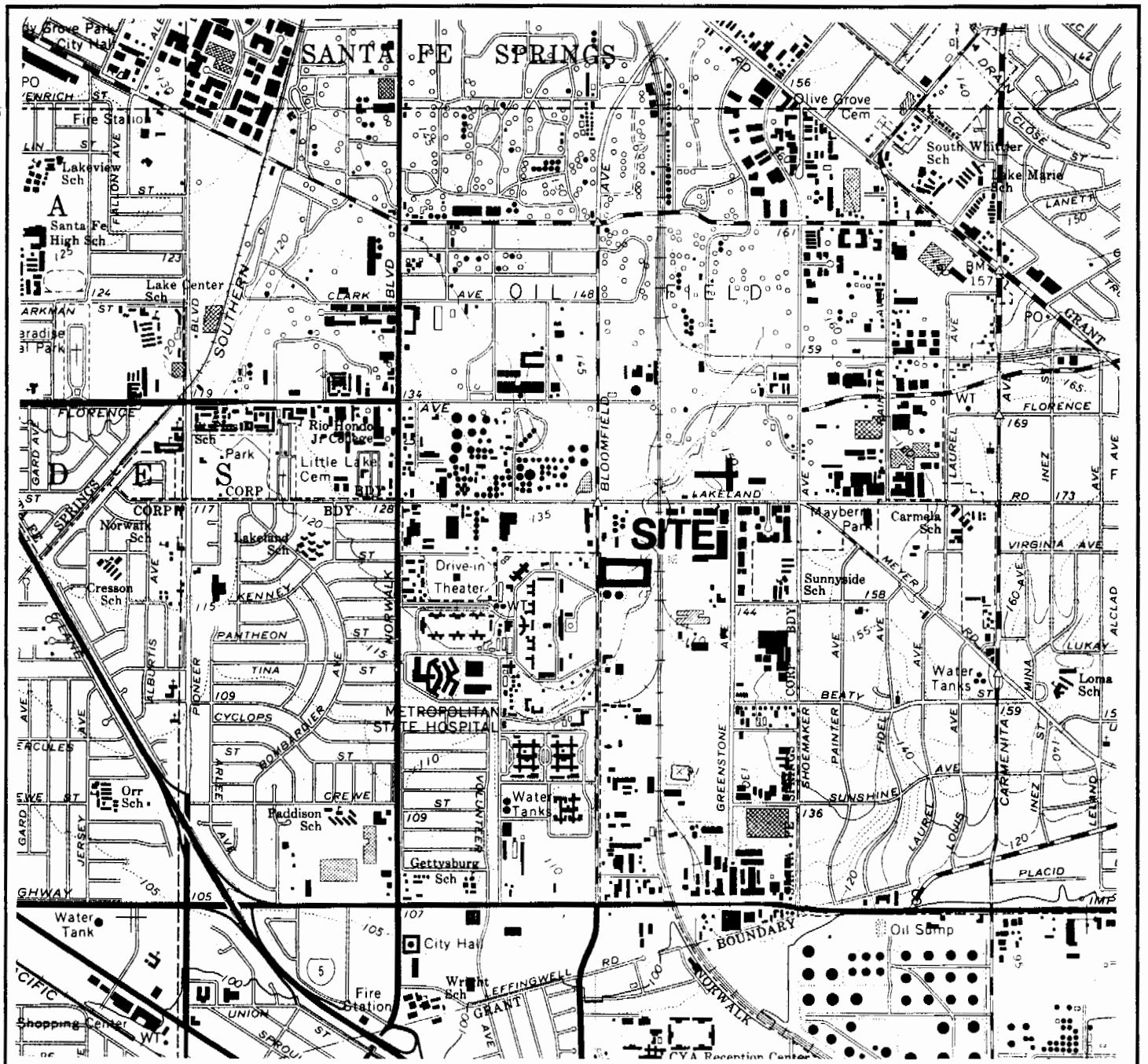
Based on the analysis of the data from soil, sludge, and water samples collected during the site investigation and the UST, clarifier, and piping removal operations, the BC Santa Fe Springs LLC Site has chemical concentrations that either fall below the established EPA PRG values or are within the range of background soil concentration levels established for native soil metal concentrations. There does not appear to be a need for further investigation based on the analytical results of the samples collected by HLA.

REFERENCE

Harding Lawson Associates. 1994. *Remedial investigation, Walker Property Site, Santa Fe Springs, California*. October.

FIGURES

FIGURES



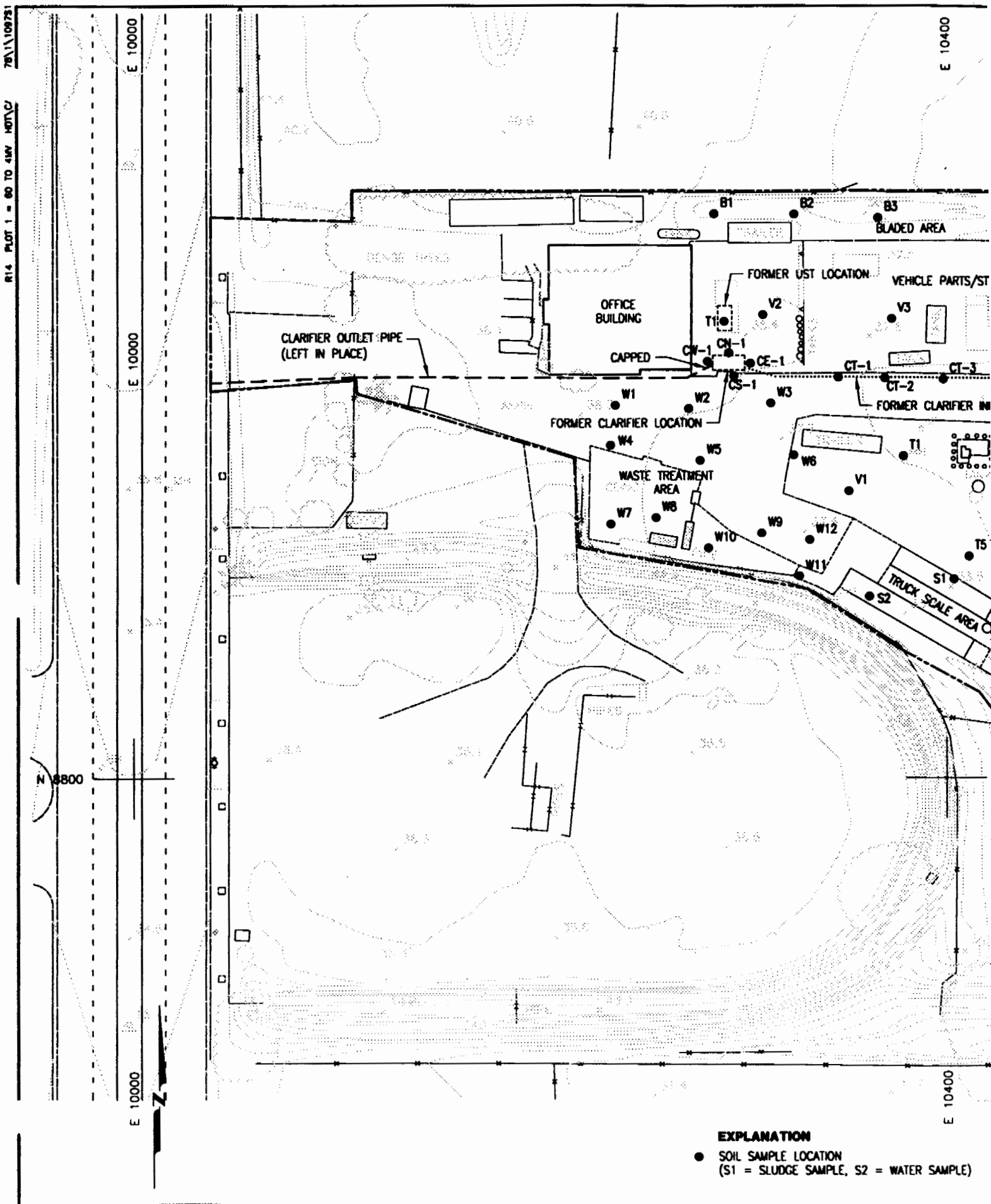
REFERENCE: USGS 7.5-MINUTE QUADRANGLE, WHITTIER, CALIFORNIA (PHOTOREVISED 1981)

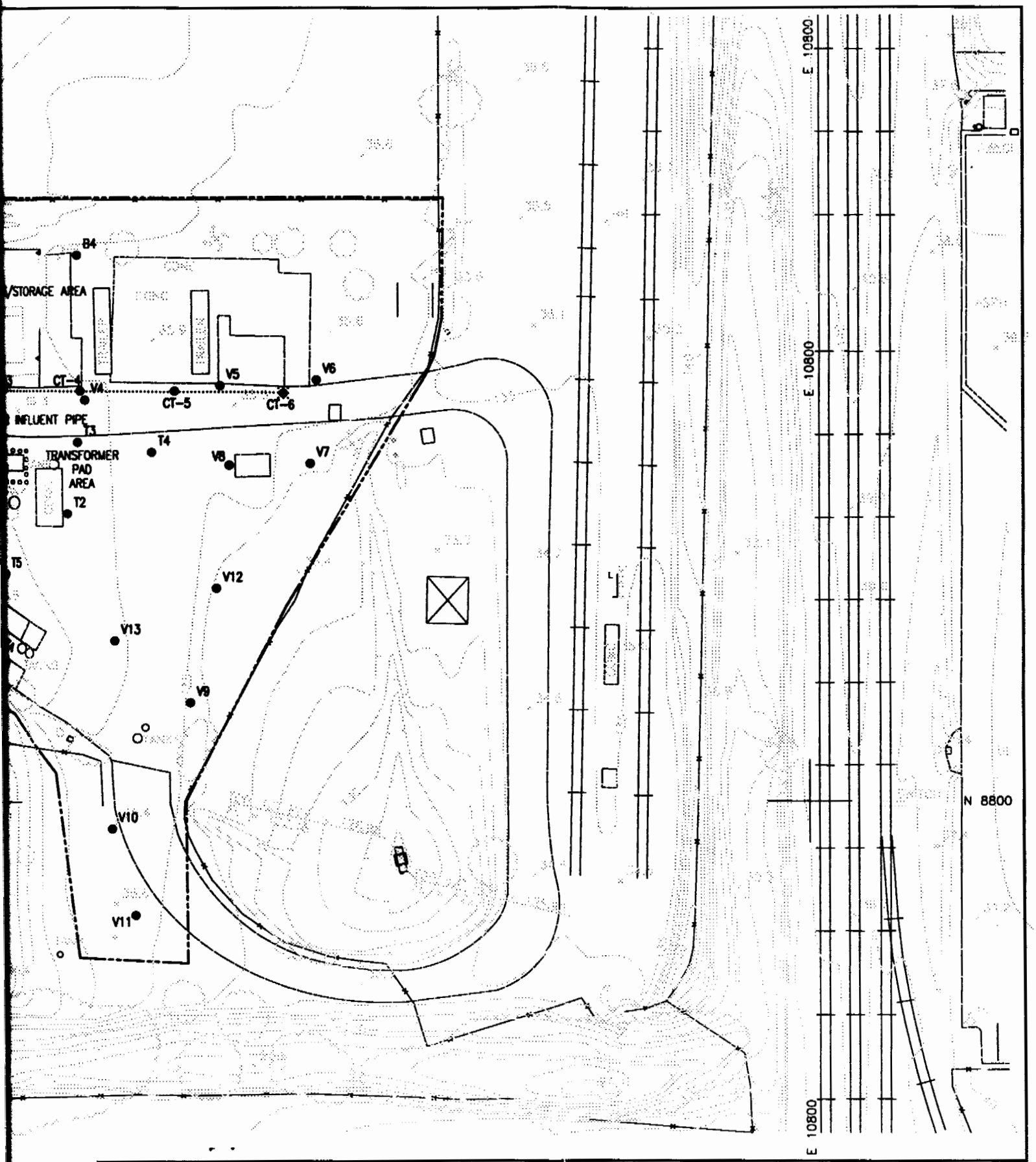
Harding Lawson Associates
Engineering and
Environmental Services

SITE LOCATION MAP
Balboa Pacific Property
Santa Fe Springs, California

FIGURE
1

DRAWN	PROJECT-TASK NUMBER	APPROVED	DATE	REVISED DATE
JTL	38878-1		10/97	


B1
B2
B3
BLADED AREA
FORMER UST LOCATION
VEHICLE PARTS/ST
OFFICE BUILDING
V2
V3
T1
CW-1
CN-1
CE-1
CAPPED
CLARIFIER OUTLET PIPE (LEFT IN PLACE)
CT-1
CT-3
CT-2
CS-1
W1
W2
W3
FORMER CLARIFIER LOCATION
FORMER CLARIFIER IN
W4
W5
T1
W6
WASTE TREATMENT AREA
V1
W7
W8
W9
W12
T5
W10
W11
S1
S2
TRUCK SCALE AREA
N 9800
E 10000
E 10400
N
Scale 0 30 60 feet
EXPLANATION
SOIL SAMPLE LOCATION
(S1 = SLUDGE SAMPLE, S2 = WATER SAMPLE)



Harding Lawson Associates
Engineering and
Environmental Services

SITE MAP WITH SOIL SAMPLING LOCATIONS
Balboa Pacific Property
Santa Fe Springs, California

FIGURE
2

DRAWN	PROJECT-TASK NUMBER	APPROVED	DATE	REVISED DATE
JTL	38878-1		10/97	

APPENDIX A

APPENDIX A

TANK REMOVAL INVOICE
MAYFIELD ENTERPRISES, INC., FEBRUARY 13, 1990

INVOICE

MAYFIELD ENTERPRISES, INC.
2521 E. OCEAN BOULEVARD, LONG BEACH, CALIFORNIA 90803
(213) 434-2115

INVOICE NO. 0606
CUSTOMER NO.

BILL TO: TURNER DEVELOPMENT CORP.
1200 Quail St., Suite 160
Newport Beach, CA 92660

Attn: Susan Drummy

SHIP TO:

DATE	TERMS
2/13/90	Net 30 days

PURCHASE ORDER NUMBER	ORDER DATE	JOB LOCATION
		Walker Property - Santa Fe Springs

DATE	DESCRIPTION		
2/1 & 2/2	Removal of one 20,000 and one 1,000 gal. non-permitted non-hazardous unused underground storage tank at old Airco site, Santa Fe Springs; load on flatbed trucks and haul away; backfill holes; fence off and certify tanks.		
	Crane incl.moves/	20 hrs @ 165.00	$ 3,300.00
	Trucking		970.50
	Labor		800.00
	Temporary fencing		N/C
	Backhoe	6 hrs @ 81.00	486.00
	Certification		250.00
			$ 5,806.50
	Operating expense		870.98
			$ 6,677.48

DATE RECD 2-15-90
ENTITY SPS
CO #
DRAW #
ACCT. NO
AMT. 6677.48
APPROVED BY SD
RECORDED BY
DATE PAID
CK. NO.

Full payment for all charges is due upon billing. Accounts past due over 30 days are subject to interest at a rate of 18% per annum. It is also hereby agreed, Lessee will pay to Mayfield Enterprises, Inc. any costs arising for collection of amount due; such as, attorney's fees and court costs

APPENDIX B

APPENDIX B

RESULTS OF PIPELINE REMOVAL AND SOIL ANALYSIS
TRC ENVIRONMENTAL CONSULTANTS, INC., MARCH 8, 1990

TRC
Environmental
Consultants, Inc.

23361 Madero Street, Suite 100, Mission Viejo, CA 92691-2730 (714) 581-6860

March 8, 1990

Ms. Susan Drummy
Controller
Turner Development Corporation
1200 Quail Street, Suite 160
Newport Beach, California 92660

RE: Results of Pipeline Removal and Soil Analysis
Walker-Turner Property, Santa Fe Springs, California
TRC Project No. 7014-N23-00

Dear Susan:

On January 23, 1990, TRC Environmental Consultants, Inc. (TRC) received authorization to observe the removal of pipelines and collect soil samples beneath the pipelines on the above referenced property. The excavation and pipeline removal was performed by Mayfield Enterprises under direct contract with Turner Development Corporation. TRC was onsite during these operations to assess the extent and nature of possible soil contamination beneath these pipelines. The following is a summary of the work performed and the results of our findings.

FIELD INVESTIGATIONS

On January 24, 1990, Mr. Jim Mayfield of Mayfield Enterprises notified TRC that he was commencing the pipeline excavation on the western border of the subject property. Three pipelines ran north-south adjacent to Bloomfield Avenue from approximately 600 feet south of the north property line, south to just north of the Balboa Pacific driveway (Figure 1). The pipelines then turned east and entered the Balboa Pacific parking lot. Two of the pipelines ended in the parking lot and one line turned south and continued to what appears to be an old pumping station just outside the berm, north of the two large above ground storage tanks on the southeastern corner of the subject property (Figure 1). The northern end of the pipelines had originally been tied into lines running below Bloomfield Avenue. TRC was informed by Mr. Mayfield that at some point in the past, this northern junction had been excavated and the lines had been cut. The pipelines had been left open and uncapped at this northern end.

During the initial attempt of removal of pipelines on January 24, it was discovered that two of the three lines still contained hydrocarbon products. One 6-inch line was found to be partially full of what appeared to be jet fuel. A second 6-inch line was completely full of what appeared to be high viscosity crude oil. The third line was empty. Jim Mayfield contacted Powerine Oil Company to provide a vacuum truck to clean these lines. A 55-gallon drum was placed in an excavation at the northern end of the pipelines and the line containing the apparent jet fuel was

flushed with water. This water/hydrocarbon mixture was recovered by Powerine's vacuum truck. Attempts to clear the line of the apparent crude oil were unsuccessful due to the high viscosity of the material.

A second series of four pipelines entered the property, from beneath Bloomfield Avenue, just south of the Balboa Pacific driveway (Figure 1). These lines ran east from the street to what appears to be the old pumping station. TRC was informed by Mr. Mayfield that at some point in the past this southern junction had also been excavated and the pipelines cut. These lines had also been left open and uncapped. On January 25, 1990, these lines were excavated and exposed by Mr. Mayfield.

TRC personnel returned to the site on January 26, 1990 to observe the removal of the above described pipelines. Upon arrival, TRC observed the removal of the three pipelines bordering Bloomfield Avenue and the east-west portion entering the Balboa Pacific parking lot. As each section of pipeline was cut for removal, plastic sheeting was placed in the trench below the cut to contain any residual product leaking from the line. The pipeline with the apparent heavy crude oil was sectioned and each end capped with plastic sheeting secured with duct tape. These sections were subsequently placed on an incline and the contents allowed to drain into drums underlain by plastic sheeting. Small amounts of spilled oil sludge as well as contaminated plastic sheeting were drummed for later disposal. During the removal of the last portion of the pipeline containing the apparent jet fuel, a low lying section in the Balboa parking lot apparently contained fluids resulting in a release of approximately 55 gallons of a water and product mixture into the plastic lined trench. Powerine Oil Company dispatched a vacuum truck to recover these liquids. The vacuum truck also recovered standing water with apparent jet fuel contamination from the open excavation south of the Balboa Pacific driveway. This liquid appears to have resulted from the flushing of the jet fuel pipeline.

After the pipelines had been removed from the trenches, TRC personnel performed random field screening of the underlying soil for potential contamination. A total of eight screening locations under the former pipelines adjacent to Bloomfield Avenue were screened using an OVM photo-ionization detector (PID). The north end of the trench was found to have apparent contamination as evidenced by an initial PID reading of 150 parts per million (ppm). This area, shown as PT-2 on Figure 1, was excavated using a backhoe, provided by Mayfield Enterprises, to a depth of approximately 13 feet where PID readings gradually dropped off to zero. A soil sample was collected at a depth of 13 feet, sealed in a glass jar, and placed on ice for transportation to a certified laboratory for analysis (Sample PT-2-13). The excavation was backfilled with native material. The remaining seven locations did not have detectable PID readings. A random sample, PT-1, was collected at the south end of the pipeline trench for laboratory analysis (Figure 1).

An initial PID reading of 325 ppm was recorded in the excavation south of the Balboa Pacific driveway. This excavation, identified as PT-3 on Figure 1, was deepened to 10 feet where readings gradually dropped off to zero. A soil sample was collected at a depth of 10 feet for laboratory analysis (PT-3-10). The excavation and trench were backfilled with native material.

On January 29, 1990, TRC personnel returned to the site to observe the excavation and removal of the single north-south oriented pipeline crossing the Balboa Pacific parking lot (Figure 1). The removal of this pipeline was also performed by Mayfield Enterprises. The pipeline had an approximate 8 to 10 foot splice joint located under the driveway portion of the parking lot. PID readings at shallow depths below both joints indicated potential contamination. Soil below the north joint, located approximately 20 feet north of the south edge of the blacktop, had an initial PID reading of 20 ppm at a depth of 2 feet. This area, identified as PT-4 on Figure 1, was excavated to a depth of 10 feet where PID readings gradually dropped off to zero. A soil sample was collected at 10 feet for laboratory analysis (PT-4-10). Soil below the south joint, located approximately 10 feet north of the south edge of the blacktop, had initial PID readings in excess of 100 ppm. The soil had a very strong odor that persisted several feet away from the excavation. The excavation, identified as PT-5 on Figure 1, was deepened to 12 feet. PID reading through this interval did not substantially decrease and remained in excess of 100 ppm. Further excavation was not practically feasible. A soil sample was taken at a depth of 12 feet for laboratory analysis (PT-5-12). The excavations were backfilled with native material.

The final sections of pipelines were removed from the area of the former pumping station on January 30, 1990 (Figure 1). After the pipelines were removed, noticeable soil staining was observed at the west end of the excavation. This area, PT-6, was excavated to a depth of 12 feet with consistent PID reading of 80 to 90 ppm throughout the interval. A soil sample was collected at a depth of 12 feet for laboratory analysis (PT-6-12). Soil samples at the east end of this trench were screened with the PID with no detectable readings observed.

RESULTS OF LABORATORY ANALYSES

The soil samples were transported to a California certified laboratory using standard chain-of-custody procedures. The soil samples were analyzed for Total Petroleum Hydrocarbons (TPH) using EPA Method 8015 (modified). The samples were also fingerprinted against a jet fuel standard by chromatographic analysis. Results of the laboratory analyses are summarized in Table I. As shown, soil samples from locations PT-2 and PT-4 did not have detectable levels of TPH in the samples analyzed. The soil sample from location PT-3 at a depth of 10 feet had 33 ppm of TPH. Laboratory analysis using chromatographic fingerprinting indicates that this hydrocarbon contaminants appears to be a type of light oil. Samples PT-5-12 and PT-6-12 contained 49 ppm and 2,900 ppm of TPH respectively. Chromatographic analysis indicates that these hydrocarbons contaminations appear to be jet fuel. All laboratory analyses and chain-of-custody documentation are included as an Attachment to this letter.

SUMMARY AND RECOMMENDATIONS

Based on the results of the field readings and laboratory analyses, it appears that there are two types of contamination in association with the removed pipelines. The first type is contamination that

has occurred as a result of the removal process itself. This is evident in several locations. The area at the north end of the pipeline trench adjacent to Bloomfield Avenue, PT-2, appears to be a result of spillage of jet fuel during the excavation and removal process and is limited to depth of 13 feet and less. This area represents approximately 50 cubic yards of contaminated soils. The contaminated area at the curb edge of the excavation south of the Balboa Pacific driveway, PT-3, appears to be again a result of spillage of jet fuel and possibly original excavation operations when the pipelines were cut from those below the street. The depth appears to be limited to a depth of 10 to 13 feet and represents approximately 130 cubic yards of contaminated soil.

The second type of contamination is the result of an episode of leaking during the operation of the pipeline system. The PT-4 area appears to be limited to a shallow depth of approximately 10 feet. This area represents approximately 10 cubic yards of soil contaminated with jet fuel. Areas PT-5 and PT-6 were not defined as to the depths or volume of contaminated soil. Laboratory analysis and field observations indicate that the contamination continues to a depth of at least 12 feet.

The contaminated soil quantified so far related to pipeline excavation and use is 190 cubic yards. This material can be remediated during the planned soil remediation process for the entire site. In order to assess the extent of the contamination that may exist below a depth of 12 feet in areas PT-5 and PT-6, TRC recommends that shallow (up to 50 foot) soil borings be drilled in these areas.

If you have any questions or need further clarification, please call us at (714) 581-6860.

Very truly yours,

TRC ENVIRONMENTAL CONSULTANTS, INC.

George D. Glazer
Project Hydrogeologist

Patricia D. Royalty
Principal Consulting Hydrogeologist

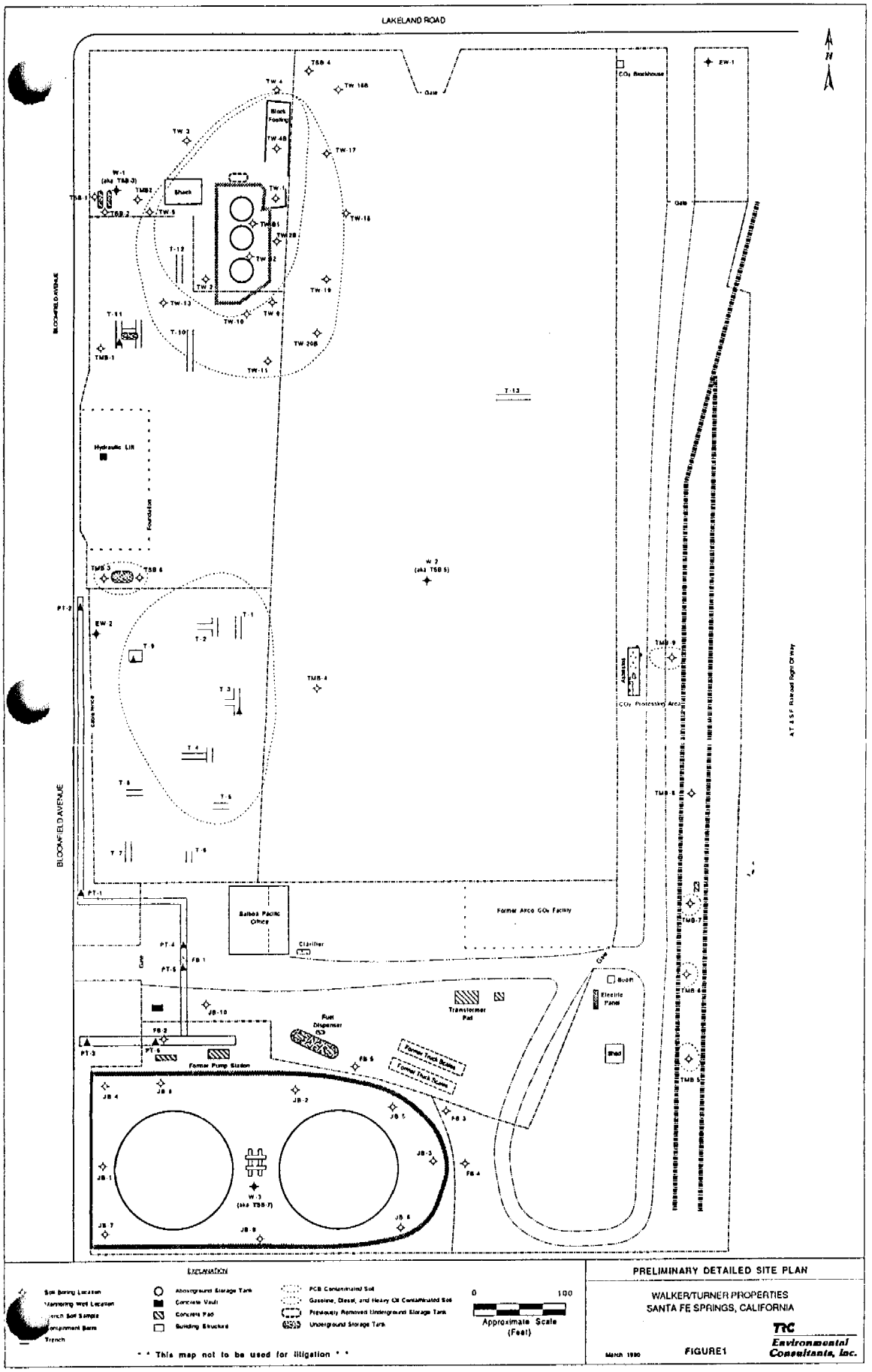
Anthony F. Severini, R.G.
Vice President and Manager
Hazardous Waste Services

REGISTERED GEOLOGIST
ANTHONY F. SEVERINI
NO. 3852
STATE OF CALIFORNIA

Attachments

CC: Rusty Turner, Turner Development Corporation

TRC



EXPLANATION

Soil Boring Location
Monitoring Well Location
Trench Soil Sample
Containment Berm
Trench
Aboveground Storage Tank
Concrete Vault
Concrete Pad
Building Structure
PCB Contaminated Soil
Gasoline, Diesel, and Heavy Oil Contaminated Soil
Previously Removed Underground Storage Tank
Underground Storage Tank

0 100
Approximate Scale (Feet)

* * This map not to be used for litigation * *

PRELIMINARY DETAILED SITE PLAN

WALKER/TURNER PROPERTIES
SANTA FE SPRINGS, CALIFORNIA

March 1990

FIGURE1

TRC Environmental Consultants, Inc.

TRC

TABLE 1
SOIL SAMPLE ANALYSIS SUMMARY
TOTAL PETROLEUM HYDROCARBONS
WALKER–TURNER PROPERTY
SANTA FE SPRINGS, CALIFORNIA

SAMPLE NUMBER	SAMPLE RESULTS (ppm) (1)
PT-2-13(2)	N.D.(3)
PT-3-10	33
PT-4-10	N.D.
PT-5-12	49
PT-6-12	2,900

(1) ppm - parts per million
(2) Sample naming convention:
PT-2 = Sample Location
-13 = Sample Depth
(3) N. D. - None Detected

EPA Method 8015 (Modified)
Detection Limit- 5.0 ppm

TRC

ATTACHMENT

TRC

Del Mar Analytical

18102 Sky Park South, Suite F • Irvine, CA 92714
(714) 261-1022 • FAX (714) 261-1228

TRC Environmental Consultants	Client Project ID:	7014-N23	Sampled:	Jan 26, 1990
23361 Madero St., Ste 100		Turner, Santa Fe Springs	Received:	Jan 30, 1990
Mission Viejo, CA 92691	Analysis Method:	EPA 3550/8015	Analyzed:	Jan 30, 1990
Attention: Pat Royalty	First Sample #:	001-1314	Reported:	Jan 31, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description Soils	Extractable Hydrocarbons mg/kg (ppm)
001-1314	PT-2-13	N.D.
001-1315	PT-3-10	33

Detection Limits:	**5.0**

Extractable Hydrocarbons are quantitated against a jet fuel standard. Hydrocarbons detected by this method range from C7 to C30.
Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL

Gary Steube
Laboratory Director

Please Note:
The chromatographic fingerprint of the positive sample did not match any of the common fuel hydrocarbon mixtures , such as gasoline, diesel or jet fuel. The hydrocarbons detected appear to be a light oil.

Del Mar Analytical

18102 Sky Park South, Suite F • Irvine, CA 92714
(714) 261-1022 • FAX (714) 261-1228

TRC Environmental Consultants	Client Project ID:	7014-N23	Sampled:	Jan 30, 1990
23361 Madero St., Ste 100		Turner, Santa Fe Springs	Received:	Jan 30, 1990
Mission Viejo, CA 92691	Analysis Method:	EPA 3550/8015	Analyzed:	Jan 31, 1990
Attention: Pat Royalty	First Sample #:	001-1359	Reported:	Feb 1, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description Soils	Extractable Hydrocarbons mg/kg (ppm)
001-1359	PT-6-12	2,900

Detection Limits:	**5.0**

Extractable Hydrocarbons are quantitated against a jet fuel standard. Hydrocarbons detected by this method range from C7 to C30.
Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL

Gary Steube
Laboratory Director

Please Note:
The chromatographic Fingerprint of the positive sample matched closely the fingerprint of jet fuel, however some variation between the samples and the laboratory standard was observed. This variation could be due to weathering of the product in the samples, as well as variably between the products of different producers.

Del Mar Analytical
18102 Sky Park South, Suite F • Irvine, CA 92714
(714) 261-1022 • FAX (714) 261-1228

QC DATA REPORT

ANALYSIS: EPA Method 8015 by Extractions, Soils

DATE OF ANALYSIS: 01/30/90

SAMPLE NUMBER: 0010653

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	0	100	98	117	98.0	117.0	17.7	107.5

Definition of Terms:

R1 ..... Result of Sample Analysis

SP..... Spike Concentration added to Sample

MS ..... Matrix Spike Result

MSD ..... Matrix Spike Duplicate Result

PR1 ..... Percent Recovery of MS; (MS-R1) / SP x 100

PR2 ..... Percent Recovery of MSD; (MSD-R1) / SP x 100

RPD ..... Relative Percent Difference; ((MS-MSD/(MS+MSD)/2)) x 100

Del Mar Analytical

Gary Steube
Laboratory Director

Jeanine Salustri
Quality Assurance Officer

TRC Environmental Consultants, Inc.

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME		3548
(6974-P23)	Walker-Turner Santa Fe Springs CA		
SAMPLERS: (Signature) George D Glazer	(Printed) George D Glazer		

FIELD SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Jet Fuel	Identify Fingerprint							REMARKS
PT-1-1'	1-26			✓	Pipeline Excav. Station 1	1									Hold
PT-2-13'	1-26			✓	Northeast Pipeline Bldg Bloomfield	1	X								24 Hour
PT-3-10'	1-26			✓	Trench South of Driveway	1	X								
PT-4-10'	1-29			✓	Parking lot Trench North Joint	1	X								
PT-5-12'	1-29			✓	Parking Lot Trench South Joint	1	X	X							Strong Odor

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
P. Royalty	1/30/90 8:00				
(Printed) P. Royalty		(Printed)	(Printed)		(Printed)

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks
		[illegible]	1/30/90 8:10	
(Printed)		(Printed) Sc Hinder		

Distribution: Original Plus One Accompanies Shipment (white and yellow); Copy to Coordinator Field Files (pink).

TRC Environmental Consultants, Inc.

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME	PARAMETERS	
7014-N23	Walker-Turner Santa Fe Springs CA		

SAMPLERS: (Signature) George D Glazer

(Printed) George D Glazer

FIELD SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Jet Fuel	REMARKS
PT-6-12	1/30			✓	Excavation by Pad 12'	1	X	24 Hr Turnaround

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
George D Glazer	1/30/10 1540				
(Printed) George D. Glazer		(Printed)	(Printed)		(Printed)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) Alice Arteaga	Date / Time 1/30/10 3:30	Remarks	
(Printed)		(Printed)			

Distribution: Original Plus One Accompanies Shipment (white and yellow); Copy to Coordinator Field Files (pink).

Del Mar Analytical

18102 Sky Park South, Suite F • Irvine, CA 92714
(714) 261-1022 • FAX (714) 261-1228

TRC Environmental Consultants	Client Project ID:	7014-N23	Sampled:	Jan 29, 1990
23361 Madero St., Ste 100		Turner, Santa Fe Springs	Received:	Jan 30, 1990
Mission Viejo, CA 92691	Analysis Method:	EPA 3550/8015	Analyzed:	Jan 30, 1990
Attention: Pat Royalty	First Sample #:	001-1316	Reported:	Jan 31, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description Soils	Extractable Hydrocarbons mg/kg (ppm)
001-1316	PT-4-10	N.D.
001-1317	PT-5-12	49

Detection Limits:	**5.0**

Extractable Hydrocarbons are quantitated against a jet fuel standard. Hydrocarbons detected by this method range from C7 to C30.
Analytes reported as N.D. were not present above the stated limit of detection.

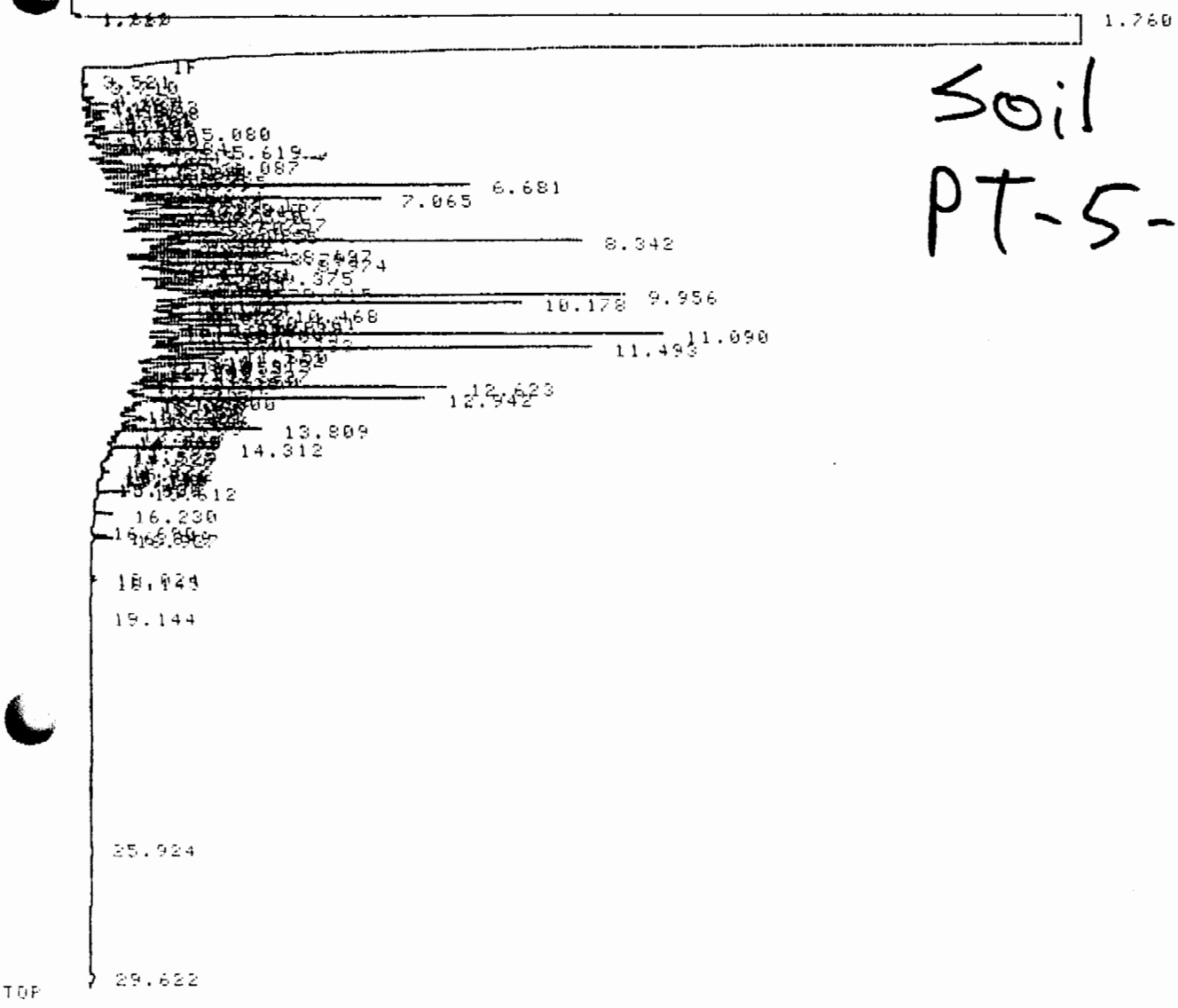
DEL MAR ANALYTICAL

Gary Steube
Laboratory Director

Please Note:
The chromatographic Fingerprint of the positive sample matched closely the fingerprint of jet fuel, however some variation between the samples and the laboratory standard was observed. This variation could be due to weathering of the product in the samples, as well as variably between the products of different producers.

RUN # 1882 JAN 30, 1990 14:51:39
START

1317



Soil
PT-5-12

STOP

RUN# 1882 JAN 30, 1990 14:51:39

SAMPLE# 7

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.550	301832160	++	.180	99.45914
7.800	1444994	++	.042	.47615
21.249	196358	1 ++	.037	.06470

1,641,352

TOTAL AREA=3.0347E+08
MUL FACTOR=1.0000E+00

RUN # 1883 JAN 30, 1990 15:26:58
START

Jet Fuel 1500ppm

IF

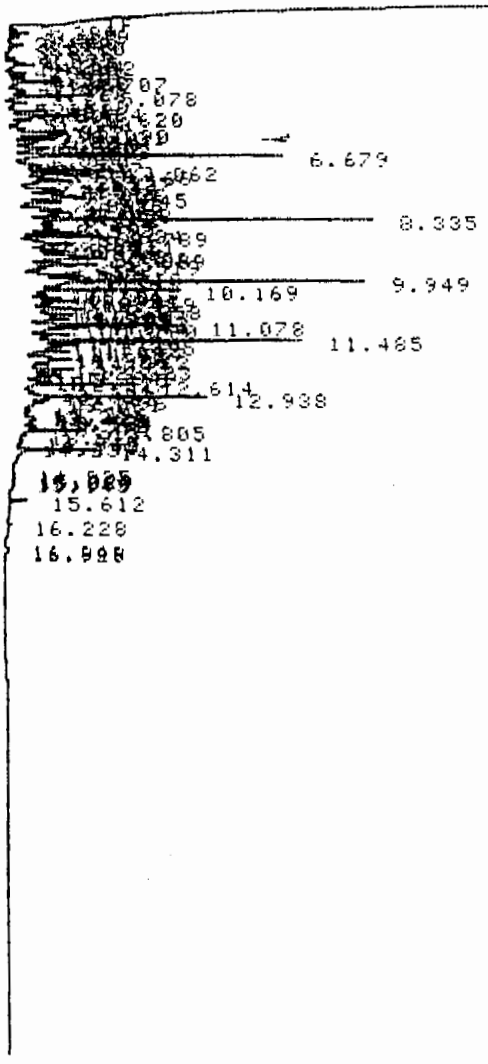
RUN # 1883 JAN 30, 1990 15:26:58

START

Jet Fuel 1500 ppm

IF

1.710 1.756



Jet Fuel Standard

1113

49 ppm Jet fuel

STOP

RUN# 1883 JAN 30, 1990 15:26:58

SAMPLE# 8 1317

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.550	304819360	++	.181	99.58342
7.800	1100330	++	.048	.35947
21.250	174905	I ++	.052	.05714

TOTAL AREA=3.0609E+08

MUL FACTOR=1.0000E+00 1,275,235

RUN # 1884 JAN 30, 1990 16:02:18

866

ST

IF

1.656 1.753

IF

APPENDIX C

APPENDIX C

TYPICAL NATIVE SOIL METALS CONCENTRATIONS AND ANALYTICAL RESULTS SUMMARIES

Typical Native Soil Metals Concentrations
Summary Table Of Analytical Results—Semivolatile Organics (EPA Method 8270)
Summary Table Of Analytical Results—Volatile Organics (EPA Method 8260)
Summary Table Of Analytical Results—Priority Pollutant Metals (EPA Method 6010/7000)
Summary Table Of Analytical Results—PCBs (EPA Method 8080)

Typical Native Soil Metals Concentrations

Metal	Typical Range (ppm)	Extreme Limits (ppm)
Antimony	0.6 - 10	---
Arsenic	1.0 - 40	0.1 - 500
Barium	100 - 3,500	10 - 10,000
Beryllium	0.1 - 40	0.1 - 100
Cadmium	0.01 - 7.0	0.01 - 45
Chromium	5.0 - 3,000	0.5 - 10,000
Cobalt	1.0 - 40	0.01 - 500
Copper	2.0 - 100	0.1 - 14,000
Lead	2.0 - 200	0.1 - 3,000
Mercury	0.01 - 0.08	---
Molybdenum	0.2 - 5.0	0.1 - 400
Nickel	5.0 - 1,000	0.8 - 6,200
Selenium	0.1 - 2.0	0.01 - 400
Silver	0.1 - 5.0	0.1 - 50
Thallium	---	---
Vanadium	20 - 500	1.0 - 1,000
Zinc	10 - 300	3.0 - 10,000

Notes:

ppm = parts per million

Dragun, J., 1988. *The Soil Chemistry of Hazardous Materials.* Hazardous Materials Control Research Institute.

SUMMARY TABLE OF ANALYTICAL RESULTS
SEMIVOLATILES EPA 8270
BC SANTA FE SPRINGS LLC
(Results in ug/kg)

EPA 8270	PRG (ug/Kg)	Note	V10-1.0	B1-1.0	T3(2.5+5.5C)	T5-1.0	T5(2.5+5.5C)	W3(2.5+5.5C)	W8(2.5+5.5C)	S2
Acenaphthene	110,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Acenaphthylene	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Anthracene	5,700		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Benz(a)anthracene	610		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Benzo(b)fluoranthene	610		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Benzo(k)fluoranthene	610		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Benzo(g,h,i)perylene	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Benzo(a)pyrene	61		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Benzyl alcohol	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Bis(2-chloroethoxy)methane	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Bis(2-chloroethyl)ether	43		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Bis(2-chloroisopropyl)ether	2,500		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Bis(2-ethylhexyl)phthalate	32,000		<MDL	750	<MDL	2,500	800	450	2,700	67
4-Bromophenyl phenyl ether	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Butyl benzyl phthalate	930,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Carbazole	22,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
4-Chloroaniline	260,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
2-Chloronaphthalene	110,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
4-Chloro-3-methylphenol	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
2-Chlorophenol	91,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
4-Chlorophenyl phenyl ether	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Chrysene	6,100	CAL Mod.	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Dibenz(a,h)anthracene	61		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Dibenzofuran	140,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Di-N-butyl phthalate	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
1,3-Dichlorobenzene	500,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
1,4-Dichlorobenzene	3,600		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
1,2-Dichlorobenzene	700,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
3,3-Dichlorobenzidine	990		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
2,4-Dichlorophenol	200,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Diethyl phthalate	52,000,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
2,4-Dimethylphenol	1,300,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Dimethyl phthalate	100,000,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
4,6-Dinitro-2-methylphenol	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
2,4-Dinitrophenol	130,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL

SUMMARY TABLE OF ANALYTICAL RESULTS
SEMIVOLATILES EPA 8270
BC SANTA FE SPRINGS LLC
(Results in ug/kg)

EPA 8270	PRG (ug/Kg)	Note	V10-1.0	B1-1.0	T3(2.5+5.5C)	T5-1.0	T5(2.5+5.5C)	W3(2.5+5.5C)	W6(2.5+5.5C)	S2
2,4-Dinitrotoluene	130,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
2,6-Dinitrotoluene	65,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Di-N-octyl phthalate	1,300,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Fluoranthene	2,600,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Fluorene	90,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Hexachlorobenzene	280		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Hexachlorobutadiene	5,700		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Hexachlorocyclopentadiene	450,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Hexachloroethane	32,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Indeno(1,2,3-cd)pyrene	610		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Isophorone	470,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
2-Methylnaphthalene	240,000	surrogate	4,900	<MDL	1,900	<MDL	<MDL	<MDL	<MDL	<MDL
2-Methylphenol	3,300,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
4-Methylphenol	330,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Naphthalene	240,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
2-Nitroaniline	3,900		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
3-Nitroaniline	3,900		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
4-Nitroaniline	3,900		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Nitrobenzene	18,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
2-Nitrophenol	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
4-Nitrophenol	6,500,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
N-Nitrosodiphenylamine	91,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
N-Nitroso-di-N-propylamine	63		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Pentachlorophenol	2,500		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Phenanthrene	NOT ESTABLISHED		3,400	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Phenol	39,000,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Pyrene	100,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
1,2,4-Trichlorobenzene	570,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
2,4,5-Trichlorophenol	650,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
2,4,6-Trichlorophenol	40,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL

SUMMARY TABLE OF ANALYTICAL RESULTS
VOLATILES EPA 8260
BC SANTA FE SPRINGS LLC
(Results in ug/kg)

EPA 8260	PRG (ug/Kg)	Note	B4-3.0	T1-3.0	W8-3.0
Benzene	630		<MDL	<MDL	<MDL
Bromobenzene	65,000	surrogate	<MDL	<MDL	<MDL
Bromochloromethane	7,800	surrogate	<MDL	<MDL	<MDL
Bromodichloromethane	630		<MDL	<MDL	<MDL
Bromoform	56,000		<MDL	<MDL	<MDL
Bromomethane	6,800		<MDL	<MDL	<MDL
n-Butylbenzene	NOT ESTABLISHED		<MDL	11	<MDL
sec-Butylbenzene	NOT ESTABLISHED		<MDL	11	<MDL
tert-Butylbenzene	NOT ESTABLISHED		<MDL	<MDL	<MDL
Carbon tetrachloride	230		<MDL	<MDL	<MDL
Chlorobenzene	650,000		<MDL	<MDL	<MDL
Chloroethane	1,100,000		<MDL	<MDL	<MDL
Chloroform	250		<MDL	<MDL	<MDL
Chloromethane	1,200		<MDL	<MDL	<MDL
2-Chlorotoluene	160,000		<MDL	<MDL	<MDL
4-Chlorotoluene	160,000	surrogate	<MDL	<MDL	<MDL
Dibromochloromethane	5,300		<MDL	<MDL	<MDL
1,2-Dibromo-3-chloropropane	320		<MDL	<MDL	<MDL
1,2-Dibromoethane	4.90		<MDL	<MDL	<MDL
Dibromomethane	650,000		<MDL	<MDL	<MDL
1,2-Dichlorobenzene	700,000		<MDL	<MDL	<MDL
1,3-Dichlorobenzene	500,000		<MDL	<MDL	<MDL
1,4-Dichlorobenzene	3,600		<MDL	<MDL	<MDL
Dichlorodifluoromethane	94,000		<MDL	<MDL	<MDL
1,1-Dichloroethane	500,000		<MDL	<MDL	<MDL
1,2-Dichloroethane	250		<MDL	<MDL	<MDL
1,1-Dichloroethene	37		<MDL	<MDL	<MDL
cis-1,2-Dichloroethene	31,000		<MDL	<MDL	<MDL
trans-1,2-Dichloroethene	78,000		<MDL	<MDL	<MDL
1,2-Dichloropropane	310		<MDL	<MDL	<MDL
1,3-Dichloropropane	310	surrogate	<MDL	<MDL	<MDL
2,2-Dichloropropane	310	surrogate	<MDL	<MDL	<MDL
1,1-Dichloropropene	250	surrogate	<MDL	<MDL	<MDL
Ethylbenzene	230,000		<MDL	<MDL	<MDL
Hexachlorobutadiene	5,700		<MDL	<MDL	<MDL
Isopropylbenzene	19,000		<MDL	<MDL	<MDL
p-Isopropyltoluene	NOT ESTABLISHED		<MDL	10	<MDL
Methylene chloride	7,800		<MDL	<MDL	<MDL
Naphthalene	240,000		<MDL	<MDL	<MDL
n-Propylbenzene	NOT ESTABLISHED		<MDL	6.3	<MDL
Styrene	680,000		<MDL	<MDL	<MDL
1,1,1,2-Tetrachloroethane	2,400		<MDL	<MDL	<MDL
1,1,2,2-Tetrachloroethane	450		<MDL	<MDL	<MDL
Tetrachloroethene	5,400		<MDL	<MDL	<MDL
Toluene	790,000		7.8	<MDL	7.4

SUMMARY TABLE OF ANALYTICAL RESULTS
VOLATILES EPA 8260
BC SANTA FE SPRINGS LLC
(Results in ug/kg)

EPA 8260	PRG (ug/Kg)	Note	B4-3.0	T1-3.0	W8-3.0
1,2,3-Trichlorobenzene	NOT ESTABLISHED		<MDL	<MDL	<MDL
1,2,4-Trichlorobenzene	570,000		<MDL	<MDL	<MDL
1,1,1-Trichloroethane	1,200,000		<MDL	<MDL	<MDL
1,1,2-Trichloroethane	650		<MDL	<MDL	<MDL
Trichloroethene	3,200		<MDL	<MDL	<MDL
Trichlorofluoromethane	380,000		<MDL	<MDL	<MDL
1,2,3-Trichloropropane	1.40		<MDL	<MDL	<MDL
1,2,4-Trimethylbenzene	NOT ESTABLISHED		<MDL	28	<MDL
1,3,5-Trimethylbenzene	NOT ESTABLISHED		<MDL	13	<MDL
Vinyl chloride	16		<MDL	<MDL	<MDL
o-Xylene	320,000		<MDL	<MDL	<MDL
m,p-Xylenes	320,000		<MDL	<MDL	<MDL

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	V1-1.0	V1(2.5+5.5C)	V2-1.0	V2(2.5+5.5C)	V3-1.0	V3(2.5+5.5C)
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Antimony	31		1.80	2.10	1.90	1.70	2.00	2.20
Arsenic	0.38	Canc. e.pt.	5.80	5.20	4.30	4.60	4.00	5.40
Barium	5,300		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		0.49	0.56	0.51	0.46	0.27	0.50
Cadmium	9	CAL Mod.	3.00	3.10	2.90	2.80	3.30	3.20
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	24.60	26.50	24.20	24.20	22.20	28.30
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Copper	2,800		24.60	25.60	19.00	22.90	40.10	27.40
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	11.50	9.90	7.50	6.10	11.40	7.20
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.08	0.06	0.09	0.06	0.08	0.06
Nickel	150	CAL Mod.	18.30	20.50	16.50	18.50	18.60	21.50
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Selenium	380		0.45	0.52	0.46	0.42	0.49	0.55
Silver	380		0.72	0.83	0.74	0.67	0.79	0.87
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		9.00	10.40	9.30	8.30	9.90	10.90
Vanadium	540		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Zinc	23,000		54.80	56.00	46.80	44.90	67.40	50.80

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	V4-1.0	V4(2.5+5.5C)	V5-1.0	V5(2.5+5.5C)	V6-1.0	V6(2.5+5.5C)
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Antimony	31		2.00	2.10	2.20	2.20	1.90	2.00
Arsenic	0.38	Canc. e.pt.	4.10	7.10	6.40	8.20	5.20	8.60
Barium	5,300		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		0.20	0.33	0.32	0.54	0.37	0.29
Cadmium	9	CAL Mod.	1.50	3.00	3.50	3.40	2.60	5.10
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	7.60	21.00	32.40	29.60	20.70	39.50
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Copper	2,800		18.20	29.30	63.90	37.90	34.40	63.30
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	4.10	30.90	66.70	14.60	20.00	23.60
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.07	0.07	0.10	0.07	0.13	0.07
Nickel	150	CAL Mod.	7.00	16.80	20.30	29.00	16.10	39.00
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Selenium	380		0.49	0.52	0.54	0.56	0.49	0.48
Silver	380		0.79	0.82	0.86	0.89	0.78	0.77
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		9.90	10.30	10.80	11.10	9.70	9.60
Vanadium	540		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Zinc	23,000		32.70	121.00	177.00	73.20	107.00	153.00

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	V7-1.0	V7(2.5+5.5C)	V8-1.0	V8(2.5+5.5C)	V9-1.0	V9(2.5+5.5C)
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Antimony	31		2.00	1.80	2.10	2.20	2.00	1.90
Arsenic	0.38	Canc. e.pt.	5.50	5.50	4.30	13.00	4.40	5.30
Barium	5,300		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		0.30	0.35	0.50	0.49	0.43	0.44
Cadmium	9	CAL Mod.	2.10	2.60	3.00	3.30	2.90	2.80
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	18.10	20.80	28.30	27.90	23.60	23.40
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Copper	2,800		18.40	22.40	27.80	42.90	22.40	25.10
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	6.80	10.00	11.20	10.00	15.60	25.70
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.07	0.07	0.08	0.07	0.08	0.11
Nickel	150	CAL Mod.	14.20	16.70	21.30	26.40	16.70	18.50
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Selenium	380		0.49	0.44	0.53	0.56	0.49	0.48
Silver	380		0.79	0.71	0.85	0.89	0.79	0.77
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		9.90	8.80	10.60	11.10	9.80	9.60
Vanadium	540		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Zinc	23,000		41.40	47.40	56.20	58.90	74.40	78.90

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	V10-1.0	V10(2.5+5.5C)	V11-1.0	V11(2.5+5.5C)	V12-1.0
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL	<MDL
Antimony	31		2.10	2.20	1.90	1.90	1.80
Arsenic	0.38	Canc. e.pt.	4.70	4.10	3.10	4.50	4.70
Barium	5,300		<MDL	<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		0.36	0.36	0.24	0.35	0.44
Cadmium	9	CAL Mod.	2.40	2.60	2.10	2.70	2.80
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	20.30	21.70	17.50	21.60	27.70
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL	<MDL
Copper	2,800		22.80	23.00	22.60	25.00	26.50
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	16.20	18.80	153.00	29.60	9.50
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.09	0.07	0.13	0.05	0.14
Nickel	150	CAL Mod.	37.00	17.20	12.50	17.30	18.30
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Selenium	380		0.53	0.54	0.48	0.47	0.45
Silver	380		0.85	0.86	0.77	0.75	0.73
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		10.60	10.80	9.60	9.40	9.10
Vanadium	540		<MDL	<MDL	<MDL	<MDL	<MDL
Zinc	23,000		56.00	70.60	96.10	75.40	52.30

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	V12(2.5+5.5C)	V13-1.0	V13(2.5+5.5C)	B1-1.0	B1(2.5+5.5C)
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL	<MDL
Antimony	31		1.80	2.10	2.30	4.40	1.80
Arsenic	0.38	Canc. e.pt.	**7.10**	**5.00**	**6.90**	**4.10**	**5.10**
Barium	5,300		<MDL	<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		**0.30**	**0.42**	**0.64**	**0.46**	**0.48**
Cadmium	9	CAL Mod.	2.50	2.80	3.40	2.80	3.00
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	**20.50**	**22.80**	**30.70**	**25.70**	**25.70**
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL	<MDL
Copper	2,800		25.80	23.80	34.10	23.10	24.10
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	6.30	12.50	8.30	11.30	7.00
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.17	0.09	0.10	0.09	0.10
Nickel	150	CAL Mod.	18.80	16.80	25.00	19.80	20.80
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Selenium	380		0.46	0.53	0.56	0.51	0.44
Silver	380		0.73	0.84	0.90	0.81	0.77
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		9.10	10.50	11.30	10.20	8.80
Vanadium	540		<MDL	<MDL	<MDL	<MDL	<MDL
Zinc	23,000		46.50	55.50	57.70	60.40	49.40

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	B2-1.0	B2(2.5+5.5C)	B3-1.0	B3(2.5+5.5C)	B4-1.0	B4(2.5+5.5C)
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Antimony	31		1.90	2.00	1.90	2.00	2.10	2.10
Arsenic	0.38	Canc. e.pt.	**4.20**	**6.40**	**6.40**	**9.00**	**5.10**	**5.40**
Barium	5,300		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		**0.47**	**0.45**	**0.56**	**0.51**	**0.45**	**0.28**
Cadmium	9	CAL Mod.	2.70	3.20	3.10	2.90	2.80	2.20
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	**24.60**	**27.20**	**28.80**	**26.50**	**25.00**	**17.40**
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Copper	2,800		21.00	32.70	24.60	31.90	26.00	19.60
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	6.60	7.90	7.40	8.10	10.40	10.70
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.10	0.13	0.09	0.10	0.10	0.07
Nickel	150	CAL Mod.	17.60	23.80	19.80	21.80	0.83	14.30
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Selenium	380		0.48	0.49	0.47	0.49	0.52	0.52
Silver	380		0.76	0.78	0.74	0.78	5.10	0.84
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		9.50	9.80	9.30	9.80	10.40	10.40
Vanadium	540		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Zinc	23,000		49.20	55.10	46.40	49.90	62.90	45.20

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	T1-1.0	T1(2.5+5.5C)	T2-1.0	T2(2.5+5.5C)	T3-1.0	T3(2.5+5.5C)
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Antimony	31		1.80	2.10	1.90	2.00	2.30	2.10
Arsenic	0.38	Canc. e.pt.	4.90	5.30	5.20	6.10	5.20	5.70
Barium	5,300		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		0.47	0.46	0.46	0.40	0.31	0.47
Cadmium	9	CAL Mod.	2.80	2.90	2.90	2.60	3.10	2.90
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	23.80	24.80	24.60	21.70	23.80	23.60
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Copper	2,800		22.80	24.70	24.80	22.00	39.80	23.80
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	6.10	6.80	14.80	19.20	62.80	15.50
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.06	0.11	0.09	0.09	0.15	0.06
Nickel	150	CAL Mod.	17.40	18.40	18.10	16.70	18.80	19.10
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Selenium	380		0.45	0.53	0.47	0.49	0.56	0.53
Silver	380		0.72	0.85	0.75	0.79	0.90	0.84
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		8.90	10.60	9.40	9.90	11.30	10.60
Vanadium	540		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Zinc	23,000		44.60	48.20	67.10	59.50	226.00	60.10

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	T4-1.0	T4(2.5+5.5C)	T5-1.0	T5(2.5+5.5C)	W1-1.0	W1(2.5+5.5C)
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Antimony	31		2.00	2.70	1.90	2.10	1.60	2.10
Arsenic	0.38	Canc. e.pt.	**3.40**	**7.40**	**11.60**	**5.60**	**3.30**	**5.00**
Barium	5,300		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		**0.25**	**0.70**	**0.43**	**0.38**	**0.16**	**0.52**
Cadmium	9	CAL Mod.	2.00	4.10	3.80	2.70	1.50	3.10
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	**17.40**	**37.10**	**36.60**	**21.30**	**8.70**	**24.90**
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Copper	2,800		15.80	39.40	37.90	24.90	13.20	22.60
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	4.80	10.10	128.00	6.30	3.50	7.30
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.08	0.12	0.26	0.08	0.07	0.11
Nickel	150	CAL Mod.	12.00	29.20	30.60	18.60	7.30	19.30
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Selenium	380		0.50	0.67	0.67	0.54	0.39	0.52
Silver	380		0.80	1.10	1.50	0.86	0.62	0.83
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		10.00	13.40	9.70	10.70	7.80	10.30
Vanadium	540		<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Zinc	23,000		33.20	66.50	107.00	45.20	34.30	48.50

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	W2-1.0	W2(2.5+5.5C)	W3-1.0	W3(2.5+5.5C)	W4-1.0
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL	<MDL
Antimony	31		2.20	2.10	2.20	2.10	1.40
Arsenic	0.38	Canc. e.pt.	4.70	5.00	5.70	4.90	3.50
Barium	5,300		<MDL	<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		0.61	0.61	0.56	0.56	0.17
Cadmium	9	CAL Mod.	3.20	3.20	3.20	3.10	1.70
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	28.00	28.90	29.00	27.50	11.00
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL	<MDL
Copper	2,800		21.70	26.30	23.20	25.30	15.30
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	6.80	7.30	6.50	7.10	6.60
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.08	0.30	0.08	0.07	0.04
Nickel	150	CAL Mod.	20.00	21.20	20.10	21.20	9.20
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Selenium	380		0.54	0.53	0.55	0.52	0.36
Silver	380		0.86	0.85	0.88	0.84	0.58
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		10.80	10.60	10.90	10.50	7.20
Vanadium	540		<MDL	<MDL	<MDL	<MDL	<MDL
Zinc	23,000		52.10	52.30	47.90	51.00	44.00

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	W4(2.5+5.5C)	W5-1.0	W5(2.5+5.5C)	W6-1.0	W6(2.5+5.5C)
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL	<MDL
Antimony	31		2.10	2.20	2.20	1.80	2.20
Arsenic	0.38	Canc. e.pt.	**4.50**	**4.80**	**5.70**	**3.70**	**6.30**
Barium	5,300		<MDL	<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		**0.47**	**0.61**	**0.64**	**0.45**	**0.66**
Cadmium	9	CAL Mod.	2.80	3.30	3.60	2.70	3.40
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	**27.80**	**30.40**	**30.60**	**22.00**	**30.60**
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL	<MDL
Copper	2,800		22.30	23.10	29.60	18.50	29.00
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	14.60	6.90	7.80	5.60	8.10
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.09	0.10	0.10	0.03	0.06
Nickel	150	CAL Mod.	19.00	20.00	24.70	15.10	22.70
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Selenium	380		0.60	0.54	0.56	0.45	0.54
Silver	380		0.85	0.86	0.90	0.72	0.86
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		10.60	10.80	11.20	9.00	10.80
Vanadium	540		<MDL	<MDL	<MDL	<MDL	<MDL
Zinc	23,000		71.60	50.70	61.40	42.90	53.60

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	W7-1.0	W7(2.5+5.5C)	W8-1.0	W8(2.5+5.5C)	W9-1.0
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL	<MDL
Antimony	31		1.90	2.10	1.70	1.90	2.20
Arsenic	0.38	Canc. e.pt.	4.20	5.90	2.50	4.20	3.70
Barium	5,300		<MDL	<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		0.38	0.47	0.34	0.42	0.22
Cadmium	9	CAL Mod.	2.70	2.90	2.10	2.60	1.80
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	21.10	23.90	18.00	21.10	11.20
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL	<MDL
Copper	2,800		21.50	26.20	16.10	19.60	17.00
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	24.10	24.40	4.80	15.00	4.80
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.06	0.08	0.06	0.05	0.07
Nickel	150	CAL Mod.	15.80	18.70	12.70	15.10	8.60
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Selenium	380		0.48	0.54	0.43	0.56	0.55
Silver	380		0.77	0.84	0.68	0.75	0.88
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		9.70	10.50	8.50	9.30	11.00
Vanadium	540		<MDL	<MDL	<MDL	<MDL	<MDL
Zinc	23,000		102.00	84.70	37.80	57.70	37.80

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	W9(2.5+5.5C)	W10-1.0	W10(2.5+5.5C)	W11-1.0	W11(2.5+5.5C)
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL	<MDL
Antimony	31		2.20	1.80	1.80	2.20	2.00
Arsenic	0.38	Canc. e.pt.	**5.60**	**4.10**	**4.20**	**5.40**	**4.50**
Barium	5,300		<MDL	<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		**0.63**	**0.51**	**0.53**	**0.40**	**0.41**
Cadmium	9	CAL Mod.	3.40	2.90	3.10	2.80	2.80
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	**29.90**	**24.90**	**29.40**	**23.90**	**23.00**
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL	<MDL
Copper	2,800		26.90	19.10	23.20	27.50	24.90
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	7.60	7.50	6.80	22.10	10.60
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.06	0.06	0.09	0.10	0.08
Nickel	150	CAL Mod.	21.90	17.60	19.30	19.40	19.60
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Selenium	380		0.56	0.44	0.46	0.54	0.51
Silver	380		0.90	0.70	0.74	0.86	0.81
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		11.20	8.80	9.20	10.80	10.10
Vanadium	540		<MDL	<MDL	<MDL	<MDL	<MDL
Zinc	23,000		53.50	53.10	50.30	74.80	57.50

SUMMARY TABLE OF ANALYTICAL RESULTS
PPMETALS EPA 6010
BC SANTA FE SPRINGS LLC
(Results in mg/kg)

Priority Pollutant Metals	PRG (mg/Kg)	Note	W12-1.0	W12(2.5+5.5C)	S1	S2
Aluminum	77,000		<MDL	<MDL	<MDL	<MDL
Antimony	31		1.90	2.10	4.30	20.00
Arsenic	0.38	Canc. e.pt.	5.20	5.60	5.90	57.10
Barium	5,300		<MDL	<MDL	<MDL	<MDL
Beryllium	0.14		0.37	0.46	0.43	2.00
Cadmium	9	CAL Mod.	3.20	3.20	6.80	4.00
Calcium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL
Chromium	0.20	CAL Mod.	29.80	24.60	220.00	10.00
Cobalt	4,600		<MDL	<MDL	<MDL	<MDL
Copper	2,800		54.00	30.00	1050.00	81.00
Cyanide	780	DTSC	<MDL	<MDL	<MDL	<MDL
Iron	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL
Lead	130	CAL Mod.	118.00	43.40	70.80	30.00
Magnesium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL
Manganese	3,200		<MDL	<MDL	<MDL	<MDL
Mercury	21	DTSC	0.12	0.09	0.16	2.20
Nickel	150	CAL Mod.	32.50	18.70	95.20	80.80
Potassium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL
Selenium	380		0.50	0.74	1.10	19.50
Silver	380		0.77	0.83	1.70	8.00
Sodium	NOT ESTABLISHED		<MDL	<MDL	<MDL	<MDL
Thallium	NOT ESTABLISHED		9.70	10.30	21.30	10.00
Vanadium	540		<MDL	<MDL	<MDL	<MDL
Zinc	23,000		123.00	137.00	1530.00	192.00

SUMMARY TABLE OF ANALYTICAL RESULTS
PCB'S EPA 8080
BC SANTA FE SPRINGS LLC
(Results in ug/kg)

EPA 8080 PCBs	PRG (ug/Kg)	B4-1.0	W7-1.0	W8(2.5+5.5C)	W9-1.0	W12-1.0	W12(2.5+5.5C)
PCB 1016	4,900	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
PCB 1221	66	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
PCB 1232	66	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
PCB 1242	66	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
PCB 1248	66	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
PCB 1254	1,400	47	150	75		97	110
PCB 1260	66	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL

Notes:

PRG	Preliminary Remedial Goal for residential soils established by the EPA.
DTSC	PRG Established by the Department of Toxic Substances Control, Office of Scientific Affairs, Technical Directive, January 1994.
CAL Mod	California Modified Value.
<MDL	Below the method detection limit.
Canc. e.pt.	Cancer end point.
Surrogate	A substitute compound with similar chemical structure was used to establish the PRG.
PPMetals	Priority Pollutant Metals.
PCBs	Polychlorinated biphenyls.

Bold concentration values are above the established PRG. Analytical results for volatiles, semivolatiles, and PCBs are expressed in ug/kg. Analytical results for metals are expressed in mg/kg.

APPENDIX D

APPENDIX D

LABORATORY DATA AND CHAIN-OF-CUSTODY DOCUMENTS, HLA SUBSURFACE INVESTIGATION, JULY 15-17, 1997

AMERICAN ENVIRONMENTAL NETWORK, INC.
9151 Rumsey Road Suite 150, Columbia, MD 21045-1992
(410) 730-8525 Fax (410) 997-2586

July 25, 1997

Michael Joyce, Esq.
BC Sante Fe Springs, LLC
c/o Allen, Matkins, Leck, Gamble, & Mallory, LLP
18400 Von Karman
Forth Floor
Irvine, CA 92612

Dear Mr. Joyce:

Enclosed please find the results of analyses performed on the samples received 7/18/97.

The samples were analyzed in accordance with EPA-approved methods.

American Environmental Network appreciates this opportunity to serve your analytical needs and looks forward to working with you on future projects. Please feel free to call me if you have any questions concerning this report at (410) 730-8525.

Sincerely,

John C. Ermatinger
Project Manager

9707-088, 089, 090, 091
Enclosures
jce

AMERICAN ENVIRONMENTAL NETWORK - CERTIFICATION NUMBERS

STATE	CERTIFICATION NUMBER
California	1318
Connecticut	PH-0113
Delaware	MD026
Florida	E87523
Maryland	MD026
Massachusetts	M-MD-026
New Hampshire (Drinking Water)	250496-A
New Hampshire (Non-Potable Water)	250496-B
New Jersey	60056
New York	10605
North Carolina	335
Pennsylvania	68-479
Rhode Island (Licensure)	140
South Carolina	86008
Virginia	00177

February 26, 1997

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EPA ORGANIC DATA QUALIFIERS

U - Indicates compound was analyzed for but was not detected.

J - Indicates that a compound is present below the reporting limits but above the instrument or method detection limits. This flag is may is also used When estimating a concentration for tentatively identified compounds where a 1:1 response is assumed,

B - Indicates that the compound is found in the associated bank as well as in the sample, a possible/probable indication of blank contamination. It warns the data user to take appropriate action.

E - Indicates compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - Indicates compounds in an analysis at a secondary dilution factor.

P- Indicates that there is a greater than 25% difference for detected concentrations between the two GC columns used for pesticide analysis. The lower of the two values is reported on the Form I.

A - Aldol condensation product. Used in tentatively identified compounds indicating potential reaction by-product from the extraction process.

American Environmental Network, Inc.

Case Number: L9707091
Client Name: Van Waters & Rogers, Inc.
Project Name: VWR-SANTE FE SPRINGS
Method: 8270B

Client ID	AEN ID	Date Sampled	Date Received	Date Prepped	Date Analyzed
S2 (SCALE PIT WATER)	L9707091-002	07/17/97	07/18/97	07/21/97	07/24/97
S1 (2"SLUDGE)	L9707091-001	07/17/97	07/18/97	07/21/97	07/24/97

One aqueous sample and one sludge sample were analyzed for the semivolatile organic compounds using SW846 Method 8270B. This package consists of the tabulated results of the sample(s), method blank(s), and the QC forms II, III, and IV.

Form I (Tabulated Results):
All sample analyses were performed within the holding time requirement. Sample S1 was brought to a final volume of 5 mL. The quantitation limit for this sample was increased 5 fold.

Form II (Surrogate Recovery):
All surrogate recoveries were within specified limits for all samples and associated QC.

Form III (Matrix Spike/Matrix Spike Duplicate (MS/MSD):
BS/BSD samples were extracted and analyzed with these samples. All recoveries and %RPDs were within specified limits for the QC associated with sample S1 (extracted with samples presented in AEN package 9707090). The BS recoveries for 5-Nitrophenol and Pentachlorophenol were outside of acceptance criteria. However, the phenolic surrogates in the samples and blank were acceptable. This suggests that a problem occurred only with the BS/BSD sample pair, not the other samples extracted at the same time. Data usability should not be affected.

Form IV (Method Blank Summary):
Each method blank was free of target analytes.

Analyst: Roy H Callet Date 7/25/97
Released by: Marshay Burrell Date 7/25/97

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S1 (2"SLUDGE)

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #001

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG208.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 54 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	3500	UD
108-95-2	Phenol	3500	UD
95-57-8	2-Chlorophenol	3500	UD
541-73-1	1,3-Dichlorobenzene	3500	UD
106-46-7	1,4-Dichlorobenzene	3500	UD
95-50-1	1,2-Dichlorobenzene	3500	UD
108-60-1	bis(2-chloroisopropyl)ether	3500	UD
95-48-7	2-Methylphenol	3500	UD
67-72-1	Hexachloroethane	3500	UD
621-64-7	N-Nitroso-di-n-propylamine	3500	UD
106-44-5	4-Methylphenol	3500	UD
98-95-3	Nitrobenzene	3500	UD
78-59-1	Isophorone	3500	UD
88-75-5	2-Nitrophenol	3500	UD
105-67-9	2,4-Dimethylphenol	3500	UD
111-91-1	bis(2-Chloroethoxy)methane	3500	UD
120-83-2	2,4-Dichlorophenol	3500	UD
120-82-1	1,2,4-Trichlorobenzene	3500	UD
91-20-3	Naphthalene	3500	UD
106-47-8	4-Chloroaniline	3500	UD
87-68-3	Hexachlorobutadiene	3500	UD
59-50-7	4-Chloro-3-methylphenol	3500	UD
91-57-6	2-Methylnaphthalene	3500	UD
77-47-4	Hexachlorocyclopentadiene	3500	UD
88-06-2	2,4,6-Trichlorophenol	3500	UD
95-95-4	2,4,5-Trichlorophenol	8800	UD
91-58-7	2-Chloronaphthalene	3500	UD
88-74-4	2-Nitroaniline	8800	UD
208-96-8	Acenaphthylene	3500	UD
131-11-3	Dimethylphthalate	3500	UD
606-20-2	2,6-Dinitrotoluene	3500	UD
83-32-9	Acenaphthene	3500	UD
99-09-2	3-Nitroaniline	8800	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S1 (2"SLUDGE)

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #001

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG208.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 54 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	8800	UD
132-64-9	Dibenzofuran	3500	UD
121-14-2	2,4-Dinitrotoluene	3500	UD
100-02-7	4-Nitrophenol	8800	UD
86-73-7	Fluorene	3500	UD
7005-72-3	4-Chlorophenyl-phenylether	3500	UD
84-66-2	Diethylphthalate	3500	UD
100-01-6	4-Nitroaniline	8800	UD
534-52-1	4,6-Dinitro-2-methylphenol	8800	UD
86-30-6	n-Nitrosodiphenylamine	3500	UD
101-55-3	4-Bromophenyl-phenylether	3500	UD
118-74-1	Hexachlorobenzene	3500	UD
87-86-5	Pentachlorophenol	8800	UD
85-01-8	Phenanthrene	3500	UD
120-12-7	Anthracene	3500	UD
84-74-2	Di-n-butylphthalate	3500	UD
86-74-8	Carbazole	3500	UD
206-44-0	Fluoranthene	3500	UD
129-00-0	Pyrene	3500	UD
85-68-7	Butylbenzylphthalate	3500	UD
91-94-1	3,3'-Dichlorobenzidine	3500	UD
56-55-3	Benzo(a)anthracene	3500	UD
218-01-9	Chrysene	3500	UD
117-81-7	bis(2-Ethylhexyl)phthalate	1400	JD
117-84-0	Di-n-octylphthalate	3500	UD
205-99-2	Benzo(b)fluoranthene	3500	UD
207-08-9	Benzo(k)fluoranthene	3500	UD
50-32-8	Benzo(a)pyrene	3500	UD
193-39-5	Indeno(1,2,3-cd)pyrene	3500	UD
53-70-3	Dibenz(a,h)anthracene	3500	UD
191-24-2	Benzo(g,h,i)perylene	3500	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S2 SCALE PIT WATER

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: #002

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: DG209.D

Level: (low/med) _____ Date Received: 7/18/97

% Moisture: 100 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	25	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S2 SCALE PIT WATER

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: #002

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: DG209.D

Level: (low/med) Date Received: 7/18/97

% Moisture: 100 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	25	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	5.9	J
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	2.3	J
86-74-8	Carbazole	10	U
206-44-0	Fluoranthene	4.7	J
129-00-0	Pyrene	8.7	J
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	2.5	J
117-81-7	bis(2-Ethylhexyl)phthalate	67	
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	3.9	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG397-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG190.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	330	U
108-95-2	Phenol	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
108-60-1	bis(2-chloroisopropyl)ether	330	U
95-48-7	2-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
106-44-5	4-Methylphenol	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
208-96-8	Acenaphthylene	330	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
83-32-9	Acenaphthene	330	U
99-09-2	3-Nitroaniline	830	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG397-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG190.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
100-02-7	4-Nitrophenol	830	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
84-66-2	Diethylphthalate	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	n-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
86-74-8	Carbazole	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo[a]anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo[b]fluoranthene	330	U
207-08-9	Benzo[k]fluoranthene	330	U
50-32-8	Benzo[a]pyrene	330	U
193-39-5	Indeno[1,2,3-cd]pyrene	330	U
53-70-3	Dibenz[a,h]anthracene	330	U
191-24-2	Benzo[g,h,i]perylene	330	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK02

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: WG398-1

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: DG210.D

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	25	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK02

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: WG398-1

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: OG210.D

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	25	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
86-74-8	Carbazole	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01MS

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: WG397-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG191.D

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	330	U
108-95-2	Phenol	2600	
95-57-8	2-Chlorophenol	2600	
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	2200	
95-50-1	1,2-Dichlorobenzene	330	U
108-60-1	bis(2-chloroisopropyl)ether	330	U
95-48-7	2-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
621-64-7	N-Nitroso-di-n-propylamine	2400	
106-44-5	4-Methylphenol	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	2200	
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	2900	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
208-96-8	Acenaphthylene	330	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
83-32-9	Acenaphthene	2600	
99-09-2	3-Nitroaniline	830	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01MS

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG397-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG191.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	2100	
100-02-7	4-Nitrophenol	2300	
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
84-66-2	Diethylphthalate	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	n-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1200	
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
86-74-8	Carbazole	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	2100	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo[a]anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo[b]fluoranthene	330	U
207-08-9	Benzo[k]fluoranthene	330	U
50-32-8	Benzo[a]pyrene	330	U
193-39-5	Indeno[1,2,3-cd]pyrene	330	U
53-70-3	Dibenz[a,h]anthracene	330	U
191-24-2	Benzo[g,h,i]perylene	330	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK02MS

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: WG398-2

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: DG211.D

Level: (low/med) _____ Date Received: _____

% Moisture: 100 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/25/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	42	
95-57-8	2-Chlorophenol	79	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	70	
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	79	
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	71	
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	73	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	83	
99-09-2	3-Nitroaniline	25	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK02MS

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: WG398-2

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: DG211.D

Level: (low/med) _____ Date Received: _____

% Moisture: 100 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/25/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	54	
100-02-7	4-Nitrophenol	11	J
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
86-74-8	Carbazole	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	59	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK02MSD

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: WG398-3

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: DG212.D

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/25/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
111-44-4	bis(2-Chloroethyl)ether	2.6	J
108-95-2	Phenol	41	
95-57-8	2-Chlorophenol	80	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	76	
95-50-1	1,2-Dichlorobenzene	79	
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	85	
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	81	
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	79	
91-57-6	2-Methylnaphthalene	55	
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	6.4	J
606-20-2	2,6-Dinitrotoluene	14	
83-32-9	Acenaphthene	87	
99-09-2	3-Nitroaniline	25	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK02MSD

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: WG398-3

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: DG212.D

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/25/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	69	
100-02-7	4-Nitrophenol	17	J
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
86-74-8	Carbazole	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	55	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: _____ Location: _____ Group: _____

	SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	#	#	TOT OUT
01	S2 SCALE PIT W	39	30	88	106	103	68			
02	SBLK02	40	33	77	102	49	54			
03	SBLK02MS	45	36	79	101	51	65			
04	SBLK02MSD	45	35	86	101	66	59			
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	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(21-100)
S2 (PHL) = Phenol-d5	(10-94)
S3 (NBZ) = Nitrobenzene-d5	(34-114)
S4 (FBP) = 2-Fluorobiphenyl	(43-116)
S5 (TBP) = 2,4,6-Tribromophenol	(10-123)
S6 (TPH) = Terphenyl-d14	(33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: _____ Location: _____ Group: _____

Level: (low/med) LOW

	SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	#	#	TOT OUT
01	SBLK01	60	71	79	91	64	68			
02	SBLK01MS	55	63	73	87	78	78			
03	S1 (2"SLUDGE)	86 D	92 D	93 D	129 D	133 D	84 D			
04										
05										
06										
07										
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	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(25-121)
S2 (PHL) = Phenol-d5	(24-113)
S3 (NBZ) = Nitrobenzene-d5	(23-120)
S4 (FBP) = 2-Fluorobiphenyl	(30-115)
S5 (TBP) = 2,4,6-Tribromophenol	(19-122)
S6 (TPH) = Terphenyl-d14	(18-137)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AENI MD Contract: VAN50

Project No.: 9707091 Site: _____ Location: _____ Group: _____

Matrix Spike · Sample No.: SBLK02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
Phenol	200	0	42	21		(12-89)
2-Chlorophenol	200	0	79	40		(27-123)
1,4-Dichlorobenzene	100	0	70	70		(36-97)
N-Nitroso-di-n-propylamine	100	0	79	79		(41-116)
1,2,4-Trichlorobenzene	100	0	71	71		(39-98)
4-Chloro-3-methylphenol	200	0	73	37		(23-97)
Acenaphthene	100	0	83	83		(46-118)
2,4-Dinitrotoluene	100	0	54	54		(24-96)
4-Nitrophenol	200	0	11	6	*	(10-80)
Pentachlorophenol	200	0	0	0	*	(9-103)
Pyrene	100	0	59	59		(26-127)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
Phenol	200	41	21		2		42	(12-89)
2-Chlorophenol	200	80	40		1		40	(27-123)
1,4-Dichlorobenzene	100	76	76		8		28	(36-97)
N-Nitroso-di-n-propylamine	100	85	85		7		38	(41-116)
1,2,4-Trichlorobenzene	100	81	81		13		28	(39-98)
4-Chloro-3-methylphenol	200	79	40		8		42	(23-97)
Acenaphthene	100	87	87		5		31	(46-118)
2,4-Dinitrotoluene	100	69	69		24		38	(24-96)
4-Nitrophenol	200	17	9	*	43		50	(10-80)
Pentachlorophenol	200	0	0	*	#####	##	50	(9-103)
Pyrene	100	55	55		7		31	(26-127)

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 4 out of 22 outside limits

Comments: _____

American Environmental Network, Inc.

Case Number: L9707091
Client Name: Van Waters & Rogers, Inc.
Project Name: VWR-SANTE FE SPRINGS
Method: 8260(A)

Client ID	AEN ID	Matrix	Date Sampled	Date Received	Date Analyzed
S2 (SCALE PIT WATER)	L9707091-002	Water	07/17/97	07/18/97	07/24/97
TRIP BLANKS	L9707091-003	Water	07/17/97	07/18/97	07/24/97
S1 (2"SLUDGE)	L9707091-001	Sludge	07/17/97	07/18/97	07/24/97

Two Ground Water and One Sludge samples were analyzed for the volatile organic compounds by method 8260(A). This package consists of the tabulated results of the sample(s), method blank(s), and the QC forms II, III, and IV.

Form I(Tabulated Results):
All sample analyses were performed within the holding time requirement.

Form II(Surrogate Recovery):
All surrogate recoveries were within specified limits, except for toluene-d8 in the matrix spike.

Form III(Matrix Spike/Matrix Spike Duplicate(MS/MSD):
The MS/MSD analysis was performed on AEN sample 9707081-007. All recoveries and %RPDs were within specified limits, except for the recovery for trichloroethene and the %RPD for benzene and trichlorethene.

Form IV(Method Blank Summary):
Each method blank was free of target analytes, except for methylene chloride.

Analyst: _____ Date 7/25/97

Released by: _____ Date 7/25/97

EPA ORGANIC DATA QUALIFIERS

U - Indicates compound was analyzed for but was not detected.

J - Indicates that a compound is present below the reporting limits but above the instrument or method detection limits. This flag is may is also used When estimating a concentration for tentatively identified compounds where a 1:1 response is assumed,

B - Indicates that the compound is found in the associated bank as well as in the sample, a possible/probable indication of blank contamination. It warns the data user to take appropriate action.

E - Indicates compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - Indicates compounds in an analysis at a secondary dilution factor.

P- Indicates that there is a greater than 25% difference for detected concentrations between the two GC columns used for pesticide analysis. The lower of the two values is reported on the Form I.

A - Aldol condensation product. Used in tentatively identified compounds indicating potential reaction by-product from the extraction process.

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AENI Contract: VAN50

Project No.: 9707091 Site: _____ Location: _____ Group: _____

	SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	OTHER #	TOT OUT
01	VBLK01	100	109	78		
02	9707081-007	111	102	83		
03	9707081-007MS	97	120 *	93		1
04	9707081-007MS	105	108	78		
05	S2 (SCALE PIT W	106	109	78		
06	TRIP BLANKS	109	105	87		
07	S1 (2" SLUDGE)	105	98	92		
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	QC LIMITS
SMC1 = Dibromofluoromethane	(79-122)
SMC2 = Toluene-d8	(86-112)
SMC3 = Bromofluorobenzene	(76-118)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AENI Contract: VAN50

Project No.: 9707091 Site: _____ Location: _____ Group: _____

Matrix Spike - Sample No.: 9707081-007

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	50	0	41	82		(61-145)
Benzene	50	0	50	100		(76-127)
Trichloroethene	50	0	35	70	*	(71-120)
Toluene	50	0	49	98		(76-125)
Chlorobenzene	50	0	44	88		(75-130)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MS % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	44	88		7		14	(61-145)
Benzene	50	44	88		13	*	11	(76-127)
Trichloroethene	50	42	84		18	*	14	(71-120)
Toluene	50	44	88		11		13	(76-125)
Chlorobenzene	50	48	96		9		13	(75-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 5 outside limits
Spike Recovery: 1 out of 10 outside limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

VBLK01

Lab Name: AENI Contract: VAN50

Project No.: 9707091 Site: _____ Location: _____ Group: _____

Lab File ID: EG168.D Lab Sample ID: VBLK01

Date Analyzed: 7/24/97 Time Analyzed: 1309

GC Column: CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: E7200

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	9707081-007	#007 QC	EG172.D	7/24/97
02	9707081-007MS	#007 MS	EG173.D	7/24/97
03	9707081-007MSD	#007 MSD	EG174.D	7/24/97
04	S2 (SCALE PIT WATER)	#002	EG177.D	7/24/97
05	TRIP BLANKS	#003	EG178.D	7/24/97
06	S1 (2" SLUDGE)	#001	EG179.D	7/24/97
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COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S1 (2"SLUDGE)

Lab Name: AENI Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #001

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG179.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 54 Date Analyzed: 7/24/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
75-09-2	Methylene Chloride	9.6	JB
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
594-20-7	2,2-Dichloropropane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
74-97-5	Bromochloromethane	11	U
71-55-6	1,1,1-Trichloroethane	11	U
563-58-6	1,1-Dichloropropene	11	U
56-23-5	Carbon Tetrachloride	11	U
107-06-2	1,2-Dichloroethane	11	U
71-43-2	Benzene	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
74-95-3	Dibromomethane	11	U
108-88-3	Toluene	3.2	J
79-00-5	1,1,2-Trichloroethane	11	U
106-93-4	1,2-Dibromoethane	11	U
142-28-9	1,3-Dichloropropane	11	U
127-18-4	Tetrachloroethene	11	U
124-48-1	Dibromochloromethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
630-20-6	1,1,1,2-Tetrachloroethane	11	U
108-38-3	m + p-Xylene	2.7	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S1 (2"SLUDGE)

Lab Name: AENI Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #001

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG179.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 54 Date Analyzed: 7/24/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
95-47-6	o-Xylene	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
96-18-4	1,2,3-Trichloropropane	11	U
103-65-1	n-Propylbenzene	11	U
108-86-1	Bromobenzene	11	U
108-67-8	1,3,5-Trimethylbenzene	5.9	J
106-43-4	4-Chlorotoluene	11	U
95-49-8	2-Chlorotoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	7.5	J
135-98-8	sec-Butylbenzene	11	U
99-87-6	p-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-Chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
87-68-3	Hexachlorobutadiene	11	U
91-20-3	Naphthalene	11	U
87-61-6	1,2,3-Trichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S2 (SCALE PIT WATE

Lab Name: AENI Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: #002

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EG177.D

Level: (low/med) Date Received: 7/18/97

% Moisture: not dec. 100 Date Analyzed: 7/24/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5.4	B
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
74-97-5	Bromochloromethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
74-95-3	Dibromomethane	5	U
108-88-3	Toluene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
106-93-4	1,2-Dibromoethane	5	U
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
108-38-3	m + p-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S2 (SCALE PIT WATE

Lab Name: AENI Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: #002

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EG177.D

Level: (low/med) Date Received: 7/18/97

% Moisture: not dec. 100 Date Analyzed: 7/24/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/L	Q
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
108-86-1	Bromobenzene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
95-49-8	2-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	p-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANKS

Lab Name: AENI Contract: VAN50

Project No.: 9707091 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: #003

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EG178.D

Level: (low/med) _____ Date Received: 7/18/97

% Moisture: not dec. 100 Date Analyzed: 7/24/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	4.9	JB
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
74-97-5	Bromochloromethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
74-95-3	Dibromomethane	5	U
108-88-3	Toluene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
106-93-4	1,2-Dibromoethane	5	U
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
108-38-3	m + p-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANKS

Lab Name: AENI Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: #003

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EG178.D

Level: (low/med) Date Received: 7/18/97

% Moisture: not dec. 100 Date Analyzed: 7/24/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/L	Q
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
108-86-1	Bromobenzene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
95-49-8	2-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	p-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK01

Lab Name: AENI Contract: VAN50

Project No.: 9707091 Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EG168.D

Level: (low/med) Date Received:

% Moisture: not dec. 100 Date Analyzed: 7/24/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	1.1	J
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
74-97-5	Bromochloromethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
74-95-3	Dibromomethane	5	U
108-88-3	Toluene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
106-93-4	1,2-Dibromoethane	5	U
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
108-38-3	m + p-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK01

Lab Name: AENI Contract: VAN50

Project No.: 9707091 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EG168.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 7/24/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
108-86-1	Bromobenzene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
95-49-8	2-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	p-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

AMERICAN ENVIRONMENTAL NETWORK,INC.

9151 Rumsey Road Suite 150, Columbia, MD 21045-1992
(410) 730-8525 Fax (410) 997-2586

July 25, 1997

Client: Van Waters & Rogers, Inc.

Project: Santa Fe Springs Job#38878.1

Case: 9707091

Analysis: Metals

Client ID	AENI ID	Date Sampled	Date Received	Date Analyzed
S1 (2"SLUDGE)	9707091-001	07/17/97	07/18/97	07/23-25/97
S2 (SCALE PIT WATER)	9707091-002	07/17/97	07/18/97	07/23-25/97

One sludge sample was received and analyzed for metals per SW846 methodologies. Results are reported in units of mg/kg dry weight.

The matrix spike and/or matrix spike duplicate recoveries were outside acceptable limits for antimony, chromium, selenium and thallium. A post spike was performed and reported. The duplicate analysis was outside control limits for chromium, nickel and zinc and the data flagged.

This sample contained a negative interferant for the analysis of thallium, necessitating a ten fold dilution in order to remove the interferant.

One groundwater sample was received and analyzed for metals per SW846 methodology. Results are reported in units of ug/L.

The matrix spike and matrix spike duplicate recoveries were outside control limits for thallium. A post-spike was performed and reported. All other quality control results were within normal control limits.

This report consists of forms containing sample and quality control results.

Report Released By _____

Christopher Baggett
Inorganic Laboratory Manager

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S1

Matrix (soil/water): SOIL Lab Sample ID: 970709101

Level (low/med): LOW Date Received: 07/18/97

% Solids: 46.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	4.3	U	N	P
7440-38-2	Arsenic	5.9			P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.43	U		P
7440-43-9	Cadmium	6.8			P
7440-70-2	Calcium				NR
7440-47-3	Chromium	220		N*	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	1050			P
7439-89-6	Iron				NR
7439-92-1	Lead	70.8			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.16	U		AV
7440-02-0	Nickel	95.2		*	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.1	U	N	P
7440-22-4	Silver	1.7	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	21.3	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	1530		*	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: S1 (2"SLUDGE)

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3
BLANKS

Lab Name: AENI_____ Contract: 9707091___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: S1____

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony									2.000	U	P
Arsenic									0.800	U	P
Barium											NR
Beryllium									0.200	U	P
Cadmium									0.400	U	P
Calcium											NR
Chromium									1.000	U	P
Cobalt											NR
Copper									2.500	U	P
Iron											NR
Lead									1.000	U	P
Magnesium											NR
Manganese											NR
Mercury									0.100	U	AV
Nickel									1.500	U	P
Potassium											NR
Selenium									0.500	U	P
Silver									0.800	U	P
Sodium											NR
Thallium									1.000	U	P
Vanadium											NR
Zinc									2.000	U	P
Cyanide											NR

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
970710302S

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	0.7400		0.0870	U	0.80	92.5		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
MATRIX_SPIKE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
970710302M

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	0.7615		0.0870	U	0.77	98.9		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
MATRIX_SPIKE_DUPLICATE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
970712401S

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	4.5298		2.0000	U	8.20	55.2	N	P
Arsenic	80-120	17.1208		8.7511		8.20	102.1		P
Barium									NR
Beryllium	80-120	3.9836		0.3868		4.10	87.7		P
Cadmium		43.8293		38.7302		4.10	124.4		P
Calcium									NR
Chromium	80-120	62.5302		33.2836		16.39	178.4	N	P
Cobalt									NR
Copper		818.5380		771.9826		20.49	227.2		P
Iron									NR
Lead		227.7505		200.0386		40.98	67.6		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	80-120	70.1120		28.8047		40.98	100.8		P
Potassium									NR
Selenium	80-120	7.8399		1.2494		8.20	80.4		P
Silver	80-120	8.7593		1.4036		8.20	89.7		P
Sodium									NR
Thallium	80-120	2.5951		1.0000	U	8.20	31.6	N	P
Vanadium									NR
Zinc		720.4622		541.2880		40.98	437.2		P
Cyanide									NR

Comments:
MATRIX_SPIKE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
970712401M

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	3.5376		2.0000	U	8.70	40.7	N	P
Arsenic	80-120	16.3749		8.7511		8.70	87.6		P
Barium									NR
Beryllium	80-120	4.1498		0.3868		4.35	86.5		P
Cadmium		37.5316		38.7302		4.35	-27.6		P
Calcium									NR
Chromium	80-120	58.6705		33.2836		17.39	146.0	N	P
Cobalt									NR
Copper		729.7957		771.9826		21.74	-194.1		P
Iron									NR
Lead		262.6312		200.0386		43.48	144.0		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	80-120	71.0806		28.8047		43.48	97.2		P
Potassium									NR
Selenium	80-120	7.9224		1.2494		8.70	76.7	N	P
Silver	80-120	9.0749		1.4036		8.70	88.2		P
Sodium									NR
Thallium	80-120	3.3085		1.0000	U	8.70	38.0	N	P
Vanadium									NR
Zinc		627.9902		541.2880		43.48	199.4		P
Cyanide									NR

Comments:
MATRIX_SPIKE_DUPLICATE

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

970712401A

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S1

Matrix (soil/water) : SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Aluminum									NR
Antimony		189.84		20.00	U	200.0	94.9		P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium		521.17		332.84		200.0	94.2		P
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium		27.25		12.49		20.0	73.8		P
Silver									NR
Sodium									NR
Thallium		10.00	U	10.00	U	20.0	0.0		P
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

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6
DUPLICATES

EPA SAMPLE NO.
970710302D

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0 % Solids for Duplicate: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury		0.0870	U	0.0800	U			AV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

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6
DUPLICATES

EPA SAMPLE NO.

970712401D

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0 % Solids for Duplicate: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		2.0000	U	1.9802	U			P
Arsenic		8.7511		10.0103		13.4		P
Barium								NR
Beryllium	0.2	0.3868		0.4190		8.0		P
Cadmium		38.7302		32.0425		18.9		P
Calcium								NR
Chromium		33.2836		48.0977		36.4	*	P
Cobalt								NR
Copper		771.9826		662.0106		15.3		P
Iron								NR
Lead		200.0386		223.9294		11.3		P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel		28.8047		36.9869		24.9	*	P
Potassium								NR
Selenium	0.5	1.2494		1.5414		20.9		P
Silver	0.8	1.4036		1.3960		0.5		P
Sodium								NR
Thallium		1.0000	U	0.9901	U			P
Vanadium								NR
Zinc		541.2880		680.0389		22.7	*	P
Cyanide								NR

7

LABORATORY CONTROL SAMPLE

Lab Name: AENI Contract: 9707091

Lab Code: _____ Case No.: VAN50 SAS No.: _____ SDG No.: S1

Solid LCS Source: _____

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony	100.0	90.71	90.7						
Arsenic	100.0	97.35	97.4						
Barium									
Beryllium	50.0	49.18	98.4						
Cadmium	50.0	50.62	101.2						
Calcium									
Chromium	200.0	205.55	102.8						
Cobalt									
Copper	250.0	254.94	102.0						
Iron									
Lead	500.0	500.29	100.1						
Magnesium									
Manganese									
Mercury									
Nickel	500.0	517.93	103.6						
Potassium									
Selenium	100.0	90.39	90.4						
Silver	100.0	95.56	95.6						
Sodium									
Thallium	100.0	94.57	94.6						
Vanadium									
Zinc	500.0	498.59	99.7						
Cyanide									

7
LABORATORY CONTROL SAMPLE

Lab Name: AENI_____ Contract: 9707091___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: S1____

Solid LCS Source: _____

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	1.0	0.85	85.0						
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

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10

Instrument Detection Limits (Quarterly)

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S1

ICP ID Number: Date: 04/01/97

Flame AA ID Number : PE_3100

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			20		NR
Arsenic			8		NR
Barium			100		NR
Beryllium			2		NR
Cadmium			4		NR
Calcium			500		NR
Chromium			10		NR
Cobalt			11		NR
Copper			10		NR
Iron			100		NR
Lead			10		NR
Magnesium			500		NR
Manganese			15		NR
Mercury	253.05		0.2	0.2	AV
Nickel			15		NR
Potassium			1000		NR
Selenium			5		NR
Silver			8		NR
Sodium			1000		NR
Thallium			10		NR
Vanadium			16		NR
Zinc			20		NR

Comments:

10
Instrument Detection Limits (Quarterly)

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S1

ICP ID Number: TJA_TRACE_PB Date: 04/28/97

Flame AA ID Number :

Furnace AA ID Number :

Analyte	Wavelength (nm)	Background	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony	206.83		20	20.0	P
Arsenic	189.04		8	8.0	P
Barium			100		NR
Beryllium	313.04		2	2.0	P
Cadmium	226.50		4	4.0	P
Calcium			500		NR
Chromium	267.72		10	10.0	P
Cobalt			11		NR
Copper	324.75		10	25.0	P
Iron			100		NR
Lead	220.35		10	10.0	P
Magnesium			500		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel	231.60		15	15.0	P
Potassium			1000		NR
Selenium	196.02		5	5.0	P
Silver	328.07		8	8.0	P
Sodium			1000		NR
Thallium	190.86		10	10.0	P
Vanadium			16		NR
Zinc	206.20		20	20.0	P

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S2

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S2

Matrix (soil/water): WATER Lab Sample ID: 970709102

Level (low/med): LOW Date Received: 07/18/97

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	20.0	U		P
7440-38-2	Arsenic	57.1			P
7440-39-3	Barium				NR
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper	81.0			P
7439-89-6	Iron				NR
7439-92-1	Lead	30.0			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	2.2			AV
7440-02-0	Nickel	80.8			P
7440-09-7	Potassium				NR
7782-49-2	Selenium	19.5			P
7440-22-4	Silver	8.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.0	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	192			P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: S2 (SCALE_PIT_WATER)

3
BLANKS

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S2

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prep. Blank	C	M
Aluminum											NR
Antimony									20.000	U	P
Arsenic									8.000	U	P
[illegible]ium											NR
[illegible]yllium									2.000	U	P
Cadmium									4.000	U	P
Calcium											NR
Chromium									10.000	U	P
Cobalt											NR
Copper									25.000	U	P
Iron											NR
Lead									10.000	U	P
Magnesium											NR
Manganese											NR
Mercury									0.200	U	AV
Nickel									15.000	U	P
Potassium											NR
Selenium									5.000	U	P
Silver									8.000	U	P
Sodium											NR
Thallium									10.000	U	P
Vanadium											NR
Zinc									20.000	U	P
Cyanide											NR

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
970708107M

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S2

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	2.1600		0.2000	U	2.00	108.0		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
MATRIX_SPIKE_DUPLICATE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
970708107S

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S2

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	2.1300		0.2000	U	2.00	106.5		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
MATRIX_SPIKE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
970711316S

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S2

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	98.9190		20.0000	U	100.00	98.9		P
Arsenic	80-120	101.8250		8.0000	U	100.00	101.8		P
Barium									NR
Beryllium	80-120	50.0840		2.0000	U	50.00	100.2		P
Cadmium	80-120	52.9780		4.0000	U	50.00	106.0		P
Calcium									NR
Chromium	80-120	225.6300		31.7700		200.00	96.9		P
Cobalt									NR
Copper	80-120	249.4550		25.0000	U	250.00	99.8		P
Iron									NR
Lead	80-120	876.4800		383.8600		500.00	98.5		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	80-120	517.4110		15.0000	U	500.00	103.5		P
Potassium									NR
Selenium	80-120	93.1850		5.0000	U	100.00	93.2		P
Silver	80-120	95.0350		8.0000	U	100.00	95.0		P
Sodium									NR
Thallium	80-120	77.5960		10.0000	U	100.00	77.6	N	P
Vanadium									NR
Zinc	80-120	554.4150		73.3080		500.00	96.2		P
Cyanide									NR

Comments:
MATRIX_SPIKE

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
970711316M

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S2

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	99.7550		20.0000	U	100.00	99.8		P
Arsenic	80-120	103.1360		8.0000	U	100.00	103.1		P
Barium									NR
Beryllium	80-120	51.6410		2.0000	U	50.00	103.3		P
Cadmium	80-120	54.7390		4.0000	U	50.00	109.5		P
Calcium									NR
Chromium	80-120	231.7290		31.7700		200.00	100.0		P
Cobalt									NR
Copper	80-120	254.9420		25.0000	U	250.00	102.0		P
Iron									NR
Lead	80-120	905.8480		383.8600		500.00	104.4		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	80-120	533.4480		15.0000	U	500.00	106.7		P
Potassium									NR
Selenium	80-120	96.2780		5.0000	U	100.00	96.3		P
Silver	80-120	97.0800		8.0000	U	100.00	97.1		P
Sodium									NR
Thallium	80-120	79.3570		10.0000	U	100.00	79.4	N	P
Vanadium									NR
Zinc	80-120	570.3280		73.3080		500.00	99.4		P
Cyanide									NR

Comments:
MATRIX_SPIKE_DUPLICATE

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

970711316A

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S2

Matrix (soil/water) : WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium		10.00	U	10.00	U	20.0	0.0		P
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

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6
DUPLICATES

EPA SAMPLE NO.
970708107D

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S2

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury		0.2000	U	0.2000	U			AV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

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6
DUPLICATES

EPA SAMPLE NO.
970711316D

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S2

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		20.0000	U	20.0000	U			P
Arsenic		8.0000	U	8.0000	U			P
Barium								NR
Beryllium		2.0000	U	2.0000	U			P
Cadmium		4.0000	U	4.0000	U			P
Calcium								NR
Chromium	10.0	31.7700		27.5870		14.1		P
Cobalt								NR
Copper		25.0000	U	25.0000	U			P
Iron								NR
Lead		383.8600		408.5010		6.2		P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel		15.0000	U	15.0000	U			P
Potassium								NR
Selenium		5.0000	U	5.0000	U			P
Silver		8.0000	U	8.0000	U			P
Sodium								NR
Thallium		10.0000	U	10.0000	U			P
Vanadium								NR
Zinc	20.0	73.3080		71.4890		2.5		P
Cyanide								NR

7

LABORATORY CONTROL SAMPLE

Lab Name: AENI_____ Contract: 9707091___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: S2____

Solid LCS Source: _____

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony	100.0	100.44	100.4						
Arsenic	100.0	98.18	98.2						
Barium									
Beryllium	50.0	50.54	101.1						
Cadmium	50.0	51.42	102.8						
Calcium									
Chromium	200.0	205.03	102.5						
Cobalt									
Copper	250.0	242.47	97.0						
Iron									
Lead	500.0	514.71	102.9						
Magnesium									
Manganese									
Mercury									
Nickel	500.0	520.18	104.0						
Potassium									
Selenium	100.0	96.48	96.5						
Silver	100.0	95.56	95.6						
Sodium									
Thallium	100.0	99.21	99.2						
Vanadium									
Zinc	500.0	512.66	102.5						
Cyanide									

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LABORATORY CONTROL SAMPLE

Lab Name: AENI_____ Contract: 9707091___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: S2____

Solid LCS Source: _____

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	1.0	1.07	107.0						
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

10

Instrument Detection Limits (Quarterly)

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S2

ICP ID Number: Date: 04/01/97

Flame AA ID Number : PE_3100

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			20		NR
Arsenic			8		NR
Barium			100		NR
Beryllium			2		NR
Cadmium			4		NR
Calcium			500		NR
Chromium			10		NR
Cobalt			11		NR
Copper			10		NR
Iron			100		NR
Lead			10		NR
Magnesium			500		NR
Manganese			15		NR
Mercury	253.05		0.2	0.2	AV
Nickel			15		NR
Potassium			1000		NR
Selenium			5		NR
Silver			8		NR
Sodium			1000		NR
Thallium			10		NR
Vanadium			16		NR
Zinc			20		NR

Comments:

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10

Instrument Detection Limits (Quarterly)

Lab Name: AENI Contract: 9707091

Lab Code: Case No.: VAN50 SAS No.: SDG No.: S2

ICP ID Number: TJA_TRACE_PB Date: 04/28/97

Flame AA ID Number :

Furnace AA ID Number :

Analyte	Wavelength (nm)	Background	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony	206.83		20	20.0	P
Arsenic	189.04		8	8.0	P
Barium			100		NR
Beryllium	313.04		2	2.0	P
Cadmium	226.50		4	4.0	P
Calcium			500		NR
Chromium	267.72		10	10.0	P
Cobalt			11		NR
Copper	324.75		10	25.0	P
Iron			100		NR
Lead	220.35		10	10.0	P
Magnesium			500		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel	231.60		15	15.0	P
Potassium			1000		NR
Selenium	196.02		5	5.0	P
Silver	328.07		8	8.0	P
Sodium			1000		NR
Thallium	190.86		10	10.0	P
Vanadium			16		NR
Zinc	206.20		20	20.0	P

Comments:

AMERICAN ENVIRONMENTAL NETWORK, INC.

July 24, 1997

Client: VAN WATERS & ROGERS

Case: 9707091

Project: SANTA FE SPRINGS

Analysis: PCBs by SW-846 Method 8080A

Client ID	AENI#	Date Sampled	Date Received	Date Extracted	Date Analyzed
S1 (2" SLUDGE)	9707091-001	07/17/97	07/18/97	07/21/97	07/24/97
S2 (SCALE PIT WATER)	9707091-002	07/17/97	07/18/97	07/21/97	07/24/97

Case Narrative:

One soil sample and one water sample were extracted and analyzed for PCB's by SW-846 method 8080A.

The enclosed package consists specifically of tabulated results (Form I), surrogate spike recoveries (Form II), and lab control sample recovery (Form III).

Sample Narrative:

Both sample extracts exhibited a moderate degree of matrix interference.

The samples were prepared and analyzed with the method specified holding time.

Form I (Tabulated Results)

The qualifier "U" indicates that a compound was analyzed for but not detected at or above the detection limit.

Form II (Surrogate Spike Recoveries)

All recoveries are based on a single column analysis.

All soil surrogate recoveries were within laboratory criteria (60-150%). All aqueous surrogate recoveries were less than 60%. Inadequate sample volume was available for re-extraction.

Form III (Matrix Spike Recoveries)

SOIL MATRIX
A blank spike (LCS) was prepared with this sample delivery group. Percent recovery (batch WG396) was acceptable.

AQUEOUS MATRIX
A blank spike and blank spike duplicate were prepared and analyzed with the water sample. Percent recoveries and RPD were acceptable.

Data Released By _____ 7/24/97
Noble Nemieboka
GC/LC Acting Dept. Manager

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707091 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: S1 (2" SLUDGE)

AENI #: 9707091-001

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/24/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 54

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		43	U
AR1221		43	U
AR1232		43	U
AR1242		43	U
AR1248		43	U
AR1254		86	U
AR1260		86	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.25

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707091 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: S2 (SCALE PIT WATER)

AENI #: 9707091-002

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/24/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Separatory Funnel Ext: [X]
Continuous Liq-Liq Ext: [ ]
Matrix: WATER
Percent Moisture: N/A

	ug/L		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		0.5	U
AR1221		0.5	U
AR1232		0.5	U
AR1242		0.5	U
AR1248		0.5	U
AR1254		1.0	U
AR1260		1.0	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - 1000

Ws - Mass of soil extracted (g) - N/A

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707091 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: PBLK01

AENI,#: BLKWG396

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared :07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254		40	U
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707091
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: PBLK01

AENI #: BLKWG399

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/21/97
Date Analyzed: 07/24/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Separatory Funnel Ext: [X]
Continuous Liq-Liq Ext: [ ]
Matrix: WATER
Percent Moisture: N/A

	ug/L		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		0.5	U
AR1221		0.5	U
AR1232		0.5	U
AR1242		0.5	U
AR1248		0.5	U
AR1254		1.0	U
AR1260		1.0	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - 1000

Ws - Mass of soil extracted (g) - N/A

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707091 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: LCS

AENI #: LCSWG396

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254	150	40	
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707091
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: LCS

AENI #: LCSWG399

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/21/97
Date Analyzed: 07/24/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Separatory Funnel Ext: [X]
Continuous Liq-Liq Ext: [ ]
Matrix WATER
Percent Moisture: N/A

	ug/L		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		0.5	U
AR1221		0.5	U
AR1232		0.5	U
AR1242		0.5	U
AR1248		0.5	U
AR1254	4.8	1.0	
AR1260		1.0	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - 1000

Ws - Mass of soil extracted (g) - N/A

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707091
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: LCSD

AENI #: LCSDWG399

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/21/97
Date Analyzed: 07/24/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Separatory Funnel Ext: [X]
Continuous Liq-Liq Ext: [ ]
Matrix: WATER
Percent Moisture: N/A

	ug/L		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		0.5	U
AR1221		0.5	U
AR1232		0.5	U
AR1242		0.5	U
AR1248		0.5	U
AR1254	4.5	1.0	
AR1260		1.0	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - 1000

Ws - Mass of soil extracted (g) - N/A

Vt - Volume of total extract (ul) - 10000

SOIL SURROGATE PERCENT RECOVERY
PCB'S BY SW-846 METHOD 8080A

Case no: 9707091

Laboratory: American Environmental Network, Inc.

Client ID	AEN ID	% Rec DCB 3% OV-1 (60-150)
PBLK01	BLKWG396	64
LCS	LCSWG396	77
S1 (2" SLUDGE)	9707091-001	69

WATER SURROGATE PERCENT RECOVERY
PCB'S BY SW-846 METHOD 8080A

Case no: 9707091

Laboratory: American Environmental Network, Inc.

Client ID	AEN ID	% Rec DCB 3% OV-1 (60-150)
PBLK01	BLKWG399	30*
LCS	LCSWG399	42*
LCSD	LCSDWG399	34*
S2 (SCALE PIT WATER)	9707091-002	28*

ORGANIC ANALYSIS DATA SHEET

AMERICAN ENVIRONMENTAL NETWORK, Inc.

Case Number: 9707091

Method: PCB 8080A

Matrix: Soil

Analysis Date: 7/23/97

Units of AR 1254 in ug/kg

CLIENT ID.	AENI ID.	Spike Added	Sample Results	Conc. LCS	% Rec.
LCS	LCSWG396	170	0	150	88

ORGANIC ANALYSIS DATA SHEET

AMERICAN ENVIRONMENTAL NETWORK, Inc.

Case Number: 9707091

Method: PCB 8080A

Matrix: Water

Analysis Date: 7/24/97

Units of AR1254 in ug/L

CLIENT ID.	AENI ID.	Spike Added	Sample Results	Conc. LCS	% Rec.	Conc. LCSD	% Rec.	% RPD
LCS	LCS/LCSDWG399	5.0	0	4.8	96	4.5	90	6

American Environmental Network, Inc.

Case Number: L9707089
Client Name: Van Waters & Rogers, Inc.
Project Name: VWR-SANTE FE SPRINGS
Method: 8270B

Client ID	AEN ID	Date Sampled	Date Received	Date Prepped	Date Analyzed
B2-1.0	L9707089-001	07/17/97	07/18/97	07/18/97	07/21/97
B1-1.0	L9707089-002	07/17/97	07/18/97	07/18/97	07/21/97
V3-1.0	L9707089-003	07/17/97	07/18/97	07/18/97	07/21/97
V2-1.0	L9707089-004	07/17/97	07/18/97	07/18/97	07/21/97
V6-1.0	L9707089-005	07/17/97	07/18/97	07/18/97	07/21/97
V7-1.0	L9707089-006	07/17/97	07/18/97	07/18/97	07/21/97
V4-1.0	L9707089-007	07/17/97	07/18/97	07/18/97	07/21/97
V5-1.0	L9707089-008	07/17/97	07/18/97	07/18/97	07/21/97
V10-1.0	L9707089-009	07/17/97	07/18/97	07/18/97	07/21/97
V11-1.0	L9707089-010	07/17/97	07/18/97	07/18/97	07/21/97
W1-1.0	L9707089-011	07/16/97	07/18/97	07/18/97	07/22/97
W11-1.0	L9707089-012	07/16/97	07/18/97	07/18/97	07/22/97
V8-1.0	L9707089-013	07/17/97	07/18/97	07/18/97	07/22/97
V12-1.0	L9707089-014	07/17/97	07/18/97	07/18/97	07/22/97
B4-1.0	L9707089-015	07/17/97	07/18/97	07/18/97	07/22/97
B3-1.0	L9707089-016	07/17/97	07/18/97	07/18/97	07/22/97
T5-1.0	L9707089-017	07/16/97	07/18/97	07/18/97	07/22/97
V1-1.0	L9707089-018	07/16/97	07/18/97	07/18/97	07/22/97
W5-1.0	L9707089-019	07/16/97	07/18/97	07/18/97	07/22/97
W4-1.0	L9707089-020	07/16/97	07/18/97	07/18/97	07/22/97
W12-1.0	L9707089-021	07/16/97	07/18/97	07/19/97	07/22/97
W9-1.0	L9707089-022	07/16/97	07/18/97	07/19/97	07/22/97
W10-1.0	L9707089-023	07/16/97	07/18/97	07/19/97	07/22/97
W8-1.0	L9707089-024	07/16/97	07/18/97	07/19/97	07/22/97
W7-1.0	L9707089-025	07/16/97	07/18/97	07/19/97	07/22/97
W2-1.0	L9707089-026	07/16/97	07/18/97	07/19/97	07/22/97
T1-1.0	L9707089-027	07/16/97	07/18/97	07/19/97	07/22/97
T2-1.0	L9707089-028	07/16/97	07/18/97	07/19/97	07/22/97
T3-1.0	L9707089-029	07/16/97	07/18/97	07/19/97	07/22/97
T4-1.0	L9707089-030	07/16/97	07/18/97	07/19/97	07/22/97
V13-1.0	L9707089-031	07/16/97	07/18/97	07/19/97	07/22/97
V9-1.0	L9707089-032	07/16/97	07/18/97	07/19/97	07/22/97
W3-1.0	L9707089-033	07/16/97	07/18/97	07/19/97	07/22/97
W6-1.0	L9707089-034	07/16/97	07/18/97	07/19/97	07/23/97

Thirty-four soil samples were analyzed for the semivolatile organic compounds using SW846 Method 8270B. This package consists of the tabulated results of the sample(s), method blank(s), and the QC forms II, III, and IV.

Form I (Tabulated Results):
All sample analyses were performed within the holding time requirement. Due to the nature of the sample matrix, some of the samples were brought to a final volume of 5 mL. The resulting quantitation limits were elevated 5 fold.

Form II (Surrogate Recovery):
All surrogate recoveries were within specified limits.

Form III (Matrix Spike/Matrix Spike Duplicate (MS/MSD):
MS/MSD analyses were performed on client samples W9-1.0 and B1-1.0. All recoveries and %RPDs were within specified limits with the exception of the %RPD for 1,4-Dichlorobenzene in the B1-1.0 MS/MSD pair.

Form IV(Method Blank Summary):
Each method blank was free of target analytes.

Analyst: Roz H. Calder Date 7/25/97

Released by: Marsha J Burrell Date 7/25/97

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V1-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #018

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG132.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	920	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V1-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #018

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG132.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	920	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V2-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #004

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG116.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 11 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	930	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V2-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #004

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG116.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 11 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	930	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	930	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	180	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V3-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #003

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG115.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	940	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	U
99-09-2	3-Nitroaniline	940	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V3-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #003

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG115.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	940	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
100-02-7	4-Nitrophenol	940	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	100	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno[1,2,3-cd]pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V4-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #007

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG119.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 5 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1700	UD
108-95-2	Phenol	1700	UD
95-57-8	2-Chlorophenol	1700	UD
541-73-1	1,3-Dichlorobenzene	1700	UD
106-46-7	1,4-Dichlorobenzene	1700	UD
95-50-1	1,2-Dichlorobenzene	1700	UD
108-60-1	bis(2-chloroisopropyl)ether	1700	UD
95-48-7	2-Methylphenol	1700	UD
67-72-1	Hexachloroethane	1700	UD
621-64-7	N-Nitroso-di-n-propylamine	1700	UD
106-44-5	4-Methylphenol	1700	UD
98-95-3	Nitrobenzene	1700	UD
78-59-1	Isophorone	1700	UD
88-75-5	2-Nitrophenol	1700	UD
105-67-9	2,4-Dimethylphenol	1700	UD
111-91-1	bis(2-Chloroethoxy)methane	1700	UD
120-83-2	2,4-Dichlorophenol	1700	UD
120-82-1	1,2,4-Trichlorobenzene	1700	UD
91-20-3	Naphthalene	1700	UD
106-47-8	4-Chloroaniline	1700	UD
87-68-3	Hexachlorobutadiene	1700	UD
59-50-7	4-Chloro-3-methylphenol	1700	UD
91-57-6	2-Methylnaphthalene	1700	UD
77-47-4	Hexachlorocyclopentadiene	1700	UD
88-06-2	2,4,6-Trichlorophenol	1700	UD
95-95-4	2,4,5-Trichlorophenol	4300	UD
91-58-7	2-Chloronaphthalene	1700	UD
88-74-4	2-Nitroaniline	4300	UD
208-96-8	Acenaphthylene	1700	UD
131-11-3	Dimethylphthalate	1700	UD
606-20-2	2,6-Dinitrotoluene	1700	UD
83-32-9	Acenaphthene	1700	UD
99-09-2	3-Nitroaniline	4300	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V4-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #007

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG119.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 5 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4300	UD
132-64-9	Dibenzofuran	1700	UD
121-14-2	2,4-Dinitrotoluene	1700	UD
100-02-7	4-Nitrophenol	4300	UD
86-73-7	Fluorene	1700	UD
7005-72-3	4-Chlorophenyl-phenylether	1700	UD
84-66-2	Diethylphthalate	1700	UD
100-01-6	4-Nitroaniline	4300	UD
534-52-1	4,6-Dinitro-2-methylphenol	4300	UD
86-30-6	n-Nitrosodiphenylamine	1700	UD
101-55-3	4-Bromophenyl-phenylether	1700	UD
118-74-1	Hexachlorobenzene	1700	UD
87-86-5	Pentachlorophenol	4300	UD
85-01-8	Phenanthrene	1700	UD
120-12-7	Anthracene	1700	UD
84-74-2	Di-n-butylphthalate	1700	UD
86-74-8	Carbazole	1700	UD
206-44-0	Fluoranthene	1700	UD
129-00-0	Pyrene	1700	UD
85-68-7	Butylbenzylphthalate	1700	UD
91-94-1	3,3'-Dichlorobenzidine	1700	UD
56-55-3	Benzo[a]anthracene	1700	UD
218-01-9	Chrysene	1700	UD
117-81-7	bis(2-Ethylhexyl)phthalate	320	JD
117-84-0	Di-n-octylphthalate	1700	UD
205-99-2	Benzo[b]fluoranthene	1700	UD
207-08-9	Benzo[k]fluoranthene	1700	UD
50-32-8	Benzo[a]pyrene	1700	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1700	UD
53-70-3	Dibenz[a,h]anthracene	1700	UD
191-24-2	Benzo[g,h,i]perylene	1700	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V5-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #008

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG120.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1800	UD
108-95-2	Phenol	1800	UD
95-57-8	2-Chlorophenol	1800	UD
541-73-1	1,3-Dichlorobenzene	1800	UD
106-46-7	1,4-Dichlorobenzene	1800	UD
95-50-1	1,2-Dichlorobenzene	1800	UD
108-60-1	bis(2-chloroisopropyl)ether	1800	UD
95-48-7	2-Methylphenol	1800	UD
67-72-1	Hexachloroethane	1800	UD
621-64-7	N-Nitroso-di-n-propylamine	1800	UD
106-44-5	4-Methylphenol	1800	UD
98-95-3	Nitrobenzene	1800	UD
78-59-1	Isophorone	1800	UD
88-75-5	2-Nitrophenol	1800	UD
105-67-9	2,4-Dimethylphenol	1800	UD
111-91-1	bis(2-Chloroethoxy)methane	1800	UD
120-83-2	2,4-Dichlorophenol	1800	UD
120-82-1	1,2,4-Trichlorobenzene	1800	UD
91-20-3	Naphthalene	1800	UD
106-47-8	4-Chloroaniline	1800	UD
87-68-3	Hexachlorobutadiene	1800	UD
59-50-7	4-Chloro-3-methylphenol	1800	UD
91-57-6	2-Methylnaphthalene	1800	UD
77-47-4	Hexachlorocyclopentadiene	1800	UD
88-06-2	2,4,6-Trichlorophenol	1800	UD
95-95-4	2,4,5-Trichlorophenol	4600	UD
91-58-7	2-Chloronaphthalene	1800	UD
88-74-4	2-Nitroaniline	4600	UD
208-96-8	Acenaphthylene	1800	UD
131-11-3	Dimethylphthalate	1800	UD
606-20-2	2,6-Dinitrotoluene	1800	UD
83-32-9	Acenaphthene	1800	UD
99-09-2	3-Nitroaniline	4600	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V5-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #008

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG120.0

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4600	UD
132-64-9	Dibenzofuran	1800	UD
121-14-2	2,4-Dinitrotoluene	1800	UD
100-02-7	4-Nitrophenol	4600	UD
86-73-7	Fluorene	1800	UD
7005-72-3	4-Chlorophenyl-phenylether	1800	UD
84-66-2	Diethylphthalate	1800	UD
100-01-6	4-Nitroaniline	4600	UD
534-52-1	4,6-Dinitro-2-methylphenol	4600	UD
86-30-6	n-Nitrosodiphenylamine	1800	UD
101-55-3	4-Bromophenyl-phenylether	1800	UD
118-74-1	Hexachlorobenzene	1800	UD
87-86-5	Pentachlorophenol	4600	UD
85-01-8	Phenanthrene	1800	UD
120-12-7	Anthracene	1800	UD
84-74-2	Di-n-butylphthalate	1800	UD
86-74-8	Carbazole	1800	UD
206-44-0	Fluoranthene	1800	UD
129-00-0	Pyrene	1800	UD
85-68-7	Butylbenzylphthalate	1800	UD
91-94-1	3,3'-Dichlorobenzidine	1800	UD
56-55-3	Benzo[a]anthracene	1800	UD
218-01-9	Chrysene	1800	UD
117-81-7	bis(2-Ethylhexyl)phthalate	320	JD
117-84-0	Di-n-octylphthalate	1800	UD
205-99-2	Benzo[b]fluoranthene	1800	UD
207-08-9	Benzo[k]fluoranthene	1800	UD
50-32-8	Benzo[a]pyrene	1800	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1800	UD
53-70-3	Dibenz[a,h]anthracene	1800	UD
191-24-2	Benzo[g,h,i]perylene	1800	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V6-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG117.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 8 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1800	UD
108-95-2	Phenol	1800	UD
95-57-8	2-Chlorophenol	1800	UD
541-73-1	1,3-Dichlorobenzene	1800	UD
106-46-7	1,4-Dichlorobenzene	1800	UD
95-50-1	1,2-Dichlorobenzene	1800	UD
108-60-1	bis(2-chloroisopropyl)ether	1800	UD
95-48-7	2-Methylphenol	1800	UD
67-72-1	Hexachloroethane	1800	UD
621-64-7	N-Nitroso-di-n-propylamine	1800	UD
106-44-5	4-Methylphenol	1800	UD
98-95-3	Nitrobenzene	1800	UD
78-59-1	Isophorone	1800	UD
88-75-5	2-Nitrophenol	1800	UD
105-67-9	2,4-Dimethylphenol	1800	UD
111-91-1	bis(2-Chloroethoxy)methane	1800	UD
120-83-2	2,4-Dichlorophenol	1800	UD
120-82-1	1,2,4-Trichlorobenzene	1800	UD
91-20-3	Naphthalene	1800	UD
106-47-8	4-Chloroaniline	1800	UD
87-68-3	Hexachlorobutadiene	1800	UD
59-50-7	4-Chloro-3-methylphenol	1800	UD
91-57-6	2-Methylnaphthalene	1800	UD
77-47-4	Hexachlorocyclopentadiene	1800	UD
88-06-2	2,4,6-Trichlorophenol	1800	UD
95-95-4	2,4,5-Trichlorophenol	4500	UD
91-58-7	2-Chloronaphthalene	1800	UD
88-74-4	2-Nitroaniline	4500	UD
208-96-8	Acenaphthylene	1800	UD
131-11-3	Dimethylphthalate	1800	UD
606-20-2	2,6-Dinitrotoluene	1800	UD
83-32-9	Acenaphthene	1800	UD
99-09-2	3-Nitroaniline	4500	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V6-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG117.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 8 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4500	UD
132-64-9	Dibenzofuran	1800	UD
121-14-2	2,4-Dinitrotoluene	1800	UD
100-02-7	4-Nitrophenol	4500	UD
86-73-7	Fluorene	1800	UD
7005-72-3	4-Chlorophenyl-phenylether	1800	UD
84-66-2	Diethylphthalate	1800	UD
100-01-6	4-Nitroaniline	4500	UD
534-52-1	4,6-Dinitro-2-methylphenol	4500	UD
86-30-6	n-Nitrosodiphenylamine	1800	UD
101-55-3	4-Bromophenyl-phenylether	1800	UD
118-74-1	Hexachlorobenzene	1800	UD
87-86-5	Pentachlorophenol	4500	UD
85-01-8	Phenanthrene	1800	UD
120-12-7	Anthracene	1800	UD
84-74-2	Di-n-butylphthalate	1800	UD
86-74-8	Carbazole	1800	UD
206-44-0	Fluoranthene	1800	UD
129-00-0	Pyrene	1800	UD
85-68-7	Butylbenzylphthalate	1800	UD
91-94-1	3,3'-Dichlorobenzidine	1800	UD
56-55-3	Benzo[a]anthracene	1800	UD
218-01-9	Chrysene	1800	UD
117-81-7	bis(2-Ethylhexyl)phthalate	380	JD
117-84-0	Di-n-octylphthalate	1800	UD
205-99-2	Benzo[b]fluoranthene	1800	UD
207-08-9	Benzo[k]fluoranthene	1800	UD
50-32-8	Benzo[a]pyrene	1800	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1800	UD
53-70-3	Dibenz[a,h]anthracene	1800	UD
191-24-2	Benzo[g,h,i]perylene	1800	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V7-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #006

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG118.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 5 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
108-95-2	Phenol	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	bis(2-chloroisopropyl)ether	350	U
95-48-7	2-Methylphenol	350	U
67-72-1	Hexachloroethane	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
106-44-5	4-Methylphenol	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	870	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	870	U
208-96-8	Acenaphthylene	350	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
83-32-9	Acenaphthene	350	U
99-09-2	3-Nitroaniline	870	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V7-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #006

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG118.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 5 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	870	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
100-02-7	4-Nitrophenol	870	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
84-66-2	Diethylphthalate	350	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
86-74-8	Carbazole	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo[a]anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	350	U
207-08-9	Benzo[k]fluoranthene	350	U
50-32-8	Benzo[a]pyrene	350	U
193-39-5	Indeno[1,2,3-cd]pyrene	350	U
53-70-3	Dibenz[a,h]anthracene	350	U
191-24-2	Benzo[g,h,i]perylene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V8-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #013

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG127.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	360	U
108-95-2	Phenol	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
108-60-1	bis(2-chloroisopropyl)ether	360	U
95-48-7	2-Methylphenol	360	U
67-72-1	Hexachloroethane	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
106-44-5	4-Methylphenol	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	900	U
208-96-8	Acenaphthylene	360	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
83-32-9	Acenaphthene	360	U
99-09-2	3-Nitroaniline	900	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V8-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #013

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG127.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	900	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
100-02-7	4-Nitrophenol	900	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
84-66-2	Diethylphthalate	360	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	n-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-butylphthalate	42	J
86-74-8	Carbazole	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo[a]anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	51	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo[b]fluoranthene	360	U
207-08-9	Benzo[k]fluoranthene	360	U
50-32-8	Benzo[a]pyrene	360	U
193-39-5	Indeno[1,2,3-cd]pyrene	360	U
53-70-3	Dibenz[a,h]anthracene	360	U
191-24-2	Benzo[g,h,i]perylene	360	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V9-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #032

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG152.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
108-95-2	Phenol	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	bis(2-chloroisopropyl)ether	350	U
95-48-7	2-Methylphenol	350	U
67-72-1	Hexachloroethane	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
106-44-5	4-Methylphenol	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	870	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	870	U
208-96-8	Acenaphthylene	350	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
83-32-9	Acenaphthene	350	U
99-09-2	3-Nitroaniline	870	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V9-1:0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #032

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG152.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	870	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
100-02-7	4-Nitrophenol	870	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
84-66-2	Diethylphthalate	350	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
86-74-8	Carbazole	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo[a]anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	36	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	350	U
207-08-9	Benzo[k]fluoranthene	350	U
50-32-8	Benzo[a]pyrene	350	U
193-39-5	Indeno[1,2,3-cd]pyrene	350	U
53-70-3	Dibenz[a,h]anthracene	350	U
191-24-2	Benzo[g,h,i]perylene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V10-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #009

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG121.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 7 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1800	UD
108-95-2	Phenol	1800	UD
95-57-8	2-Chlorophenol	1800	UD
541-73-1	1,3-Dichlorobenzene	1800	UD
106-46-7	1,4-Dichlorobenzene	1800	UD
95-50-1	1,2-Dichlorobenzene	1800	UD
108-60-1	bis(2-chloroisopropyl)ether	1800	UD
95-48-7	2-Methylphenol	1800	UD
67-72-1	Hexachloroethane	1800	UD
621-64-7	N-Nitroso-di-n-propylamine	1800	UD
106-44-5	4-Methylphenol	1800	UD
98-95-3	Nitrobenzene	1800	UD
78-59-1	Isophorone	1800	UD
88-75-5	2-Nitrophenol	1800	UD
105-67-9	2,4-Dimethylphenol	1800	UD
111-91-1	bis(2-Chloroethoxy)methane	1800	UD
120-83-2	2,4-Dichlorophenol	1800	UD
120-82-1	1,2,4-Trichlorobenzene	1800	UD
91-20-3	Naphthalene	680	JD
106-47-8	4-Chloroaniline	1800	UD
87-68-3	Hexachlorobutadiene	1800	UD
59-50-7	4-Chloro-3-methylphenol	1800	UD
91-57-6	2-Methylnaphthalene	4900	D
77-47-4	Hexachlorocyclopentadiene	1800	UD
88-06-2	2,4,6-Trichlorophenol	1800	UD
95-95-4	2,4,5-Trichlorophenol	4400	UD
91-58-7	2-Chloronaphthalene	1800	UD
88-74-4	2-Nitroaniline	4400	UD
208-96-8	Acenaphthylene	1800	UD
131-11-3	Dimethylphthalate	1800	UD
606-20-2	2,6-Dinitrotoluene	1800	UD
83-32-9	Acenaphthene	1800	UD
99-09-2	3-Nitroaniline	4400	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V10-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #009

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG121.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 7 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4400	UD
132-64-9	Dibenzofuran	1800	UD
121-14-2	2,4-Dinitrotoluene	1800	UD
100-02-7	4-Nitrophenol	4400	UD
86-73-7	Fluorene	1400	JD
7005-72-3	4-Chlorophenyl-phenylether	1800	UD
84-66-2	Diethylphthalate	1800	UD
100-01-6	4-Nitroaniline	4400	UD
534-52-1	4,6-Dinitro-2-methylphenol	4400	UD
86-30-6	n-Nitrosodiphenylamine	1800	UD
101-55-3	4-Bromophenyl-phenylether	1800	UD
118-74-1	Hexachlorobenzene	1800	UD
87-86-5	Pentachlorophenol	4400	UD
85-01-8	Phenanthrene	3400	D
120-12-7	Anthracene	530	JD
84-74-2	Di-n-butylphthalate	1800	UD
86-74-8	Carbazole	1800	UD
206-44-0	Fluoranthene	1800	UD
129-00-0	Pyrene	770	JD
85-68-7	Butylbenzylphthalate	1800	UD
91-94-1	3,3'-Dichlorobenzidine	1800	UD
56-55-3	Benzo[a]anthracene	410	JD
218-01-9	Chrysene	860	JD
117-81-7	bis(2-Ethylhexyl)phthalate	210	JD
117-84-0	Di-n-octylphthalate	1800	UD
205-99-2	Benzo[b]fluoranthene	1800	UD
207-08-9	Benzo[k]fluoranthene	1800	UD
50-32-8	Benzo[a]pyrene	1800	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1800	UD
53-70-3	Dibenz[a,h]anthracene	1800	UD
191-24-2	Benzo[g,h,i]perylene	1800	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V11-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #010

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG122.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 5 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1700	UD
108-95-2	Phenol	1700	UD
95-57-8	2-Chlorophenol	1700	UD
541-73-1	1,3-Dichlorobenzene	1700	UD
106-46-7	1,4-Dichlorobenzene	1700	UD
95-50-1	1,2-Dichlorobenzene	1700	UD
108-60-1	bis(2-chloroisopropyl)ether	1700	UD
95-48-7	2-Methylphenol	1700	UD
67-72-1	Hexachloroethane	1700	UD
621-64-7	N-Nitroso-di-n-propylamine	1700	UD
106-44-5	4-Methylphenol	1700	UD
98-95-3	Nitrobenzene	1700	UD
78-59-1	Isophorone	1700	UD
88-75-5	2-Nitrophenol	1700	UD
105-67-9	2,4-Dimethylphenol	1700	UD
111-91-1	bis(2-Chloroethoxy)methane	1700	UD
120-83-2	2,4-Dichlorophenol	1700	UD
120-82-1	1,2,4-Trichlorobenzene	1700	UD
91-20-3	Naphthalene	1700	UD
106-47-8	4-Chloroaniline	1700	UD
87-68-3	Hexachlorobutadiene	1700	UD
59-50-7	4-Chloro-3-methylphenol	1700	UD
91-57-6	2-Methylnaphthalene	1700	UD
77-47-4	Hexachlorocyclopentadiene	1700	UD
88-06-2	2,4,6-Trichlorophenol	1700	UD
95-95-4	2,4,5-Trichlorophenol	4400	UD
91-58-7	2-Chloronaphthalene	1700	UD
88-74-4	2-Nitroaniline	4400	UD
208-96-8	Acenaphthylene	1700	UD
131-11-3	Dimethylphthalate	1700	UD
606-20-2	2,6-Dinitrotoluene	1700	UD
83-32-9	Acenaphthene	1700	UD
99-09-2	3-Nitroaniline	4400	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V11-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #010

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG122.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 5 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4400	UD
132-64-9	Dibenzofuran	1700	UD
121-14-2	2,4-Dinitrotoluene	1700	UD
100-02-7	4-Nitrophenol	4400	UD
86-73-7	Fluorene	1700	UD
7005-72-3	4-Chlorophenyl-phenylether	1700	UD
84-66-2	Diethylphthalate	1700	UD
100-01-6	4-Nitroaniline	4400	UD
534-52-1	4,6-Dinitro-2-methylphenol	4400	UD
86-30-6	n-Nitrosodiphenylamine	1700	UD
101-55-3	4-Bromophenyl-phenylether	1700	UD
118-74-1	Hexachlorobenzene	1700	UD
87-86-5	Pentachlorophenol	4400	UD
85-01-8	Phenanthrene	1700	UD
120-12-7	Anthracene	1700	UD
84-74-2	Di-n-butylphthalate	1700	UD
86-74-8	Carbazole	1700	UD
206-44-0	Fluoranthene	1700	UD
129-00-0	Pyrene	1700	UD
85-68-7	Butylbenzylphthalate	1700	UD
91-94-1	3,3'-Dichlorobenzidine	1700	UD
56-55-3	Benzo[a]anthracene	1700	UD
218-01-9	Chrysene	1700	UD
117-81-7	bis(2-Ethylhexyl)phthalate	1700	UD
117-84-0	Di-n-octylphthalate	1700	UD
205-99-2	Benzo[b]fluoranthene	1700	UD
207-08-9	Benzo[k]fluoranthene	1700	UD
50-32-8	Benzo[a]pyrene	1700	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1700	UD
53-70-3	Dibenz[a,h]anthracene	1700	UD
191-24-2	Benzo[g,h,i]perylene	1700	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V12-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #014

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG128.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
108-95-2	Phenol	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	bis(2-chloroisopropyl)ether	350	U
95-48-7	2-Methylphenol	350	U
67-72-1	Hexachloroethane	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
106-44-5	4-Methylphenol	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	890	U
208-96-8	Acenaphthylene	350	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
83-32-9	Acenaphthene	350	U
99-09-2	3-Nitroaniline	890	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V12-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #014

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG128.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	890	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
100-02-7	4-Nitrophenol	890	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
84-66-2	Diethylphthalate	350	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	47	J
86-74-8	Carbazole	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo[a]anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	94	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	350	U
207-08-9	Benzo[k]fluoranthene	350	U
50-32-8	Benzo[a]pyrene	350	U
193-39-5	Indeno[1,2,3-cd]pyrene	350	U
53-70-3	Dibenz[a,h]anthracene	350	U
191-24-2	Benzo[g,h,i]perylene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V13-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #031

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG151.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 8 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1800	UD
108-95-2	Phenol	1800	UD
95-57-8	2-Chlorophenol	1800	UD
541-73-1	1,3-Dichlorobenzene	1800	UD
106-46-7	1,4-Dichlorobenzene	1800	UD
95-50-1	1,2-Dichlorobenzene	1800	UD
108-60-1	bis(2-chloroisopropyl)ether	1800	UD
95-48-7	2-Methylphenol	1800	UD
67-72-1	Hexachloroethene	1800	UD
621-64-7	N-Nitroso-di-n-propylamine	1800	UD
106-44-5	4-Methylphenol	1800	UD
98-95-3	Nitrobenzene	1800	UD
78-59-1	Isophorone	1800	UD
88-75-5	2-Nitrophenol	1800	UD
105-67-9	2,4-Dimethylphenol	1800	UD
111-91-1	bis(2-Chloroethoxy)methane	1800	UD
120-83-2	2,4-Dichlorophenol	1800	UD
120-82-1	1,2,4-Trichlorobenzene	1800	UD
91-20-3	Naphthalene	1800	UD
106-47-8	4-Chloroaniline	1800	UD
87-68-3	Hexachlorobutadiene	1800	UD
59-50-7	4-Chloro-3-methylphenol	1800	UD
91-57-6	2-Methylnaphthalene	1800	UD
77-47-4	Hexachlorocyclopentadiene	1800	UD
88-06-2	2,4,6-Trichlorophenol	1800	UD
95-95-4	2,4,5-Trichlorophenol	4500	UD
91-58-7	2-Chloronaphthalene	1800	UD
88-74-4	2-Nitroaniline	4500	UD
208-96-8	Acenaphthylene	1800	UD
131-11-3	Dimethylphthalate	1800	UD
606-20-2	2,6-Dinitrotoluene	1800	UD
83-32-9	Acenaphthene	1800	UD
99-09-2	3-Nitroaniline	4500	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V13-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #031

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG151.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 8 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4500	UD
132-64-9	Dibenzofuran	1800	UD
121-14-2	2,4-Dinitrotoluene	1800	UD
100-02-7	4-Nitrophenol	4500	UD
86-73-7	Fluorene	1800	UD
7005-72-3	4-Chlorophenyl-phenylether	1800	UD
84-66-2	Diethylphthalate	1800	UD
100-01-6	4-Nitroaniline	4500	UD
534-52-1	4,6-Dinitro-2-methylphenol	4500	UD
86-30-6	n-Nitrosodiphenylamine	1800	UD
101-55-3	4-Bromophenyl-phenylether	1800	UD
118-74-1	Hexachlorobenzene	1800	UD
87-86-5	Pentachlorophenol	4500	UD
85-01-8	Phenanthrene	1800	UD
120-12-7	Anthracene	1800	UD
84-74-2	Di-n-butylphthalate	1800	UD
86-74-8	Carbazole	1800	UD
206-44-0	Fluoranthene	1800	UD
129-00-0	Pyrene	1800	UD
85-68-7	Butylbenzylphthalate	1800	UD
91-94-1	3,3'-Dichlorobenzidine	1800	UD
56-55-3	Benzo[a]anthracene	1800	UD
218-01-9	Chrysene	1800	UD
117-81-7	bis(2-Ethylhexyl)phthalate	1800	UD
117-84-0	Di-n-octylphthalate	1800	UD
205-99-2	Benzo[b]fluoranthene	1800	UD
207-08-9	Benzo[k]fluoranthene	1800	UD
50-32-8	Benzo[a]pyrene	1800	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1800	UD
53-70-3	Dibenz[a,h]anthracene	1800	UD
191-24-2	Benzo[g,h,i]perylene	1800	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B1-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #002

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG112.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
108-95-2	Phenol	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	bis(2-chloroisopropyl)ether	350	U
95-48-7	2-Methylphenol	350	U
67-72-1	Hexachloroethane	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
106-44-5	4-Methylphenol	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	880	U
208-96-8	Acenaphthylene	350	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
83-32-9	Acenaphthene	350	U
99-09-2	3-Nitroaniline	880	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B1-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #002

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG112.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	880	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
100-02-7	4-Nitrophenol	880	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
84-66-2	Diethylphthalate	350	U
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
86-74-8	Carbazole	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo[a]anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	750	
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	350	U
207-08-9	Benzo[k]fluoranthene	350	U
50-32-8	Benzo[a]pyrene	350	U
193-39-5	Indeno[1,2,3-cd]pyrene	350	U
53-70-3	Dibenz[a,h]anthracene	350	U
191-24-2	Benzo[g,h,i]perylene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B2-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #001

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG111.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 5 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
108-95-2	Phenol	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	bis(2-chloroisopropyl)ether	350	U
95-48-7	2-Methylphenol	350	U
67-72-1	Hexachloroethane	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
106-44-5	4-Methylphenol	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	870	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	870	U
208-96-8	Acenaphthylene	350	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
83-32-9	Acenaphthene	350	U
99-09-2	3-Nitroaniline	870	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B2-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #001

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG111.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 5 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	870	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
100-02-7	4-Nitrophenol	870	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
84-66-2	Diethylphthalate	350	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
86-74-8	Carbazole	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo[a]anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	350	U
207-08-9	Benzo[k]fluoranthene	350	U
50-32-8	Benzo[a]pyrene	350	U
193-39-5	Indeno[1,2,3-cd]pyrene	350	U
53-70-3	Dibenz[a,h]anthracene	350	U
191-24-2	Benzo[g,h,i]perylene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B3-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #016

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG130.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
108-95-2	Phenol	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	bis(2-chloroisopropyl)ether	350	U
95-48-7	2-Methylphenol	350	U
67-72-1	Hexachloroethane	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
106-44-5	4-Methylphenol	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	880	U
208-96-8	Acenaphthylene	350	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
83-32-9	Acenaphthene	350	U
99-09-2	3-Nitroaniline	880	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B3-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #016

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG130.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	880	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
100-02-7	4-Nitrophenol	880	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
84-66-2	Diethylphthalate	350	U
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
86-74-8	Carbazole	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo[a]anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	350	U
207-08-9	Benzo[k]fluoranthene	350	U
50-32-8	Benzo[a]pyrene	350	U
193-39-5	Indeno[1,2,3-cd]pyrene	350	U
53-70-3	Dibenz[a,h]anthracene	350	U
191-24-2	Benzo[g,h,i]perylene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #015

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG129.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	360	U
108-95-2	Phenol	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
108-60-1	bis(2-chloroisopropyl)ether	360	U
95-48-7	2-Methylphenol	360	U
67-72-1	Hexachloroethane	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
106-44-5	4-Methylphenol	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	890	U
208-96-8	Acenaphthylene	360	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
83-32-9	Acenaphthene	360	U
99-09-2	3-Nitroaniline	890	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #015

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG129.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	890	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
100-02-7	4-Nitrophenol	890	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
84-66-2	Diethylphthalate	360	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	U
86-30-6	n-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-butylphthalate	41	J
86-74-8	Carbazole	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo[a]anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	190	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo[b]fluoranthene	360	U
207-08-9	Benzo[k]fluoranthene	360	U
50-32-8	Benzo[a]pyrene	360	U
193-39-5	Indeno[1,2,3-cd]pyrene	360	U
53-70-3	Dibenz[a,h]anthracene	360	U
191-24-2	Benzo[g,h,i]perylene	360	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T1-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #027

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG147.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	940	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	U
99-09-2	3-Nitroaniline	940	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T1-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #027

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG147.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	940	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
100-02-7	4-Nitrophenol	940	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	55	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno[1,2,3-cd]pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T2-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #028

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG148.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	54	J
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	120	J
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	260	J
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	U
99-09-2	3-Nitroaniline	950	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T2-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #028

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG148.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
100-02-7	4-Nitrophenol	950	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	44	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	81	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno[1,2,3-cd]pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T3-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #029

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG149.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1900	UD
108-95-2	Phenol	1900	UD
95-57-8	2-Chlorophenol	1900	UD
541-73-1	1,3-Dichlorobenzene	1900	UD
106-46-7	1,4-Dichlorobenzene	1900	UD
95-50-1	1,2-Dichlorobenzene	1900	UD
108-60-1	bis(2-chloroisopropyl)ether	1900	UD
95-48-7	2-Methylphenol	1900	UD
67-72-1	Hexachloroethane	1900	UD
621-64-7	N-Nitroso-di-n-propylamine	1900	UD
106-44-5	4-Methylphenol	1900	UD
98-95-3	Nitrobenzene	1900	UD
78-59-1	Isophorone	1900	UD
88-75-5	2-Nitrophenol	1900	UD
105-67-9	2,4-Dimethylphenol	1900	UD
111-91-1	bis(2-Chloroethoxy)methane	1900	UD
120-83-2	2,4-Dichlorophenol	1900	UD
120-82-1	1,2,4-Trichlorobenzene	1900	UD
91-20-3	Naphthalene	1900	UD
106-47-8	4-Chloroaniline	1900	UD
87-68-3	Hexachlorobutadiene	1900	UD
59-50-7	4-Chloro-3-methylphenol	1900	UD
91-57-6	2-Methylnaphthalene	1900	UD
77-47-4	Hexachlorocyclopentadiene	1900	UD
88-06-2	2,4,6-Trichlorophenol	1900	UD
95-95-4	2,4,5-Trichlorophenol	4700	UD
91-58-7	2-Chloronaphthalene	1900	UD
88-74-4	2-Nitroaniline	4700	UD
208-96-8	Acenaphthylene	1900	UD
131-11-3	Dimethylphthalate	1900	UD
606-20-2	2,6-Dinitrotoluene	1900	UD
83-32-9	Acenaphthene	1900	UD
99-09-2	3-Nitroaniline	4700	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T3-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #029

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG149.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4700	UD
132-64-9	Dibenzofuran	1900	UD
121-14-2	2,4-Dinitrotoluene	1900	UD
100-02-7	4-Nitrophenol	4700	UD
86-73-7	Fluorene	1900	UD
7005-72-3	4-Chlorophenyl-phenylether	1900	UD
84-66-2	Diethylphthalate	1900	UD
100-01-6	4-Nitroaniline	4700	UD
534-52-1	4,6-Dinitro-2-methylphenol	4700	UD
86-30-6	n-Nitrosodiphenylamine	1900	UD
101-55-3	4-Bromophenyl-phenylether	1900	UD
118-74-1	Hexachlorobenzene	1900	UD
87-86-5	Pentachlorophenol	4700	UD
85-01-8	Phenanthrene	1900	UD
120-12-7	Anthracene	1900	UD
84-74-2	Di-n-butylphthalate	1900	UD
86-74-8	Carbazole	1900	UD
206-44-0	Fluoranthene	1900	UD
129-00-0	Pyrene	1900	UD
85-68-7	Butylbenzylphthalate	1900	UD
91-94-1	3,3'-Dichlorobenzidine	1900	UD
56-55-3	Benzo[a]anthracene	1900	UD
218-01-9	Chrysene	1900	UD
117-81-7	bis(2-Ethylhexyl)phthalate	1900	UD
117-84-0	Di-n-octylphthalate	1900	UD
205-99-2	Benzo[b]fluoranthene	1900	UD
207-08-9	Benzo[k]fluoranthene	1900	UD
50-32-8	Benzo[a]pyrene	1900	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1900	UD
53-70-3	Dibenz[a,h]anthracene	1900	UD
191-24-2	Benzo[g,h,i]perylene	1900	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T4-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #030

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG150.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 7 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1800	UD
108-95-2	Phenol	1800	UD
95-57-8	2-Chlorophenol	1800	UD
541-73-1	1,3-Dichlorobenzene	1800	UD
106-46-7	1,4-Dichlorobenzene	1800	UD
95-50-1	1,2-Dichlorobenzene	1800	UD
108-60-1	bis(2-chloroisopropyl)ether	1800	UD
95-48-7	2-Methylphenol	1800	UD
67-72-1	Hexachloroethane	1800	UD
621-64-7	N-Nitroso-di-n-propylamine	1800	UD
106-44-5	4-Methylphenol	1800	UD
98-95-3	Nitrobenzene	1800	UD
78-59-1	Isophorone	1800	UD
88-75-5	2-Nitrophenol	1800	UD
105-67-9	2,4-Dimethylphenol	1800	UD
111-91-1	bis(2-Chloroethoxy)methane	1800	UD
120-83-2	2,4-Dichlorophenol	1800	UD
120-82-1	1,2,4-Trichlorobenzene	1800	UD
91-20-3	Naphthalene	1800	UD
106-47-8	4-Chloroaniline	1800	UD
87-68-3	Hexachlorobutadiene	1800	UD
59-50-7	4-Chloro-3-methylphenol	1800	UD
91-57-6	2-Methylnaphthalene	1800	UD
77-47-4	Hexachlorocyclopentadiene	1800	UD
88-06-2	2,4,6-Trichlorophenol	1800	UD
95-95-4	2,4,5-Trichlorophenol	4500	UD
91-58-7	2-Chloronaphthalene	1800	UD
88-74-4	2-Nitroaniline	4500	UD
208-96-8	Acenaphthylene	1800	UD
131-11-3	Dimethylphthalate	1800	UD
606-20-2	2,6-Dinitrotoluene	1800	UD
83-32-9	Acenaphthene	1800	UD
99-09-2	3-Nitroaniline	4500	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T4-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #030

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG150.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 7 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4500	UD
132-64-9	Dibenzofuran	1800	UD
121-14-2	2,4-Dinitrotoluene	1800	UD
100-02-7	4-Nitrophenol	4500	UD
86-73-7	Fluorene	1800	UD
7005-72-3	4-Chlorophenyl-phenylether	1800	UD
84-66-2	Diethylphthalate	1800	UD
100-01-6	4-Nitroaniline	4500	UD
534-52-1	4,6-Dinitro-2-methylphenol	4500	UD
86-30-6	n-Nitrosodiphenylamine	1800	UD
101-55-3	4-Bromophenyl-phenylether	1800	UD
118-74-1	Hexachlorobenzene	1800	UD
87-86-5	Pentachlorophenol	4500	UD
85-01-8	Phenanthrene	1800	UD
120-12-7	Anthracene	1800	UD
84-74-2	Di-n-butylphthalate	1800	UD
86-74-8	Carbazole	1800	UD
206-44-0	Fluoranthene	1800	UD
129-00-0	Pyrene	1800	UD
85-68-7	Butylbenzylphthalate	1800	UD
91-94-1	3,3'-Dichlorobenzidine	1800	UD
56-55-3	Benzo[a]anthracene	1800	UD
218-01-9	Chrysene	1800	UD
117-81-7	bis(2-Ethylhexyl)phthalate	1800	UD
117-84-0	Di-n-octylphthalate	1800	UD
205-99-2	Benzo[b]fluoranthene	1800	UD
207-08-9	Benzo[k]fluoranthene	1800	UD
50-32-8	Benzo[a]pyrene	1800	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1800	UD
53-70-3	Dibenz[a,h]anthracene	1800	UD
191-24-2	Benzo[g,h,i]perylene	1800	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T5-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #017

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG131.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 23 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	2100	UD
108-95-2	Phenol	2100	UD
95-57-8	2-Chlorophenol	2100	UD
541-73-1	1,3-Dichlorobenzene	2100	UD
106-46-7	1,4-Dichlorobenzene	2100	UD
95-50-1	1,2-Dichlorobenzene	2100	UD
108-60-1	bis(2-chloroisopropyl)ether	2100	UD
95-48-7	2-Methylphenol	2100	UD
67-72-1	Hexachloroethane	2100	UD
621-64-7	N-Nitroso-di-n-propylamine	2100	UD
106-44-5	4-Methylphenol	2100	UD
98-95-3	Nitrobenzene	2100	UD
78-59-1	Isophorone	2100	UD
88-75-5	2-Nitrophenol	2100	UD
105-67-9	2,4-Dimethylphenol	2100	UD
111-91-1	bis(2-Chloroethoxy)methane	2100	UD
120-83-2	2,4-Dichlorophenol	2100	UD
120-82-1	1,2,4-Trichlorobenzene	2100	UD
91-20-3	Naphthalene	2100	UD
106-47-8	4-Chloroaniline	2100	UD
87-68-3	Hexachlorobutadiene	2100	UD
59-50-7	4-Chloro-3-methylphenol	2100	UD
91-57-6	2-Methylnaphthalene	2100	UD
77-47-4	Hexachlorocyclopentadiene	2100	UD
88-06-2	2,4,6-Trichlorophenol	2100	UD
95-95-4	2,4,5-Trichlorophenol	5400	UD
91-58-7	2-Chloronaphthalene	2100	UD
88-74-4	2-Nitroaniline	5400	UD
208-96-8	Acenaphthylene	2100	UD
131-11-3	Dimethylphthalate	2100	UD
606-20-2	2,6-Dinitrotoluene	2100	UD
83-32-9	Acenaphthene	2100	UD
99-09-2	3-Nitroaniline	5400	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T5-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #017

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG131.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 23 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	5400	UD
132-64-9	Dibenzofuran	2100	UD
121-14-2	2,4-Dinitrotoluene	2100	UD
100-02-7	4-Nitrophenol	5400	UD
86-73-7	Fluorene	2100	UD
7005-72-3	4-Chlorophenyl-phenylether	2100	UD
84-66-2	Diethylphthalate	2100	UD
100-01-6	4-Nitroaniline	5400	UD
534-52-1	4,6-Dinitro-2-methylphenol	5400	UD
86-30-6	n-Nitrosodiphenylamine	2100	UD
101-55-3	4-Bromophenyl-phenylether	2100	UD
118-74-1	Hexachlorobenzene	2100	UD
87-86-5	Pentachlorophenol	5400	UD
85-01-8	Phenanthrene	2100	UD
120-12-7	Anthracene	2100	UD
84-74-2	Di-n-butylphthalate	2100	UD
86-74-8	Carbazole	2100	UD
206-44-0	Fluoranthene	2100	UD
129-00-0	Pyrene	2100	UD
85-68-7	Butylbenzylphthalate	2100	UD
91-94-1	3,3'-Dichlorobenzidine	2100	UD
56-55-3	Benzo[a]anthracene	2100	UD
218-01-9	Chrysene	2100	UD
117-81-7	bis(2-Ethylhexyl)phthalate	2500	D
117-84-0	Di-n-octylphthalate	2100	UD
205-99-2	Benzo[b]fluoranthene	2100	UD
207-08-9	Benzo[k]fluoranthene	2100	UD
50-32-8	Benzo[a]pyrene	2100	UD
193-39-5	Indeno[1,2,3-cd]pyrene	2100	UD
53-70-3	Dibenz[a,h]anthracene	2100	UD
191-24-2	Benzo[g,h,i]perylene	2100	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W1-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #011

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG125.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 4 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
108-95-2	Phenol	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	bis(2-chloroisopropyl)ether	350	U
95-48-7	2-Methylphenol	350	U
67-72-1	Hexachloroethane	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
106-44-5	4-Methylphenol	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	860	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	860	U
208-96-8	Acenaphthylene	350	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
83-32-9	Acenaphthene	350	U
99-09-2	3-Nitroaniline	860	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W3-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #033

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG153.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	910	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
100-02-7	4-Nitrophenol	910	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
84-66-2	Diethylphthalate	360	U
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	n-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-butylphthalate	360	U
86-74-8	Carbazole	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo[a]anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo[b]fluoranthene	360	U
207-08-9	Benzo[k]fluoranthene	360	U
50-32-8	Benzo[a]pyrene	360	U
193-39-5	Indeno[1,2,3-cd]pyrene	360	U
53-70-3	Dibenz[a,h]anthracene	360	U
191-24-2	Benzo[g,h,i]perylene	360	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W4-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #020

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG134.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1900	UD
108-95-2	Phenol	1900	UD
95-57-8	2-Chlorophenol	1900	UD
541-73-1	1,3-Dichlorobenzene	1900	UD
106-46-7	1,4-Dichlorobenzene	1900	UD
95-50-1	1,2-Dichlorobenzene	1900	UD
108-60-1	bis(2-chloroisopropyl)ether	1900	UD
95-48-7	2-Methylphenol	1900	UD
67-72-1	Hexachloroethane	1900	UD
621-64-7	N-Nitroso-di-n-propylamine	1900	UD
106-44-5	4-Methylphenol	1900	UD
98-95-3	Nitrobenzene	1900	UD
78-59-1	Isophorone	1900	UD
88-75-5	2-Nitrophenol	1900	UD
105-67-9	2,4-Dimethylphenol	1900	UD
111-91-1	bis(2-Chloroethoxy)methane	1900	UD
120-83-2	2,4-Dichlorophenol	1900	UD
120-82-1	1,2,4-Trichlorobenzene	1900	UD
91-20-3	Naphthalene	1900	UD
106-47-8	4-Chloroaniline	1900	UD
87-68-3	Hexachlorobutadiene	1900	UD
59-50-7	4-Chloro-3-methylphenol	1900	UD
91-57-6	2-Methylnaphthalene	1900	UD
77-47-4	Hexachlorocyclopentadiene	1900	UD
88-06-2	2,4,6-Trichlorophenol	1900	UD
95-95-4	2,4,5-Trichlorophenol	4900	UD
91-58-7	2-Chloronaphthalene	1900	UD
88-74-4	2-Nitroaniline	4900	UD
208-96-8	Acenaphthylene	1900	UD
131-11-3	Dimethylphthalate	1900	UD
606-20-2	2,6-Dinitrotoluene	1900	UD
83-32-9	Acenaphthene	1900	UD
99-09-2	3-Nitroaniline	4900	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W4-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #020

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG134.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4900	UD
132-64-9	Dibenzofuran	1900	UD
121-14-2	2,4-Dinitrotoluene	1900	UD
100-02-7	4-Nitrophenol	4900	UD
86-73-7	Fluorene	1900	UD
7005-72-3	4-Chlorophenyl-phenylether	1900	UD
84-66-2	Diethylphthalate	1900	UD
100-01-6	4-Nitroaniline	4900	UD
534-52-1	4,6-Dinitro-2-methylphenol	4900	UD
86-30-6	n-Nitrosodiphenylamine	1900	UD
101-55-3	4-Bromophenyl-phenylether	1900	UD
118-74-1	Hexachlorobenzene	1900	UD
87-86-5	Pentachlorophenol	4900	UD
85-01-8	Phenanthrene	1900	UD
120-12-7	Anthracene	1900	UD
84-74-2	Di-n-butylphthalate	1900	UD
86-74-8	Carbazole	1900	UD
206-44-0	Fluoranthene	1900	UD
129-00-0	Pyrene	1900	UD
85-68-7	Butylbenzylphthalate	1900	UD
91-94-1	3,3'-Dichlorobenzidine	1900	UD
56-55-3	Benzo[a]anthracene	1900	UD
218-01-9	Chrysene	1900	UD
117-81-7	bis(2-Ethylhexyl)phthalate	290	JD
117-84-0	Di-n-octylphthalate	1900	UD
205-99-2	Benzo[b]fluoranthene	1900	UD
207-08-9	Benzo[k]fluoranthene	1900	UD
50-32-8	Benzo[a]pyrene	1900	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1900	UD
53-70-3	Dibenz[a,h]anthracene	1900	UD
191-24-2	Benzo[g,h,i]perylene	1900	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W5-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #019

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG133.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	U
99-09-2	3-Nitroaniline	950	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W5-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #019

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG133.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
100-02-7	4-Nitrophenol	950	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	39	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W6-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #034

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG154.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 7 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	360	U
108-95-2	Phenol	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
108-60-1	bis(2-chloroisopropyl)ether	360	U
95-48-7	2-Methylphenol	360	U
67-72-1	Hexachloroethane	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
106-44-5	4-Methylphenol	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	890	U
208-96-8	Acenaphthylene	360	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
83-32-9	Acenaphthene	360	U
99-09-2	3-Nitroaniline	890	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W6-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #034

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG154.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 7 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	890	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
100-02-7	4-Nitrophenol	890	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
84-66-2	Diethylphthalate	360	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	U
86-30-6	n-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-butylphthalate	360	U
86-74-8	Carbazole	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo[a]anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo[b]fluoranthene	360	U
207-08-9	Benzo[k]fluoranthene	360	U
50-32-8	Benzo[a]pyrene	360	U
193-39-5	Indeno[1,2,3-cd]pyrene	360	U
53-70-3	Dibenz[a,h]anthracene	360	U
191-24-2	Benzo[g,h,i]perylene	360	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W7-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #025

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG145.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1800	UD
108-95-2	Phenol	1800	UD
95-57-8	2-Chlorophenol	1800	UD
541-73-1	1,3-Dichlorobenzene	1800	UD
106-46-7	1,4-Dichlorobenzene	1800	UD
95-50-1	1,2-Dichlorobenzene	1800	UD
108-60-1	bis(2-chloroisopropyl)ether	1800	UD
95-48-7	2-Methylphenol	1800	UD
67-72-1	Hexachloroethane	1800	UD
621-64-7	N-Nitroso-di-n-propylamine	1800	UD
106-44-5	4-Methylphenol	1800	UD
98-95-3	Nitrobenzene	1800	UD
78-59-1	Isophorone	1800	UD
88-75-5	2-Nitrophenol	1800	UD
105-67-9	2,4-Dimethylphenol	1800	UD
111-91-1	bis(2-Chloroethoxy)methane	1800	UD
120-83-2	2,4-Dichlorophenol	1800	UD
120-82-1	1,2,4-Trichlorobenzene	1800	UD
91-20-3	Naphthalene	1800	UD
106-47-8	4-Chloroaniline	1800	UD
87-68-3	Hexachlorobutadiene	1800	UD
59-50-7	4-Chloro-3-methylphenol	1800	UD
91-57-6	2-Methylnaphthalene	1800	UD
77-47-4	Hexachlorocyclopentadiene	1800	UD
88-06-2	2,4,6-Trichlorophenol	1800	UD
95-95-4	2,4,5-Trichlorophenol	4500	UD
91-58-7	2-Chloronaphthalene	1800	UD
88-74-4	2-Nitroaniline	4500	UD
208-96-8	Acenaphthylene	1800	UD
131-11-3	Dimethylphthalate	1800	UD
606-20-2	2,6-Dinitrotoluene	1800	UD
83-32-9	Acenaphthene	1800	UD
99-09-2	3-Nitroaniline	4500	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W7-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #025

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG145.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4500	UD
132-64-9	Dibenzofuran	1800	UD
121-14-2	2,4-Dinitrotoluene	1800	UD
100-02-7	4-Nitrophenol	4500	UD
86-73-7	Fluorene	1800	UD
7005-72-3	4-Chlorophenyl-phenylether	1800	UD
84-66-2	Diethylphthalate	1800	UD
100-01-6	4-Nitroaniline	4500	UD
534-52-1	4,6-Dinitro-2-methylphenol	4500	UD
86-30-6	n-Nitrosodiphenylamine	1800	UD
101-55-3	4-Bromophenyl-phenylether	1800	UD
118-74-1	Hexachlorobenzene	1800	UD
87-86-5	Pentachlorophenol	4500	UD
85-01-8	Phenanthrene	1800	UD
120-12-7	Anthracene	1800	UD
84-74-2	Di-n-butylphthalate	1800	UD
86-74-8	Carbazole	1800	UD
206-44-0	Fluoranthene	1800	UD
129-00-0	Pyrene	1800	UD
85-68-7	Butylbenzylphthalate	1800	UD
91-94-1	3,3'-Dichlorobenzidine	1800	UD
56-55-3	Benzo[a]anthracene	1800	UD
218-01-9	Chrysene	1800	UD
117-81-7	bis(2-Ethylhexyl)phthalate	1800	UD
117-84-0	Di-n-octylphthalate	1800	UD
205-99-2	Benzo[b]fluoranthene	1800	UD
207-08-9	Benzo[k]fluoranthene	1800	UD
50-32-8	Benzo[a]pyrene	1800	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1800	UD
53-70-3	Dibenz[a,h]anthracene	1800	UD
191-24-2	Benzo[g,h,i]perylene	1800	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W8-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #024

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG144.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	390	U
108-95-2	Phenol	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
108-60-1	bis(2-chloroisopropyl)ether	390	U
95-48-7	2-Methylphenol	390	U
67-72-1	Hexachloroethane	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
106-44-5	4-Methylphenol	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
208-96-8	Acenaphthylene	390	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
83-32-9	Acenaphthene	390	U
99-09-2	3-Nitroaniline	970	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W8-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #024

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG144.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	970	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
100-02-7	4-Nitrophenol	970	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
84-66-2	Diethylphthalate	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	n-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	390	U
86-74-8	Carbazole	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo[a]anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	80	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo[b]fluoranthene	390	U
207-08-9	Benzo[k]fluoranthene	390	U
50-32-8	Benzo[a]pyrene	390	U
193-39-5	Indeno[1,2,3-cd]pyrene	390	U
53-70-3	Dibenz[a,h]anthracene	390	U
191-24-2	Benzo[g,h,i]perylene	390	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W9-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #022

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG138.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	U
99-09-2	3-Nitroaniline	950	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W9-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #022

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG138.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
100-02-7	4-Nitrophenol	950	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	78	J
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno[1,2,3-cd]pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W10-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #023

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG143.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 14 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	U
99-09-2	3-Nitroaniline	960	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W10-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #023

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG143.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 14 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	960	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
100-02-7	4-Nitrophenol	960	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	42	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W11-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #012

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG126.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1900	UD
108-95-2	Phenol	1900	UD
95-57-8	2-Chlorophenol	1900	UD
541-73-1	1,3-Dichlorobenzene	1900	UD
106-46-7	1,4-Dichlorobenzene	1900	UD
95-50-1	1,2-Dichlorobenzene	1900	UD
108-60-1	bis(2-chloroisopropyl)ether	1900	UD
95-48-7	2-Methylphenol	1900	UD
67-72-1	Hexachloroethane	1900	UD
621-64-7	N-Nitroso-di-n-propylamine	1900	UD
106-44-5	4-Methylphenol	1900	UD
98-95-3	Nitrobenzene	1900	UD
78-59-1	Isophorone	1900	UD
88-75-5	2-Nitrophenol	1900	UD
105-67-9	2,4-Dimethylphenol	1900	UD
111-91-1	bis(2-Chloroethoxy)methane	1900	UD
120-83-2	2,4-Dichlorophenol	1900	UD
120-82-1	1,2,4-Trichlorobenzene	1900	UD
91-20-3	Naphthalene	1900	UD
106-47-8	4-Chloroaniline	1900	UD
87-68-3	Hexachlorobutadiene	1900	UD
59-50-7	4-Chloro-3-methylphenol	1900	UD
91-57-6	2-Methylnaphthalene	1900	UD
77-47-4	Hexachlorocyclopentadiene	1900	UD
88-06-2	2,4,6-Trichlorophenol	1900	UD
95-95-4	2,4,5-Trichlorophenol	4700	UD
91-58-7	2-Chloronaphthalene	1900	UD
88-74-4	2-Nitroaniline	4700	UD
208-96-8	Acenaphthylene	1900	UD
131-11-3	Dimethylphthalate	1900	UD
606-20-2	2,6-Dinitrotoluene	1900	UD
83-32-9	Acenaphthene	1900	UD
99-09-2	3-Nitroaniline	4700	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W11-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #012

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG126.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4700	UD
132-64-9	Dibenzofuran	1900	UD
121-14-2	2,4-Dinitrotoluene	1900	UD
100-02-7	4-Nitrophenol	4700	UD
86-73-7	Fluorene	1900	UD
7005-72-3	4-Chlorophenyl-phenylether	1900	UD
84-66-2	Diethylphthalate	1900	UD
100-01-6	4-Nitroaniline	4700	UD
534-52-1	4,6-Dinitro-2-methylphenol	4700	UD
86-30-6	n-Nitrosodiphenylamine	1900	UD
101-55-3	4-Bromophenyl-phenylether	1900	UD
118-74-1	Hexachlorobenzene	1900	UD
87-86-5	Pentachlorophenol	4700	UD
85-01-8	Phenanthrene	1900	UD
120-12-7	Anthracene	1900	UD
84-74-2	Di-n-butylphthalate	1900	UD
86-74-8	Carbazole	1900	UD
206-44-0	Fluoranthene	1900	UD
129-00-0	Pyrene	1900	UD
85-68-7	Butylbenzylphthalate	1900	UD
91-94-1	3,3'-Dichlorobenzidine	1900	UD
56-55-3	Benzo[a]anthracene	1900	UD
218-01-9	Chrysene	1900	UD
117-81-7	bis(2-Ethylhexyl)phthalate	1900	UD
117-84-0	Di-n-octylphthalate	1900	UD
205-99-2	Benzo[b]fluoranthene	1900	UD
207-08-9	Benzo[k]fluoranthene	1900	UD
50-32-8	Benzo[a]pyrene	1900	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1900	UD
53-70-3	Dibenz[a,h]anthracene	1900	UD
191-24-2	Benzo[g,h,i]perylene	1900	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W12-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #021

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG137.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 11 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1900	UD
108-95-2	Phenol	1900	UD
95-57-8	2-Chlorophenol	1900	UD
541-73-1	1,3-Dichlorobenzene	1900	UD
106-46-7	1,4-Dichlorobenzene	1900	UD
95-50-1	1,2-Dichlorobenzene	1900	UD
108-60-1	bis(2-chloroisopropyl)ether	1900	UD
95-48-7	2-Methylphenol	1900	UD
67-72-1	Hexachloroethane	1900	UD
621-64-7	N-Nitroso-di-n-propylamine	1900	UD
106-44-5	4-Methylphenol	1900	UD
98-95-3	Nitrobenzene	1900	UD
78-59-1	Isophorone	1900	UD
88-75-5	2-Nitrophenol	1900	UD
105-67-9	2,4-Dimethylphenol	1900	UD
111-91-1	bis(2-Chloroethoxy)methane	1900	UD
120-83-2	2,4-Dichlorophenol	1900	UD
120-82-1	1,2,4-Trichlorobenzene	1900	UD
91-20-3	Naphthalene	1900	UD
106-47-8	4-Chloroaniline	1900	UD
87-68-3	Hexachlorobutadiene	1900	UD
59-50-7	4-Chloro-3-methylphenol	1900	UD
91-57-6	2-Methylnaphthalene	1900	UD
77-47-4	Hexachlorocyclopentadiene	1900	UD
88-06-2	2,4,6-Trichlorophenol	1900	UD
95-95-4	2,4,5-Trichlorophenol	4700	UD
91-58-7	2-Chloronaphthalene	1900	UD
88-74-4	2-Nitroaniline	4700	UD
208-96-8	Acenaphthylene	1900	UD
131-11-3	Dimethylphthalate	1900	UD
606-20-2	2,6-Dinitrotoluene	1900	UD
83-32-9	Acenaphthene	1900	UD
99-09-2	3-Nitroaniline	4700	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W12-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #021

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG137.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 11 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4700	UD
132-64-9	Dibenzofuran	1900	UD
121-14-2	2,4-Dinitrotoluene	1900	UD
100-02-7	4-Nitrophenol	4700	UD
86-73-7	Fluorene	1900	UD
7005-72-3	4-Chlorophenyl-phenylether	1900	UD
84-66-2	Diethylphthalate	1900	UD
100-01-6	4-Nitroaniline	4700	UD
534-52-1	4,6-Dinitro-2-methylphenol	4700	UD
86-30-6	n-Nitrosodiphenylamine	1900	UD
101-55-3	4-Bromophenyl-phenylether	1900	UD
118-74-1	Hexachlorobenzene	1900	UD
87-86-5	Pentachlorophenol	4700	UD
85-01-8	Phenanthrene	1900	UD
120-12-7	Anthracene	1900	UD
84-74-2	Di-n-butylphthalate	1900	UD
86-74-8	Carbazole	1900	UD
206-44-0	Fluoranthene	1900	UD
129-00-0	Pyrene	1900	UD
85-68-7	Butylbenzylphthalate	1900	UD
91-94-1	3,3'-Dichlorobenzidine	1900	UD
56-55-3	Benzo[a]anthracene	1900	UD
218-01-9	Chrysene	1900	UD
117-81-7	bis(2-Ethylhexyl)phthalate	210	JD
117-84-0	Di-n-octylphthalate	1900	UD
205-99-2	Benzo[b]fluoranthene	1900	UD
207-08-9	Benzo[k]fluoranthene	1900	UD
50-32-8	Benzo[a]pyrene	1900	UD
193-39-5	Indeno(1,2,3-cd)pyrene	1900	UD
53-70-3	Dibenz[a,h]anthracene	1900	UD
191-24-2	Benzo[g,h,i]perylene	1900	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG391-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG109.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	330	U
108-95-2	Phenol	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
108-60-1	bis(2-chloroisopropyl)ether	330	U
95-48-7	2-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
106-44-5	4-Methylphenol	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
208-96-8	Acenaphthylene	330	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
83-32-9	Acenaphthene	330	U
99-09-2	3-Nitroaniline	830	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG391-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG109.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
100-02-7	4-Nitrophenol	830	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
84-66-2	Diethylphthalate	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	n-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
86-74-8	Carbazole	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo[a]anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo[b]fluoranthene	330	U
207-08-9	Benzo[k]fluoranthene	330	U
50-32-8	Benzo[a]pyrene	330	U
193-39-5	Indeno[1,2,3-cd]pyrene	330	U
53-70-3	Dibenz[a,h]anthracene	330	U
191-24-2	Benzo[g,h,i]perylene	330	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK02

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG393-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG135.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	330	U
108-95-2	Phenol	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
108-60-1	bis(2-chloroisopropyl)ether	330	U
95-48-7	2-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
106-44-5	4-Methylphenol	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
208-96-8	Acenaphthylene	330	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
83-32-9	Acenaphthene	330	U
99-09-2	3-Nitroaniline	830	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK02

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG393-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG135.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
100-02-7	4-Nitrophenol	830	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
84-66-2	Diethylphthalate	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	n-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
86-74-8	Carbazole	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo[a]anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo[b]fluoranthene	330	U
207-08-9	Benzo[k]fluoranthene	330	U
50-32-8	Benzo[a]pyrene	330	U
193-39-5	Indeno[1,2,3-cd]pyrene	330	U
53-70-3	Dibenz[a,h]anthracene	330	U
191-24-2	Benzo[g,h,i]perylene	330	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B1-1.0MS

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #002MS

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG113.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
108-95-2	Phenol	2500	
95-57-8	2-Chlorophenol	2400	
541-73-1	1,3-Dichlorobenzene	1500	
106-46-7	1,4-Dichlorobenzene	1600	
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	bis(2-chloroisopropyl)ether	350	U
95-48-7	2-Methylphenol	350	U
67-72-1	Hexachloroethane	350	U
621-64-7	N-Nitroso-di-n-propylamine	2100	
106-44-5	4-Methylphenol	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	2000	
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	2500	
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	880	U
208-96-8	Acenaphthylene	350	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
83-32-9	Acenaphthene	2300	
99-09-2	3-Nitroaniline	880	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W2-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #026

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG146.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	920	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	46	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W3-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #033

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG153.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	360	U
108-95-2	Phenol	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
108-60-1	bis(2-chloroisopropyl)ether	360	U
95-48-7	2-Methylphenol	360	U
67-72-1	Hexachloroethane	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
106-44-5	4-Methylphenol	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	910	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	910	U
208-96-8	Acenaphthylene	360	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
83-32-9	Acenaphthene	360	U
99-09-2	3-Nitroaniline	910	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W1-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #011

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG125.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 4 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	860	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
100-02-7	4-Nitrophenol	860	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
84-66-2	Diethylphthalate	350	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
86-74-8	Carbazole	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo[a]anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	350	U
207-08-9	Benzo[k]fluoranthene	350	U
50-32-8	Benzo[a]pyrene	350	U
193-39-5	Indeno[1,2,3-cd]pyrene	350	U
53-70-3	Dibenz[a,h]anthracene	350	U
191-24-2	Benzo[g,h,i]perylene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W2-1.0

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #026

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG146.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	920	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B1-1.0MS

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #002MS

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG113.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	880	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	1900	
100-02-7	4-Nitrophenol	2200	
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
84-66-2	Diethylphthalate	350	U
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	2200	
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
86-74-8	Carbazole	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	1900	
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo[a]anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	670	
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	350	U
207-08-9	Benzo[k]fluoranthene	350	U
50-32-8	Benzo[a]pyrene	350	U
193-39-5	Indeno[1,2,3-cd]pyrene	350	U
53-70-3	Dibenz[a,h]anthracene	350	U
191-24-2	Benzo[g,h,i]perylene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B1-1.0MSD

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #002MSD

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG114.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
108-95-2	Phenol	2900	
95-57-8	2-Chlorophenol	2900	
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	2300	
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	bis(2-chloroisopropyl)ether	350	U
95-48-7	2-Methylphenol	350	U
67-72-1	Hexachloroethane	350	U
621-64-7	N-Nitroso-di-n-propylamine	2600	
106-44-5	4-Methylphenol	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	2400	
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	2800	
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	880	U
208-96-8	Acenaphthylene	350	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
83-32-9	Acenaphthene	2700	
99-09-2	3-Nitroaniline	880	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B1-1.0MSD

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #002MSD

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG114.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	880	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	2200	
100-02-7	4-Nitrophenol	2400	
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
84-66-2	Diethylphthalate	350	U
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	2400	
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
86-74-8	Carbazole	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	2200	
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo[a]anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	680	
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	350	U
207-08-9	Benzo[k]fluoranthene	350	U
50-32-8	Benzo[a]pyrene	350	U
193-39-5	Indeno[1,2,3-cd]pyrene	350	U
53-70-3	Dibenz[a,h]anthracene	350	U
191-24-2	Benzo[g,h,i]perylene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W9-1.0MS

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #022MS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG139.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	2500	
95-57-8	2-Chlorophenol	2400	
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	1900	
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	2200	
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	1900	
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	3100	
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	2600	
99-09-2	3-Nitroaniline	950	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W9-1.0MS

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #022MS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG139.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	2000	
100-02-7	4-Nitrophenol	2200	
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	2000	
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	130	J
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	2600	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	71	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno[1,2,3-cd]pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W9-1.0MSD

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #022MSD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG140.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	3000	
95-57-8	2-Chlorophenol	2800	
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	2200	
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	2600	
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	2300	
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	3000	
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	2700	
99-09-2	3-Nitroaniline	950	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W9-1.0MSD

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #022MSD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG140.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	1900	
100-02-7	4-Nitrophenol	2100	
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	2100	
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	180	J
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	2400	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	100	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01MS

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG391-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG110.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	330	U
108-95-2	Phenol	2800	
95-57-8	2-Chlorophenol	2800	
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	2300	
95-50-1	1,2-Dichlorobenzene	330	U
108-60-1	bis(2-chloroisopropyl)ether	330	U
95-48-7	2-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
621-64-7	N-Nitroso-di-n-propylamine	2600	
106-44-5	4-Methylphenol	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	2300	
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	2700	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
208-96-8	Acenaphthylene	330	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
83-32-9	Acenaphthene	2500	
99-09-2	3-Nitroaniline	830	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01MS

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG391-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG110.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	2300	
100-02-7	4-Nitrophenol	3100	
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
84-66-2	Diethylphthalate	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	n-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	2700	
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
86-74-8	Carbazole	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	2700	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo[a]anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo[b]fluoranthene	330	U
207-08-9	Benzo[k]fluoranthene	330	U
50-32-8	Benzo[a]pyrene	330	U
193-39-5	Indeno[1,2,3-cd]pyrene	330	U
53-70-3	Dibenz[a,h]anthracene	330	U
191-24-2	Benzo[g,h,i]perylene	330	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK02MS

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG393-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG136.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	330	U
108-95-2	Phenol	2700	
95-57-8	2-Chlorophenol	2700	
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	2300	
95-50-1	1,2-Dichlorobenzene	330	U
108-60-1	bis(2-chloroisopropyl)ether	330	U
95-48-7	2-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
621-64-7	N-Nitroso-di-n-propylamine	2500	
106-44-5	4-Methylphenol	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	2400	
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	2700	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
208-96-8	Acenaphthylene	330	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
83-32-9	Acenaphthene	2400	
99-09-2	3-Nitroaniline	830	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK02MS

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG393-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG136.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/22/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	1900	
100-02-7	4-Nitrophenol	2300	
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
84-66-2	Diethylphthalate	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	n-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1600	
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
86-74-8	Carbazole	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo[a]anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo[b]fluoranthene	330	U
207-08-9	Benzo[k]fluoranthene	330	U
50-32-8	Benzo[a]pyrene	330	U
193-39-5	Indeno[1,2,3-cd]pyrene	330	U
53-70-3	Dibenz[a,h]anthracene	330	U
191-24-2	Benzo[g,h,i]perylene	330	U

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Level: (low/med) LOW

	SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	#	#	TOT OUT
01	SBLK01	60	75	83	91	58	86			
02	SBLK01MS	57	65	74	84	66	84			
03	B2-1.0	44	54	54	65	47	73			
04	B1-1.0	51	57	63	74	53	47			
05	B1-1.0MS	46	56	57	75	62	56			
06	B1-1.0MSD	58	63	73	89	75	63			
07	V3-1.0	59	69	73	90	71	70			
08	V2-1.0	55	67	71	88	60	79			
09	V6-1.0	88 D	95 D	97 D	124 D	74 D	83 D			
10	V7-1.0	47	55	59	77	58	64			
11	V4-1.0	88 D	94 D	95 D	131 D	68 D	78 D			
12	V5-1.0	79 D	87 D	90 D	122 D	77 D	77 D			
13	V10-1.0	80 D	83 D	90 D	127 D	82 D	62 D			
14	V11-1.0	81 D	84 D	88 D	125 D	73 D	74 D			
15	W1-1.0	62	74	76	89	92	73			
16	W11-1.0	82 D	88 D	90 D	110 D	98 D	78 D			
17	V8-1.0	41	47	48	58	62	46			
18	V12-1.0	53	66	65	84	93	77			
19	B4-1.0	50	61	62	80	82	50			
20	B3-1.0	48	60	61	75	66	64			
21	T5-1.0	69 D	75 D	77 D	112 D	93 D	67 D			
22	V1-1.0	54	66	66	82	86	64			
23	W5-1.0	55	64	67	81	83	63			
24	W4-1.0	106 D	114 D	117 D	152 D	115 D	96 D			
25	SBLK02	54	62	69	81	47	62			
26	SBLK02MS	56	70	74	87	69	68			
27	W12-1.0	79 D	88 D	83 D	117 D	87 D	74 D			
28	W9-1.0	45	57	46	82	81	64			
29	W9-1.0MS	43	49	51	73	91	79			
30	W9-1.0MSD	50	58	63	81	85	72			

	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(25-121)
S2 (PHL) = Phenol-d5	(24-113)
S3 (NBZ) = Nitrobenzene-d5	(23-120)
S4 (FBP) = 2-Fluorobiphenyl	(30-115)
S5 (TBP) = 2,4,6-Tribromophenol	(19-122)
S6 (TPH) = Terphenyl-d14	(18-137)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Level: (low/med) LOW (2-FP) (PHL) (NBZ) (FBP) (TBP) (TPH) MJG 7/25/97

	W10-1.0	54.14	65.8	72.7	78.14	87.06	82.5			
	W8-1.0	58.57	68.9	73.1	87.5	102.33	77.9			
	W7-1.0	73.93 D	84 D	81.3 D	103.9 D	102.6 D	76 D	#	#	
01	W2-1.0	46	58	55	77	86	78			
02	T1-1.0	57	69	67	81	90	80			
03	T2-1.0	46	63	60	91	108	61			
04	T3-1.0	86 D	91 D	93 D	117 D	108 D	81 D			
05	T4-1.0	78 D	86 D	87 D	111 D	72 D	78 D			
06	V13-1.0	79 D	86 D	90 D	109 D	82 D	87 D			
07	V9-1.0	52	63	62	85	92	67			
08	W3-1.0	48	60	65	83	54	63			
09	W6-1.0	51	65	66	89	63	71			
10										
11										
12										
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30										

	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(25-121)
S2 (PHL) = Phenol-d5	(24-113)
S3 (NBZ) = Nitrobenzene-d5	(23-120)
S4 (FBP) = 2-Fluorobiphenyl	(30-115)
S5 (TBP) = 2,4,6-Tribromophenol	(19-122)
S6 (TPH) = Terphenyl-d14	(18-137)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix Spike - Sample No.: W9-1.0 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	#	QC. LIMITS REC.
Phenol	6700	0	2500	37		(26-90)
2-Chlorophenol	6700	0	2400	36		(25-102)
1,4-Dichlorobenzene	3300	0	1900	58		(28-104)
N-Nitroso-di-n-propylamine	3300	0	2200	67		(41-126)
1,2,4-Trichlorobenzene	3300	0	1900	58		(38-107)
4-Chloro-3-methylphenol	6700	0	3100	46		(26-103)
Acenaphthene	3300	0	2600	79		(31-137)
2,4-Dinitrotoluene	3300	0	2000	61		(28-89)
4-Nitrophenol	6700	0	2200	33		(11-114)
Pentachlorophenol	6700	0	2000	30		(17-109)
Pyrene	3300	0	2600	79		(35-142)

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	6700	3000	45		18		35	(26-90)
2-Chlorophenol	6700	2800	42		15		50	(25-102)
1,4-Dichlorobenzene	3300	2200	67		15		27	(28-104)
N-Nitroso-di-n-propylamine	3300	2600	79		17		38	(41-126)
1,2,4-Trichlorobenzene	3300	2300	70		19		23	(38-107)
4-Chloro-3-methylphenol	6700	3000	45		3		33	(26-103)
Acenaphthene	3300	2700	82		4		19	(31-137)
2,4-Dinitrotoluene	3300	1900	58		5		47	(28-89)
4-Nitrophenol	6700	2100	31		5		50	(11-114)
Pentachlorophenol	6700	2100	31		5		47	(17-109)
Pyrene	3300	2400	73		8		36	(35-142)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

Comments: _____

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AENI MD Contract: VAN50

Project No.: 9707089 Site: _____ Location: _____ Group: _____

Matrix Spike - Sample No.: B1-1.0 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	6700	0	2500	37	(26-90)
2-Chlorophenol	6700	0	2400	36	(25-102)
1,4-Dichlorobenzene	3300	0	1600	48	(28-104)
N-Nitroso-di-n-propylamine	3300	0	2100	64	(41-126)
1,2,4-Trichlorobenzene	3300	0	2000	61	(38-107)
4-Chloro-3-methylphenol	6700	0	2500	37	(26-103)
Acenaphthene	3300	0	2300	70	(31-137)
2,4-Dinitrotoluene	3300	0	1900	58	(28-89)
4-Nitrophenol	6700	0	2200	33	(11-114)
Pentachlorophenol	6700	0	2200	33	(17-109)
Pyrene	3300	0	1900	58	(35-142)

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	6700	2900	43	15	35	(26-90)
2-Chlorophenol	6700	2900	43	19	50	(25-102)
1,4-Dichlorobenzene	3300	2300	70	36 *	27	(28-104)
N-Nitroso-di-n-propylamine	3300	2600	79	21	38	(41-126)
1,2,4-Trichlorobenzene	3300	2400	73	18	23	(38-107)
4-Chloro-3-methylphenol	6700	2800	42	11	33	(26-103)
Acenaphthene	3300	2700	82	16	19	(31-137)
2,4-Dinitrotoluene	3300	2200	67	15	47	(28-89)
4-Nitrophenol	6700	2400	36	9	50	(11-114)
Pentachlorophenol	6700	2400	36	9	47	(17-109)
Pyrene	3300	2200	67	15	36	(35-142)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

Comments: _____

American Environmental Network, Inc.

Case Number: L9707090
Client Name: Van Waters & Rogers, Inc.
Project Name: VWR-SANTE FE SPRINGS
Method: 8270B

Client ID	AEN ID	Date Sampled	Date Received	Date Prepped	Date Analyzed
B2(2.5+5.5 COMP)	L9707090-001	07/17/97	07/18/97	07/19/97	07/23/97
B1(2.5+5.5 COMP)	L9707090-002	07/17/97	07/18/97	07/19/97	07/23/97
V3(2.5+5.5 COMP)	L9707090-003	07/17/97	07/18/97	07/19/97	07/23/97
V2(2.5+5.5 COMP)	L9707090-004	07/17/97	07/18/97	07/19/97	07/23/97
V6(2.5+5.5 COMP)	L9707090-005	07/17/97	07/18/97	07/19/97	07/23/97
V7(2.5+5.5 COMP)	L9707090-006	07/17/97	07/18/97	07/19/97	07/23/97
V4(2.5+5.5 COMP)	L9707090-007	07/17/97	07/18/97	07/21/97	07/23/97
V5(2.5+5.5 COMP)	L9707090-008	07/17/97	07/18/97	07/21/97	07/23/97
V10(2.5+5.5 COMP)	L9707090-009	07/17/97	07/18/97	07/21/97	07/23/97
V11(2.5+5.5 COMP)	L9707090-010	07/17/97	07/18/97	07/21/97	07/23/97
W1(2.5+5.5 COMP)	L9707090-011	07/16/97	07/18/97	07/21/97	07/23/97
W11(2.5+5.5 COMP)	L9707090-012	07/16/97	07/18/97	07/21/97	07/23/97
V8(2.5+5.5 COMP)	L9707090-013	07/17/97	07/18/97	07/21/97	07/23/97
V12(2.5+5.5 COMP)	L9707090-014	07/17/97	07/18/97	07/21/97	07/23/97
B4(2.5+5.5 COMP)	L9707090-015	07/17/97	07/18/97	07/21/97	07/23/97
B3(2.5+5.5 COMP)	L9707090-016	07/17/97	07/18/97	07/21/97	07/24/97
T5(2.5+5.5 COMP)	L9707090-017	07/16/97	07/18/97	07/21/97	07/24/97
V1(2.5+5.5 COMP)	L9707090-018	07/16/97	07/18/97	07/21/97	07/24/97
W5(2.5+5.5 COMP)	L9707090-019	07/16/97	07/18/97	07/21/97	07/24/97
W4(2.5+5.5 COMP)	L9707090-020	07/16/97	07/18/97	07/21/97	07/24/97
W12(2.5+5.5 COMP)	L9707090-021	07/16/97	07/18/97	07/21/97	07/24/97
W9(2.5+5.5 COMP)	L9707090-022	07/16/97	07/18/97	07/21/97	07/24/97
W10(2.5+5.5 COMP)	L9707090-023	07/16/97	07/18/97	07/21/97	07/24/97
W8(2.5+5.5 COMP)	L9707090-024	07/16/97	07/18/97	07/21/97	07/24/97
W7(2.5+5.5 COMP)	L9707090-025	07/16/97	07/18/97	07/21/97	07/24/97
W2(2.5+5.5 COMP)	L9707090-026	07/16/97	07/18/97	07/21/97	07/24/97
T1(2.5+5.5 COMP)	L9707090-027	07/16/97	07/18/97	07/21/97	07/24/97
T2(2.5+5.5 COMP)	L9707090-028	07/16/97	07/18/97	07/21/97	07/24/97
T3(2.5+5.5 COMP)	L9707090-029	07/16/97	07/18/97	07/21/97	07/24/97
T4(2.5+5.5 COMP)	L9707090-030	07/16/97	07/18/97	07/21/97	07/24/97
V13(2.5+5.5 COMP)	L9707090-031	07/16/97	07/18/97	07/21/97	07/24/97
V9(2.5+5.5 COMP)	L9707090-032	07/16/97	07/18/97	07/21/97	07/24/97
W3(2.5+5.5 COMP)	L9707090-033	07/16/97	07/18/97	07/21/97	07/24/97
W6(2.5+5.5 COMP)	L9707090-034	07/16/97	07/18/97	07/21/97	07/24/97

Thirty-four soil samples were composited and analyzed for semivolatile organic compounds using SW846 Method 8270B. This package consists of the tabulated results of the sample(s), method blank(s), and the QC forms II, III, and IV.

Form I(Tabulated Results):
All sample analyses were performed within the holding time requirement. Due to the nature of the sample matrix, some of the samples were brought to a final volume of 5 mL. The resulting quantitation limits were elevated 5 fold.

Form II(Surrogate Recovery):
All surrogate recoveries were within specified limits.

Form III (Matrix Spike/Matrix Spike Duplicate (MS/MSD): MS/MSD analyses were performed on samples V8 (2.5+5.5 comp) and W6 (2.5+5.5 comp). All recoveries and %RPDs were within specified limits with the exception of the MS recovery and %RPD for Pentachlorophenol in sample V8.

Form IV (Method Blank Summary):
Each method blank was free of target analytes.

Analyst: Roy W. Collett Date 7/25/97

Released by: Marilyn Burrell Date 7/25/97

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

Level: (low/med) LOW

	SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	#	#	TOT OUT
01	B2(2.5+5.5 C)	48	62	66	83	53	68			
02	B1(2.5+5.5 C)	51	63	65	83	47	76			
03	V3(2.5+5.5 C)	53	63	68	82	56	73			
04	V2(2.5+5.5 C)	49	62	72	77	74	64			
05	V6(2.5+5.5 C)	89 D	95 D	102 D	118 D	120 D	71 D			
06	V7(2.5+5.5 C)	77 D	82 D	83 D	102 D	103 D	69 D			
07	SBLK03MS	54	60	69	79	84	67			
08	V4(2.5+5.5 C)	43	48	56	65	71	41			
09	V5(2.5+5.5 C)	43	55	57	78	88	52			
10	V10(2.5+5.5 C)	105 D	110 D	117 D	160 D	164 D	100 D			
11	V11(2.5+5.5 C)	78 D	83 D	95 D	121 D	113 D	69 D			
12	W1(2.5+5.5 C)	49	58	63	81	70	50			
13	W11(2.5+5.5 C)	43	55	49	74	77	51			
14	V8(2.5+5.5 C)	36	42	45	59	54	43			
15	V8(2.5+5.5 C)M	41	47	48	60	59	44			
16	V8(2.5+5.5 C)M	47	49	60	74	73	52			
17	V12(2.5+5.5 C)	53	66	72	86	79	61			
18	B4(2.5+5.5 C)	64	77	83	93	104	70			
19	B3(2.5+5.5 C)	54	63	67	77	85	69			
20	T5(2.5+5.5 C)	60	69	76	88	96	81			
21	V1(2.5+5.5 C)	57	69	70	87	98	68			
22	W5(2.5+5.5 C)	66	79	85	101	98	85			
23	W4(2.5+5.5 C)	63	78	82	98	104	65			
24	W12(2.5+5.5 C)	78 D	79 D	83 D	107 D	94 D	67 D			
25	W9(2.5+5.5 C)	61	72	78	92	89	86			
26	W10(2.5+5.5 C)	57	67	74	86	79	66			
27	W8(2.5+5.5 C)	93 D	97 D	98 D	129 D	93 D	92 D			
28	W7(2.5+5.5 C)	90 D	97 D	105 D	132 D	101 D	89 D			
29	W2(2.5+5.5 C)	59	68	73	87	68	69			
30	T1(2.5+5.5 C)	60	0 *	77	91	87	73			1

	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(25-121)
S2 (PHL) = Phenol-d5	(24-113)
S3 (NBZ) = Nitrobenzene-d5	(23-120)
S4 (FBP) = 2-Fluorobiphenyl	(30-115)
S5 (TBP) = 2,4,6-Tribromophenol	(19-122)
S6 (TPH) = Terphenyl-d14	(18-137)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

	SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	#	#	TOT OUT
01	SBLK02	52	63	67	79	74	63			
02										
03										
04										
05										
06										
07										
08										
09										
10										
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16										
17										
18										
19										
20										
21										
22										
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25										
26										
27										
28										
29										
30										

	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(21-100)
S2 (PHL) = Phenol-d5	(10-94)
S3 (NBZ) = Nitrobenzene-d5	(34-114)
S4 (FBP) = 2-Fluorobiphenyl	(43-116)
S5 (TBP) = 2,4,6-Tribromophenol	(10-123)
S6 (TPH) = Terphenyl-d14	(33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

Level: (low/med) LOW

	T2(2.5+5.5 C)	89.88 D	98.9 D	101 D	126.4 D	146.775 D	75.9 D			
	T3(2.5+5.5 C)	97.25 D	99.1 D	128 D	129.7 D	120.425 D	75.1 D			
	T4(2.5+5.5 C)	54.25 #	66.2 #	73 #	87.47 #	83.09 #	61.7 #	#	#	
01	V13(2.5+5.5 C)	48	63	69	87	70	62			
02	V9(2.5+5.5 CO	93 D	83 D	94 D	136 D	125 D	73 D			
03	W3(2.5+5.5 C)	55	69	72	94	80	58			
04	W6(2.5+5.5 C)	51	69	75	98	70	65			
05	W6(2.5+5.5 C)M	53	63	72	91	70	59			
06	W6(2.5+5.5 C)	57	67	76	97	90	68			
07										
08										
09										
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30										

	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(25-121)
S2 (PHL) = Phenol-d5	(24-113)
S3 (NBZ) = Nitrobenzene-d5	(23-120)
S4 (FBP) = 2-Fluorobiphenyl	(30-115)
S5 (TBP) = 2,4,6-Tribromophenol	(19-122)
S6 (TPH) = Terphenyl-d14	(18-137)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

Matrix Spike · Sample No.: V8(2.5+5.5 C) Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	6700	0	2300	34	(26-90)
2-Chlorophenol	6700	0	2200	33	(25-102)
1,4-Dichlorobenzene	3300	0	1700	52	(28-104)
N-Nitroso-di-n-propylamine	3300	0	2000	61	(41-126)
1,2,4-Trichlorobenzene	3300	0	1700	52	(38-107)
4-Chloro-3-methylphenol	6700	0	2200	33	(26-103)
Acenaphthene	3300	0	2000	61	(31-137)
2,4-Dinitrotoluene	3300	0	1200	36	(28-89)
4-Nitrophenol	6700	0	1000	15	(11-114)
Pentachlorophenol	6700	0	750	11 *	(17-109)
Pyrene	3300	0	1500	45	(35-142)

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	6700	2700	40	16	35	(26-90)
2-Chlorophenol	6700	2600	39	17	50	(25-102)
1,4-Dichlorobenzene	3300	2200	67	26	27	(28-104)
N-Nitroso-di-n-propylamine	3300	2500	76	22	38	(41-126)
1,2,4-Trichlorobenzene	3300	2100	64	21	23	(38-107)
4-Chloro-3-methylphenol	6700	2600	39	17	33	(26-103)
Acenaphthene	3300	2400	73	18	19	(31-137)
2,4-Dinitrotoluene	3300	1500	45	22	47	(28-89)
4-Nitrophenol	6700	1600	24	46	50	(11-114)
Pentachlorophenol	6700	1400	21	60 *	47	(17-109)
Pyrene	3300	1800	55	18	36	(35-142)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 11 outside limits

Spike Recovery: 1 out of 22 outside limits

Comments: _____

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V1(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #018

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG180.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	930	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V1(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #018

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG180.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	930	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	930	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	670	
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V2(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #004

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG160.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	920	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V2(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #004

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG160.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	920	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	63	J
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	100	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V3(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #003

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG157.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	920	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V3(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #003

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG157.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	920	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	76	J
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	59	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V4(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #007

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG165.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 11 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	920	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V4(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #007

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG165.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 11 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	920	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	42	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V5(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #008

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG166.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
108-95-2	Phenol	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	bis(2-chloroisopropyl)ether	350	U
95-48-7	2-Methylphenol	350	U
67-72-1	Hexachloroethane	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
106-44-5	4-Methylphenol	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	880	U
208-96-8	Acenaphthylene	350	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
83-32-9	Acenaphthene	350	U
99-09-2	3-Nitroaniline	880	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V5(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #008

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG166.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 6 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	880	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
100-02-7	4-Nitrophenol	880	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
84-66-2	Diethylphthalate	350	U
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
86-74-8	Carbazole	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo[a]anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	51	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	350	U
207-08-9	Benzo[k]fluoranthene	350	U
50-32-8	Benzo[a]pyrene	350	U
193-39-5	Indeno[1,2,3-cd]pyrene	350	U
53-70-3	Dibenz[a,h]anthracene	350	U
191-24-2	Benzo[g,h,i]perylene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V6(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG161.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 11 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1900	UD
108-95-2	Phenol	1900	UD
95-57-8	2-Chlorophenol	1900	UD
541-73-1	1,3-Dichlorobenzene	1900	UD
106-46-7	1,4-Dichlorobenzene	1900	UD
95-50-1	1,2-Dichlorobenzene	1900	UD
108-60-1	bis(2-chloroisopropyl)ether	1900	UD
95-48-7	2-Methylphenol	1900	UD
67-72-1	Hexachloroethane	1900	UD
621-64-7	N-Nitroso-di-n-propylamine	1900	UD
106-44-5	4-Methylphenol	1900	UD
98-95-3	Nitrobenzene	1900	UD
78-59-1	Isophorone	1900	UD
88-75-5	2-Nitrophenol	1900	UD
105-67-9	2,4-Dimethylphenol	1900	UD
111-91-1	bis(2-Chloroethoxy)methane	1900	UD
120-83-2	2,4-Dichlorophenol	1900	UD
120-82-1	1,2,4-Trichlorobenzene	1900	UD
91-20-3	Naphthalene	450	JD
106-47-8	4-Chloroaniline	1900	UD
87-68-3	Hexachlorobutadiene	1900	UD
59-50-7	4-Chloro-3-methylphenol	1900	UD
91-57-6	2-Methylnaphthalene	1400	JD
77-47-4	Hexachlorocyclopentadiene	1900	UD
88-06-2	2,4,6-Trichlorophenol	1900	UD
95-95-4	2,4,5-Trichlorophenol	4700	UD
91-58-7	2-Chloronaphthalene	1900	UD
88-74-4	2-Nitroaniline	4700	UD
208-96-8	Acenaphthylene	1900	UD
131-11-3	Dimethylphthalate	1900	UD
606-20-2	2,6-Dinitrotoluene	1900	UD
83-32-9	Acenaphthene	1900	UD
99-09-2	3-Nitroaniline	4700	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V6(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG161.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 11 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4700	UD
132-64-9	Dibenzofuran	1900	UD
121-14-2	2,4-Dinitrotoluene	1900	UD
100-02-7	4-Nitrophenol	4700	UD
86-73-7	Fluorene	360	JD
7005-72-3	4-Chlorophenyl-phenylether	1900	UD
84-66-2	Diethylphthalate	1900	UD
100-01-6	4-Nitroaniline	4700	UD
534-52-1	4,6-Dinitro-2-methylphenol	4700	UD
86-30-6	n-Nitrosodiphenylamine	1900	UD
101-55-3	4-Bromophenyl-phenylether	1900	UD
118-74-1	Hexachlorobenzene	1900	UD
87-86-5	Pentachlorophenol	4700	UD
85-01-8	Phenanthrene	660	JD
120-12-7	Anthracene	1900	UD
84-74-2	Di-n-butylphthalate	1900	UD
86-74-8	Carbazole	1900	UD
206-44-0	Fluoranthene	1900	UD
129-00-0	Pyrene	1900	UD
85-68-7	Butylbenzylphthalate	1900	UD
91-94-1	3,3'-Dichlorobenzidine	1900	UD
56-55-3	Benzo[a]anthracene	1900	UD
218-01-9	Chrysene	270	JD
117-81-7	bis(2-Ethylhexyl)phthalate	1900	UD
117-84-0	Di-n-octylphthalate	1900	UD
205-99-2	Benzo[b]fluoranthene	1900	UD
207-08-9	Benzo[k]fluoranthene	1900	UD
50-32-8	Benzo[a]pyrene	300	JD
193-39-5	Indeno[1,2,3-cd]pyrene	1900	UD
53-70-3	Dibenz[a,h]anthracene	1900	UD
191-24-2	Benzo[g,h,i]perylene	1900	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V7(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #006

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG162.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1800	UD
108-95-2	Phenol	1800	UD
95-57-8	2-Chlorophenol	1800	UD
541-73-1	1,3-Dichlorobenzene	1800	UD
106-46-7	1,4-Dichlorobenzene	1800	UD
95-50-1	1,2-Dichlorobenzene	1800	UD
108-60-1	bis(2-chloroisopropyl)ether	1800	UD
95-48-7	2-Methylphenol	1800	UD
67-72-1	Hexachloroethane	1800	UD
621-64-7	N-Nitroso-di-n-propylamine	1800	UD
106-44-5	4-Methylphenol	1800	UD
98-95-3	Nitrobenzene	1800	UD
78-59-1	Isophorone	1800	UD
88-75-5	2-Nitrophenol	1800	UD
105-67-9	2,4-Dimethylphenol	1800	UD
111-91-1	bis(2-Chloroethoxy)methane	1800	UD
120-83-2	2,4-Dichlorophenol	1800	UD
120-82-1	1,2,4-Trichlorobenzene	1800	UD
91-20-3	Naphthalene	1800	UD
106-47-8	4-Chloroaniline	1800	UD
87-68-3	Hexachlorobutadiene	1800	UD
59-50-7	4-Chloro-3-methylphenol	1800	UD
91-57-6	2-Methylnaphthalene	1800	UD
77-47-4	Hexachlorocyclopentadiene	1800	UD
88-06-2	2,4,6-Trichlorophenol	1800	UD
95-95-4	2,4,5-Trichlorophenol	4600	UD
91-58-7	2-Chloronaphthalene	1800	UD
88-74-4	2-Nitroaniline	4600	UD
208-96-8	Acenaphthylene	1800	UD
131-11-3	Dimethylphthalate	1800	UD
606-20-2	2,6-Dinitrotoluene	1800	UD
83-32-9	Acenaphthene	1800	UD
99-09-2	3-Nitroaniline	4600	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V7(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #006

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG162.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4600	UD
132-64-9	Dibenzofuran	1800	UD
121-14-2	2,4-Dinitrotoluene	1800	UD
100-02-7	4-Nitrophenol	4600	UD
86-73-7	Fluorene	1800	UD
7005-72-3	4-Chlorophenyl-phenylether	1800	UD
84-66-2	Diethylphthalate	1800	UD
100-01-6	4-Nitroaniline	4600	UD
534-52-1	4,6-Dinitro-2-methylphenol	4600	UD
86-30-6	n-Nitrosodiphenylamine	1800	UD
101-55-3	4-Bromophenyl-phenylether	1800	UD
118-74-1	Hexachlorobenzene	1800	UD
87-86-5	Pentachlorophenol	4600	UD
85-01-8	Phenanthrene	1800	UD
120-12-7	Anthracene	1800	UD
84-74-2	Di-n-butylphthalate	1800	UD
86-74-8	Carbazole	1800	UD
206-44-0	Fluoranthene	1800	UD
129-00-0	Pyrene	1800	UD
85-68-7	Butylbenzylphthalate	1800	UD
91-94-1	3,3'-Dichlorobenzidine	1800	UD
56-55-3	Benzo[a]anthracene	1800	UD
218-01-9	Chrysene	1800	UD
117-81-7	bis(2-Ethylhexyl)phthalate	250	JD
117-84-0	Di-n-octylphthalate	1800	UD
205-99-2	Benzo[b]fluoranthene	1800	UD
207-08-9	Benzo[k]fluoranthene	1800	UD
50-32-8	Benzo[a]pyrene	1800	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1800	UD
53-70-3	Dibenz[a,h]anthracene	1800	UD
191-24-2	Benzo[g,h,i]perylene	1800	UD

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
V8(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #013

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG171.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	390	U
108-95-2	Phenol	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
108-60-1	bis(2-chloroisopropyl)ether	390	U
95-48-7	2-Methylphenol	390	U
67-72-1	Hexachloroethane	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
106-44-5	4-Methylphenol	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
208-96-8	Acenaphthylene	390	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
83-32-9	Acenaphthene	390	U
99-09-2	3-Nitroaniline	980	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V8(2.5+5.5 C)

Lab Name: AEN Contract: VAN50

Project No.: 9707080 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #013

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG171.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	980	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
100-02-7	4-Nitrophenol	980	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
84-66-2	Diethylphthalate	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	n-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	390	U
86-74-8	Carbazole	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

1B.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V9(2.5+5.5 CO

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #032

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG203.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 8 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1800	UD
108-95-2	Phenol	1800	UD
95-57-8	2-Chlorophenol	1800	UD
541-73-1	1,3-Dichlorobenzene	1800	UD
106-46-7	1,4-Dichlorobenzene	1800	UD
95-50-1	1,2-Dichlorobenzene	1800	UD
108-60-1	bis(2-chloroisopropyl)ether	1800	UD
95-48-7	2-Methylphenol	1800	UD
67-72-1	Hexachloroethane	1800	UD
621-64-7	N-Nitroso-di-n-propylamine	1800	UD
106-44-5	4-Methylphenol	1800	UD
98-95-3	Nitrobenzene	1800	UD
78-59-1	Isophorone	1800	UD
88-75-5	2-Nitrophenol	1800	UD
105-67-9	2,4-Dimethylphenol	1800	UD
111-91-1	bis(2-Chloroethoxy)methane	1800	UD
120-83-2	2,4-Dichlorophenol	1800	UD
120-82-1	1,2,4-Trichlorobenzene	1800	UD
91-20-3	Naphthalene	1800	UD
106-47-8	4-Chloroaniline	1800	UD
87-68-3	Hexachlorobutadiene	1800	UD
59-50-7	4-Chloro-3-methylphenol	1800	UD
91-57-6	2-Methylnaphthalene	1800	UD
77-47-4	Hexachlorocyclopentadiene	1800	UD
88-06-2	2,4,6-Trichlorophenol	1800	UD
95-95-4	2,4,5-Trichlorophenol	4500	UD
91-58-7	2-Chloronaphthalene	1800	UD
88-74-4	2-Nitroaniline	4500	UD
208-96-8	Acenaphthylene	1800	UD
131-11-3	Dimethylphthalate	1800	UD
606-20-2	2,6-Dinitrotoluene	1800	UD
83-32-9	Acenaphthene	1800	UD
99-09-2	3-Nitroaniline	4500	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V9(2.5+5.5 C0

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #032

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG203.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 8 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4500	UD
132-64-9	Dibenzofuran	1800	UD
121-14-2	2,4-Dinitrotoluene	1800	UD
100-02-7	4-Nitrophenol	4500	UD
86-73-7	Fluorene	1800	UD
7005-72-3	4-Chlorophenyl-phenylether	1800	UD
84-66-2	Diethylphthalate	1800	UD
100-01-6	4-Nitroaniline	4500	UD
534-52-1	4,6-Dinitro-2-methylphenol	4500	UD
86-30-6	n-Nitrosodiphenylamine	1800	UD
101-55-3	4-Bromophenyl-phenylether	1800	UD
118-74-1	Hexachlorobenzene	1800	UD
87-86-5	Pentachlorophenol	4500	UD
85-01-8	Phenanthrene	1800	UD
120-12-7	Anthracene	1800	UD
84-74-2	Di-n-butylphthalate	1800	UD
86-74-8	Carbazole	1800	UD
206-44-0	Fluoranthene	1800	UD
129-00-0	Pyrene	1800	UD
85-68-7	Butylbenzylphthalate	1800	UD
91-94-1	3,3'-Dichlorobenzidine	1800	UD
56-55-3	Benzo[a]anthracene	1800	UD
218-01-9	Chrysene	1800	UD
117-81-7	bis(2-Ethylhexyl)phthalate	220	JD
117-84-0	Di-n-octylphthalate	1800	UD
205-99-2	Benzo[b]fluoranthene	1800	UD
207-08-9	Benzo[k]fluoranthene	1800	UD
50-32-8	Benzo[a]pyrene	1800	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1800	UD
53-70-3	Dibenz[a,h]anthracene	1800	UD
191-24-2	Benzo[g,h,i]perylene	1800	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V10(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #009

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG167.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1900	UD
108-95-2	Phenol	1900	UD
95-57-8	2-Chlorophenol	1900	UD
541-73-1	1,3-Dichlorobenzene	1900	UD
106-46-7	1,4-Dichlorobenzene	1900	UD
95-50-1	1,2-Dichlorobenzene	1900	UD
108-60-1	bis(2-chloroisopropyl)ether	1900	UD
95-48-7	2-Methylphenol	1900	UD
67-72-1	Hexachloroethane	1900	UD
621-64-7	N-Nitroso-di-n-propylamine	1900	UD
106-44-5	4-Methylphenol	1900	UD
98-95-3	Nitrobenzene	1900	UD
78-59-1	Isophorone	1900	UD
88-75-5	2-Nitrophenol	1900	UD
105-67-9	2,4-Dimethylphenol	1900	UD
111-91-1	bis(2-Chloroethoxy)methane	1900	UD
120-83-2	2,4-Dichlorophenol	1900	UD
120-82-1	1,2,4-Trichlorobenzene	1900	UD
91-20-3	Naphthalene	1900	UD
106-47-8	4-Chloroaniline	1900	UD
87-68-3	Hexachlorobutadiene	1900	UD
59-50-7	4-Chloro-3-methylphenol	1900	UD
91-57-6	2-Methylnaphthalene	1000	JD
77-47-4	Hexachlorocyclopentadiene	1900	UD
88-06-2	2,4,6-Trichlorophenol	1900	UD
95-95-4	2,4,5-Trichlorophenol	4700	UD
91-58-7	2-Chloronaphthalene	1900	UD
88-74-4	2-Nitroaniline	4700	UD
208-96-8	Acenaphthylene	1900	UD
131-11-3	Dimethylphthalate	1900	UD
606-20-2	2,6-Dinitrotoluene	1900	UD
83-32-9	Acenaphthene	1900	UD
99-09-2	3-Nitroaniline	4700	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V10(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #009

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG167.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4700	UD
132-64-9	Dibenzofuran	1900	UD
121-14-2	2,4-Dinitrotoluene	1900	UD
100-02-7	4-Nitrophenol	4700	UD
86-73-7	Fluorene	1900	UD
7005-72-3	4-Chlorophenyl-phenylether	1900	UD
84-66-2	Diethylphthalate	1900	UD
100-01-6	4-Nitroaniline	4700	UD
534-52-1	4,6-Dinitro-2-methylphenol	4700	UD
86-30-6	n-Nitrosodiphenylamine	1900	UD
101-55-3	4-Bromophenyl-phenylether	1900	UD
118-74-1	Hexachlorobenzene	1900	UD
87-86-5	Pentachlorophenol	4700	UD
85-01-8	Phenanthrene	630	JD
120-12-7	Anthracene	1900	UD
84-74-2	Di-n-butylphthalate	1900	UD
86-74-8	Carbazole	1900	UD
206-44-0	Fluoranthene	1900	UD
129-00-0	Pyrene	290	JD
85-68-7	Butylbenzylphthalate	1900	UD
91-94-1	3,3'-Dichlorobenzidine	1900	UD
56-55-3	Benzo[a]anthracene	1900	UD
218-01-9	Chrysene	370	JD
117-81-7	bis(2-Ethylhexyl)phthalate	260	JD
117-84-0	Di-n-octylphthalate	1900	UD
205-99-2	Benzo[b]fluoranthene	1900	UD
207-08-9	Benzo[k]fluoranthene	1900	UD
50-32-8	Benzo[a]pyrene	1900	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1900	UD
53-70-3	Dibenz[a,h]anthracene	1900	UD
191-24-2	Benzo[g,h,i]perylene	1900	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V11(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #010

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG168.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1800	UD
108-95-2	Phenol	1800	UD
95-57-8	2-Chlorophenol	1800	UD
541-73-1	1,3-Dichlorobenzene	1800	UD
106-46-7	1,4-Dichlorobenzene	1800	UD
95-50-1	1,2-Dichlorobenzene	1800	UD
108-60-1	bis(2-chloroisopropyl)ether	1800	UD
95-48-7	2-Methylphenol	1800	UD
67-72-1	Hexachloroethane	1800	UD
621-64-7	N-Nitroso-di-n-propylamine	1800	UD
106-44-5	4-Methylphenol	1800	UD
98-95-3	Nitrobenzene	1800	UD
78-59-1	Isophorone	1800	UD
88-75-5	2-Nitrophenol	1800	UD
105-67-9	2,4-Dimethylphenol	1800	UD
111-91-1	bis(2-Chloroethoxy)methane	1800	UD
120-83-2	2,4-Dichlorophenol	1800	UD
120-82-1	1,2,4-Trichlorobenzene	1800	UD
91-20-3	Naphthalene	1800	UD
106-47-8	4-Chloroaniline	1800	UD
87-68-3	Hexachlorobutadiene	1800	UD
59-50-7	4-Chloro-3-methylphenol	1800	UD
91-57-6	2-Methylnaphthalene	1800	UD
77-47-4	Hexachlorocyclopentadiene	1800	UD
88-06-2	2,4,6-Trichlorophenol	1800	UD
95-95-4	2,4,5-Trichlorophenol	4600	UD
91-58-7	2-Chloronaphthalene	1800	UD
88-74-4	2-Nitroaniline	4600	UD
208-96-8	Acenaphthylene	1800	UD
131-11-3	Dimethylphthalate	1800	UD
606-20-2	2,6-Dinitrotoluene	1800	UD
83-32-9	Acenaphthene	1800	UD
99-09-2	3-Nitroaniline	4600	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V11(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #010

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG168.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4600	UD
132-64-9	Dibenzofuran	1800	UD
121-14-2	2,4-Dinitrotoluene	1800	UD
100-02-7	4-Nitrophenol	4600	UD
86-73-7	Fluorene	1800	UD
7005-72-3	4-Chlorophenyl-phenylether	1800	UD
84-66-2	Diethylphthalate	1800	UD
100-01-6	4-Nitroaniline	4600	UD
534-52-1	4,6-Dinitro-2-methylphenol	4600	UD
86-30-6	n-Nitrosodiphenylamine	1800	UD
101-55-3	4-Bromophenyl-phenylether	1800	UD
118-74-1	Hexachlorobenzene	1800	UD
87-86-5	Pentachlorophenol	4600	UD
85-01-8	Phenanthrene	200	JD
120-12-7	Anthracene	1800	UD
84-74-2	Di-n-butylphthalate	1800	UD
86-74-8	Carbazole	1800	UD
206-44-0	Fluoranthene	1800	UD
129-00-0	Pyrene	1800	UD
85-68-7	Butylbenzylphthalate	1800	UD
91-94-1	3,3'-Dichlorobenzidine	1800	UD
56-55-3	Benzo[a]anthracene	1800	UD
218-01-9	Chrysene	400	JD
117-81-7	bis(2-Ethylhexyl)phthalate	250	JD
117-84-0	Di-n-octylphthalate	1800	UD
205-99-2	Benzo[b]fluoranthene	1800	UD
207-08-9	Benzo[k]fluoranthene	1800	UD
50-32-8	Benzo[a]pyrene	1800	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1800	UD
53-70-3	Dibenz[a,h]anthracene	1800	UD
191-24-2	Benzo[g,h,i]perylene	1800	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V12(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #014

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG174.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 11 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	930	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V12(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #014

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG174.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 11 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	930	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	930	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	140	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V13(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #031

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG202.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 17 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	400	U
108-95-2	Phenol	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
108-60-1	bis(2-chloroisopropyl)ether	400	U
95-48-7	2-Methylphenol	400	U
67-72-1	Hexachloroethane	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
106-44-5	4-Methylphenol	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	990	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	990	U
208-96-8	Acenaphthylene	400	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
83-32-9	Acenaphthene	400	U
99-09-2	3-Nitroaniline	990	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V13(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #031

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG202.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 17 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	990	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
100-02-7	4-Nitrophenol	990	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
84-66-2	Diethylphthalate	400	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	n-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
84-74-2	Di-n-butylphthalate	400	U
86-74-8	Carbazole	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo[a]anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	210	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo[b]fluoranthene	400	U
207-08-9	Benzo[k]fluoranthene	400	U
50-32-8	Benzo[a]pyrene	400	U
193-39-5	Indeno[1,2,3-cd]pyrene	400	U
53-70-3	Dibenz[a,h]anthracene	400	U
191-24-2	Benzo[g,h,i]perylene	400	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B1(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #002

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG156.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	920	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B1(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #002

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG156.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 9 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	920	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	100	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B2(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG155.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	U
99-09-2	3-Nitroaniline	950	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B2(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG155.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
100-02-7	4-Nitrophenol	950	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	93	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno[1,2,3-cd]pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B3(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #016

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG178.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	U
99-09-2	3-Nitroaniline	950	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B3(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #016

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG178.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
100-02-7	4-Nitrophenol	950	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	100	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno[1,2,3-cd]pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #015

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG177.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 7 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	360	U
108-95-2	Phenol	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
108-60-1	bis(2-chloroisopropyl)ether	360	U
95-48-7	2-Methylphenol	360	U
67-72-1	Hexachloroethane	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
106-44-5	4-Methylphenol	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	890	U
208-96-8	Acenaphthylene	360	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
83-32-9	Acenaphthene	360	U
99-09-2	3-Nitroaniline	890	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #015

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG177.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 7 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	890	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
100-02-7	4-Nitrophenol	890	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
84-66-2	Diethylphthalate	360	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	U
86-30-6	n-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-butylphthalate	360	U
86-74-8	Carbazole	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo[a]anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	54	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo[b]fluoranthene	360	U
207-08-9	Benzo[k]fluoranthene	360	U
50-32-8	Benzo[a]pyrene	360	U
193-39-5	Indeno[1,2,3-cd]pyrene	360	U
53-70-3	Dibenz[a,h]anthracene	360	U
191-24-2	Benzo[g,h,i]perylene	360	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T1(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #027

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG192.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	390	U
108-95-2	Phenol	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
108-60-1	bis(2-chloroisopropyl)ether	390	U
95-48-7	2-Methylphenol	390	U
67-72-1	Hexachloroethane	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
106-44-5	4-Methylphenol	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
208-96-8	Acenaphthylene	390	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
83-32-9	Acenaphthene	390	U
99-09-2	3-Nitroaniline	970	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T1(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #027

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG192.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	970	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
100-02-7	4-Nitrophenol	970	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
84-66-2	Diethylphthalate	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	n-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	390	U
86-74-8	Carbazole	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo[a]anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	97	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo[b]fluoranthene	390	U
207-08-9	Benzo[k]fluoranthene	390	U
50-32-8	Benzo[a]pyrene	390	U
193-39-5	Indeno[1,2,3-cd]pyrene	390	U
53-70-3	Dibenz[a,h]anthracene	390	U
191-24-2	Benzo[g,h,i]perylene	390	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T2(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #028

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG199.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1900	UD
108-95-2	Phenol	1900	UD
95-57-8	2-Chlorophenol	1900	UD
541-73-1	1,3-Dichlorobenzene	1900	UD
106-46-7	1,4-Dichlorobenzene	1900	UD
95-50-1	1,2-Dichlorobenzene	1900	UD
108-60-1	bis(2-chloroisopropyl)ether	1900	UD
95-48-7	2-Methylphenol	1900	UD
67-72-1	Hexachloroethane	1900	UD
621-64-7	N-Nitroso-di-n-propylamine	1900	UD
106-44-5	4-Methylphenol	1900	UD
98-95-3	Nitrobenzene	1900	UD
78-59-1	Isophorone	1900	UD
88-75-5	2-Nitrophenol	1900	UD
105-67-9	2,4-Dimethylphenol	1900	UD
111-91-1	bis(2-Chloroethoxy)methane	1900	UD
120-83-2	2,4-Dichlorophenol	1900	UD
120-82-1	1,2,4-Trichlorobenzene	1900	UD
91-20-3	Naphthalene	1900	UD
106-47-8	4-Chloroaniline	1900	UD
87-68-3	Hexachlorobutadiene	1900	UD
59-50-7	4-Chloro-3-methylphenol	1900	UD
91-57-6	2-Methylnaphthalene	1900	UD
77-47-4	Hexachlorocyclopentadiene	1900	UD
88-06-2	2,4,6-Trichlorophenol	1900	UD
95-95-4	2,4,5-Trichlorophenol	4700	UD
91-58-7	2-Chloronaphthalene	1900	UD
88-74-4	2-Nitroaniline	4700	UD
208-96-8	Acenaphthylene	1900	UD
131-11-3	Dimethylphthalate	1900	UD
606-20-2	2,6-Dinitrotoluene	1900	UD
83-32-9	Acenaphthene	1900	UD
99-09-2	3-Nitroaniline	4700	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T2(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #028

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG199.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4700	UD
132-64-9	Dibenzofuran	1900	UD
121-14-2	2,4-Dinitrotoluene	1900	UD
100-02-7	4-Nitrophenol	4700	UD
86-73-7	Fluorene	1900	UD
7005-72-3	4-Chlorophenyl-phenylether	1900	UD
84-66-2	Diethylphthalate	1900	UD
100-01-6	4-Nitroaniline	4700	UD
534-52-1	4,6-Dinitro-2-methylphenol	4700	UD
86-30-6	n-Nitrosodiphenylamine	1900	UD
101-55-3	4-Bromophenyl-phenylether	1900	UD
118-74-1	Hexachlorobenzene	1900	UD
87-86-5	Pentachlorophenol	4700	UD
85-01-8	Phenanthrene	1900	UD
120-12-7	Anthracene	1900	UD
84-74-2	Di-n-butylphthalate	1900	UD
86-74-8	Carbazole	1900	UD
206-44-0	Fluoranthene	270	JD
129-00-0	Pyrene	1900	UD
85-68-7	Butylbenzylphthalate	1900	UD
91-94-1	3,3'-Dichlorobenzidine	1900	UD
56-55-3	Benzo[a]anthracene	1900	UD
218-01-9	Chrysene	280	JD
117-81-7	bis(2-Ethylhexyl)phthalate	1900	UD
117-84-0	Di-n-octylphthalate	1900	UD
205-99-2	Benzo[b]fluoranthene	1900	UD
207-08-9	Benzo[k]fluoranthene	1900	UD
50-32-8	Benzo[a]pyrene	1900	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1900	UD
53-70-3	Dibenz[a,h]anthracene	1900	UD
191-24-2	Benzo[g,h,i]perylene	1900	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T3(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #029

Sample wt/vol: 30.8 (g/mL) G Lab File ID: DG200.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 14 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1900	UD
108-95-2	Phenol	1900	UD
95-57-8	2-Chlorophenol	1900	UD
541-73-1	1,3-Dichlorobenzene	1900	UD
106-46-7	1,4-Dichlorobenzene	1900	UD
95-50-1	1,2-Dichlorobenzene	1900	UD
108-60-1	bis(2-chloroisopropyl)ether	1900	UD
95-48-7	2-Methylphenol	1900	UD
67-72-1	Hexachloroethane	1900	UD
621-64-7	N-Nitroso-di-n-propylamine	1900	UD
106-44-5	4-Methylphenol	1900	UD
98-95-3	Nitrobenzene	1900	UD
78-59-1	Isophorone	1900	UD
88-75-5	2-Nitrophenol	1900	UD
105-67-9	2,4-Dimethylphenol	1900	UD
111-91-1	bis(2-Chloroethoxy)methane	1900	UD
120-83-2	2,4-Dichlorophenol	1900	UD
120-82-1	1,2,4-Trichlorobenzene	1900	UD
91-20-3	Naphthalene	900	JD
106-47-8	4-Chloroaniline	1900	UD
87-68-3	Hexachlorobutadiene	1900	UD
59-50-7	4-Chloro-3-methylphenol	1900	UD
91-57-6	2-Methylnaphthalene	1900	D
77-47-4	Hexachlorocyclopentadiene	1900	UD
88-06-2	2,4,6-Trichlorophenol	1900	UD
95-95-4	2,4,5-Trichlorophenol	4700	UD
91-58-7	2-Chloronaphthalene	1900	UD
88-74-4	2-Nitroaniline	4700	UD
208-96-8	Acenaphthylene	1900	UD
131-11-3	Dimethylphthalate	1900	UD
606-20-2	2,6-Dinitrotoluene	1900	UD
83-32-9	Acenaphthene	1900	UD
99-09-2	3-Nitroaniline	4700	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T3(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #029

Sample wt/vol: 30.8 (g/mL) G Lab File ID: DG200.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 14 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4700	UD
132-64-9	Dibenzofuran	1900	UD
121-14-2	2,4-Dinitrotoluene	1900	UD
100-02-7	4-Nitrophenol	4700	UD
86-73-7	Fluorene	1500	JD
7005-72-3	4-Chlorophenyl-phenylether	1900	UD
84-66-2	Diethylphthalate	1900	UD
100-01-6	4-Nitroaniline	4700	UD
534-52-1	4,6-Dinitro-2-methylphenol	4700	UD
86-30-6	n-Nitrosodiphenylamine	1900	UD
101-55-3	4-Bromophenyl-phenylether	1900	UD
118-74-1	Hexachlorobenzene	1900	UD
87-86-5	Pentachlorophenol	4700	UD
85-01-8	Phenanthrene	1100	JD
120-12-7	Anthracene	1900	UD
84-74-2	Di-n-butylphthalate	1900	UD
86-74-8	Carbazole	1900	UD
206-44-0	Fluoranthene	320	JD
129-00-0	Pyrene	420	JD
85-68-7	Butylbenzylphthalate	1900	UD
91-94-1	3,3'-Dichlorobenzidine	1900	UD
56-55-3	Benzo[a]anthracene	1900	UD
218-01-9	Chrysene	370	JD
117-81-7	bis(2-Ethylhexyl)phthalate	390	JD
117-84-0	Di-n-octylphthalate	1900	UD
205-99-2	Benzo[b]fluoranthene	1900	UD
207-08-9	Benzo[k]fluoranthene	1900	UD
50-32-8	Benzo[a]pyrene	1900	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1900	UD
53-70-3	Dibenz[a,h]anthracene	1900	UD
191-24-2	Benzo[g,h,i]perylene	1900	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T4(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #030

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG201.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 25 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	440	U
108-95-2	Phenol	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
108-60-1	bis(2-chloroisopropyl)ether	440	U
95-48-7	2-Methylphenol	440	U
67-72-1	Hexachloroethane	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
106-44-5	4-Methylphenol	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
208-96-8	Acenaphthylene	440	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
83-32-9	Acenaphthene	440	U
99-09-2	3-Nitroaniline	1100	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T4(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #030

Sample wt/vol: 30.4 (g/mL) G Lab File ID: DG201.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 25 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
100-02-7	4-Nitrophenol	1100	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
84-66-2	Diethylphthalate	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
84-74-2	Di-n-butylphthalate	440	U
86-74-8	Carbazole	440	U
206-44-0	Fluoranthene	440	U
129-00-0	Pyrene	440	U
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo[a]anthracene	440	U
218-01-9	Chrysene	440	U
117-81-7	bis(2-Ethylhexyl)phthalate	160	J
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo[b]fluoranthene	440	U
207-08-9	Benzo[k]fluoranthene	440	U
50-32-8	Benzo[a]pyrene	440	U
193-39-5	Indeno[1,2,3-cd]pyrene	440	U
53-70-3	Dibenz[a,h]anthracene	440	U
191-24-2	Benzo[g,h,i]perylene	440	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T5(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #017

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG179.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	940	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	U
99-09-2	3-Nitroaniline	940	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T5(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #017

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG179.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	940	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
100-02-7	4-Nitrophenol	940	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	800	
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno[1,2,3-cd]pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W1(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #011

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG169.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	920	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W1(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #011

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG169.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	920	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W2(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #026

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG189.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	920	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W2(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #026

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG189.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	920	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W3(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #033

Sample wt/vol: 30.8 (g/mL) G Lab File ID: DG204.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 8 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
108-95-2	Phenol	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	bis(2-chloroisopropyl)ether	350	U
95-48-7	2-Methylphenol	350	U
67-72-1	Hexachloroethane	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
106-44-5	4-Methylphenol	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	890	U
208-96-8	Acenaphthylene	350	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
83-32-9	Acenaphthene	350	U
99-09-2	3-Nitroaniline	890	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W3(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #033

Sample wt/vol: 30.8 (g/mL) G Lab File ID: DG204.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 8 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	890	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
100-02-7	4-Nitrophenol	890	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
84-66-2	Diethylphthalate	350	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
86-74-8	Carbazole	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo[a]anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	450	
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	350	U
207-08-9	Benzo[k]fluoranthene	350	U
50-32-8	Benzo[a]pyrene	350	U
193-39-5	Indeno[1,2,3-cd]pyrene	350	U
53-70-3	Dibenz[a,h]anthracene	350	U
191-24-2	Benzo[g,h,i]perylene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W4(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #020

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG182.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	910	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	910	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	910	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W4(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #020

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG182.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 10 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	910	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	910	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	99	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W5(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #019

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG181.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	940	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	U
99-09-2	3-Nitroaniline	940	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W5(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #019

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG181.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	940	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
100-02-7	4-Nitrophenol	940	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	130	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno[1,2,3-cd]pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W6(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #034

Sample wt/vol: 30.5 (g/mL) G Lab File ID: DG205.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	940	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	U
99-09-2	3-Nitroaniline	940	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W6(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #034

Sample wt/vol: 30.5 (g/mL) G Lab File ID: DG205.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	940	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
100-02-7	4-Nitrophenol	940	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	2700	
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno[1,2,3-cd]pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W7(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #025

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG187.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 8 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1800	UD
108-95-2	Phenol	1800	UD
95-57-8	2-Chlorophenol	1800	UD
541-73-1	1,3-Dichlorobenzene	1800	UD
106-46-7	1,4-Dichlorobenzene	1800	UD
95-50-1	1,2-Dichlorobenzene	1800	UD
108-60-1	bis(2-chloroisopropyl)ether	1800	UD
95-48-7	2-Methylphenol	1800	UD
67-72-1	Hexachloroethane	1800	UD
621-64-7	N-Nitroso-di-n-propylamine	1800	UD
106-44-5	4-Methylphenol	1800	UD
98-95-3	Nitrobenzene	1800	UD
78-59-1	Isophorone	1800	UD
88-75-5	2-Nitrophenol	1800	UD
105-67-9	2,4-Dimethylphenol	1800	UD
111-91-1	bis(2-Chloroethoxy)methane	1800	UD
120-83-2	2,4-Dichlorophenol	1800	UD
120-82-1	1,2,4-Trichlorobenzene	1800	UD
91-20-3	Naphthalene	1800	UD
106-47-8	4-Chloroaniline	1800	UD
87-68-3	Hexachlorobutadiene	1800	UD
59-50-7	4-Chloro-3-methylphenol	1800	UD
91-57-6	2-Methylnaphthalene	1800	UD
77-47-4	Hexachlorocyclopentadiene	1800	UD
88-06-2	2,4,6-Trichlorophenol	1800	UD
95-95-4	2,4,5-Trichlorophenol	4500	UD
91-58-7	2-Chloronaphthalene	1800	UD
88-74-4	2-Nitroaniline	4500	UD
208-96-8	Acenaphthylene	1800	UD
131-11-3	Dimethylphthalate	1800	UD
606-20-2	2,6-Dinitrotoluene	1800	UD
83-32-9	Acenaphthene	1800	UD
99-09-2	3-Nitroaniline	4500	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W7(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #025

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG187.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 8 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4500	UD
132-64-9	Dibenzofuran	1800	UD
121-14-2	2,4-Dinitrotoluene	1800	UD
100-02-7	4-Nitrophenol	4500	UD
86-73-7	Fluorene	1800	UD
7005-72-3	4-Chlorophenyl-phenylether	1800	UD
84-66-2	Diethylphthalate	1800	UD
100-01-6	4-Nitroaniline	4500	UD
534-52-1	4,6-Dinitro-2-methylphenol	4500	UD
86-30-6	n-Nitrosodiphenylamine	1800	UD
101-55-3	4-Bromophenyl-phenylether	1800	UD
118-74-1	Hexachlorobenzene	1800	UD
87-86-5	Pentachlorophenol	4500	UD
85-01-8	Phenanthrene	1800	UD
120-12-7	Anthracene	1800	UD
84-74-2	Di-n-butylphthalate	1800	UD
86-74-8	Carbazole	1800	UD
206-44-0	Fluoranthene	1800	UD
129-00-0	Pyrene	1800	UD
85-68-7	Butylbenzylphthalate	1800	UD
91-94-1	3,3'-Dichlorobenzidine	1800	UD
56-55-3	Benzo[a]anthracene	1800	UD
218-01-9	Chrysene	1800	UD
117-81-7	bis(2-Ethylhexyl)phthalate	270	JD
117-84-0	Di-n-octylphthalate	1800	UD
205-99-2	Benzo[b]fluoranthene	1800	UD
207-08-9	Benzo[k]fluoranthene	1800	UD
50-32-8	Benzo[a]pyrene	1800	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1800	UD
53-70-3	Dibenz[a,h]anthracene	1800	UD
191-24-2	Benzo[g,h,i]perylene	1800	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W8(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #024

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG186.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 8 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1800	UD
108-95-2	Phenol	1800	UD
95-57-8	2-Chlorophenol	1800	UD
541-73-1	1,3-Dichlorobenzene	1800	UD
106-46-7	1,4-Dichlorobenzene	1800	UD
95-50-1	1,2-Dichlorobenzene	1800	UD
108-60-1	bis(2-chloroisopropyl)ether	1800	UD
95-48-7	2-Methylphenol	1800	UD
67-72-1	Hexachloroethane	1800	UD
621-64-7	N-Nitroso-di-n-propylamine	1800	UD
106-44-5	4-Methylphenol	1800	UD
98-95-3	Nitrobenzene	1800	UD
78-59-1	Isophorone	1800	UD
88-75-5	2-Nitrophenol	1800	UD
105-67-9	2,4-Dimethylphenol	1800	UD
111-91-1	bis(2-Chloroethoxy)methane	1800	UD
120-83-2	2,4-Dichlorophenol	1800	UD
120-82-1	1,2,4-Trichlorobenzene	1800	UD
91-20-3	Naphthalene	1800	UD
106-47-8	4-Chloroaniline	1800	UD
87-68-3	Hexachlorobutadiene	1800	UD
59-50-7	4-Chloro-3-methylphenol	1800	UD
91-57-6	2-Methylnaphthalene	1800	UD
77-47-4	Hexachlorocyclopentadiene	1800	UD
88-06-2	2,4,6-Trichlorophenol	1800	UD
95-95-4	2,4,5-Trichlorophenol	4500	UD
91-58-7	2-Chloronaphthalene	1800	UD
88-74-4	2-Nitroaniline	4500	UD
208-96-8	Acenaphthylene	1800	UD
131-11-3	Dimethylphthalate	1800	UD
606-20-2	2,6-Dinitrotoluene	1800	UD
83-32-9	Acenaphthene	1800	UD
99-09-2	3-Nitroaniline	4500	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W8(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #024

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG186.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 8 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4500	UD
132-64-9	Dibenzofuran	1800	UD
121-14-2	2,4-Dinitrotoluene	1800	UD
100-02-7	4-Nitrophenol	4500	UD
86-73-7	Fluorene	1800	UD
7005-72-3	4-Chlorophenyl-phenylether	1800	UD
84-66-2	Diethylphthalate	1800	UD
100-01-6	4-Nitroaniline	4500	UD
534-52-1	4,6-Dinitro-2-methylphenol	4500	UD
86-30-6	n-Nitrosodiphenylamine	1800	UD
101-55-3	4-Bromophenyl-phenylether	1800	UD
118-74-1	Hexachlorobenzene	1800	UD
87-86-5	Pentachlorophenol	4500	UD
85-01-8	Phenanthrene	1800	UD
120-12-7	Anthracene	1800	UD
84-74-2	Di-n-butylphthalate	1800	UD
86-74-8	Carbazole	1800	UD
206-44-0	Fluoranthene	1800	UD
129-00-0	Pyrene	1800	UD
85-68-7	Butylbenzylphthalate	1800	UD
91-94-1	3,3'-Dichlorobenzidine	1800	UD
56-55-3	Benzo[a]anthracene	1800	UD
218-01-9	Chrysene	1800	UD
117-81-7	bis(2-Ethylhexyl)phthalate	220	JD
117-84-0	Di-n-octylphthalate	1800	UD
205-99-2	Benzo[b]fluoranthene	1800	UD
207-08-9	Benzo[k]fluoranthene	1800	UD
50-32-8	Benzo[a]pyrene	1800	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1800	UD
53-70-3	Dibenz[a,h]anthracene	1800	UD
191-24-2	Benzo[g,h,i]perylene	1800	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W9(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #022

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG184.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	940	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W9(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #022

Sample wt/vol: 30.1 (g/mL) G Lab File ID: DG184.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	940	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	940	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	270	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W10(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #023

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG185.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 11 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	bis(2-chloroisopropyl)ether	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U
99-09-2	3-Nitroaniline	930	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W10(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #023

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG185.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 11 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	930	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
100-02-7	4-Nitrophenol	930	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
86-74-8	Carbazole	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo[a]anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	98	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo[b]fluoranthene	370	U
207-08-9	Benzo[k]fluoranthene	370	U
50-32-8	Benzo[a]pyrene	370	U
193-39-5	Indeno[1,2,3-cd]pyrene	370	U
53-70-3	Dibenz[a,h]anthracene	370	U
191-24-2	Benzo[g,h,i]perylene	370	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W11(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #012

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG170.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	940	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	U
99-09-2	3-Nitroaniline	940	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W11(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #012

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG170.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 12 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	940	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
100-02-7	4-Nitrophenol	940	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	74	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno[1,2,3-cd]pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W12(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #021

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG183.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	1900	UD
108-95-2	Phenol	1900	UD
95-57-8	2-Chlorophenol	1900	UD
541-73-1	1,3-Dichlorobenzene	1900	UD
106-46-7	1,4-Dichlorobenzene	1900	UD
95-50-1	1,2-Dichlorobenzene	1900	UD
108-60-1	bis(2-chloroisopropyl)ether	1900	UD
95-48-7	2-Methylphenol	1900	UD
67-72-1	Hexachloroethane	1900	UD
621-64-7	N-Nitroso-di-n-propylamine	1900	UD
106-44-5	4-Methylphenol	1900	UD
98-95-3	Nitrobenzene	1900	UD
78-59-1	Isophorone	1900	UD
88-75-5	2-Nitrophenol	1900	UD
105-67-9	2,4-Dimethylphenol	1900	UD
111-91-1	bis(2-Chloroethoxy)methane	1900	UD
120-83-2	2,4-Dichlorophenol	1900	UD
120-82-1	1,2,4-Trichlorobenzene	1900	UD
91-20-3	Naphthalene	1900	UD
106-47-8	4-Chloroaniline	1900	UD
87-68-3	Hexachlorobutadiene	1900	UD
59-50-7	4-Chloro-3-methylphenol	1900	UD
91-57-6	2-Methylnaphthalene	1900	UD
77-47-4	Hexachlorocyclopentadiene	1900	UD
88-06-2	2,4,6-Trichlorophenol	1900	UD
95-95-4	2,4,5-Trichlorophenol	4700	UD
91-58-7	2-Chloronaphthalene	1900	UD
88-74-4	2-Nitroaniline	4700	UD
208-96-8	Acenaphthylene	1900	UD
131-11-3	Dimethylphthalate	1900	UD
606-20-2	2,6-Dinitrotoluene	1900	UD
83-32-9	Acenaphthene	1900	UD
99-09-2	3-Nitroaniline	4700	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W12(2.5+5.5 C)

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #021

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG183.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4700	UD
132-64-9	Dibenzofuran	1900	UD
121-14-2	2,4-Dinitrotoluene	1900	UD
100-02-7	4-Nitrophenol	4700	UD
86-73-7	Fluorene	1900	UD
7005-72-3	4-Chlorophenyl-phenylether	1900	UD
84-66-2	Diethylphthalate	1900	UD
100-01-6	4-Nitroaniline	4700	UD
534-52-1	4,6-Dinitro-2-methylphenol	4700	UD
86-30-6	n-Nitrosodiphenylamine	1900	UD
101-55-3	4-Bromophenyl-phenylether	1900	UD
118-74-1	Hexachlorobenzene	1900	UD
87-86-5	Pentachlorophenol	4700	UD
85-01-8	Phenanthrene	1900	UD
120-12-7	Anthracene	1900	UD
84-74-2	Di-n-butylphthalate	1900	UD
86-74-8	Carbazole	1900	UD
206-44-0	Fluoranthene	1900	UD
129-00-0	Pyrene	1900	UD
85-68-7	Butylbenzylphthalate	1900	UD
91-94-1	3,3'-Dichlorobenzidine	1900	UD
56-55-3	Benzo[a]anthracene	1900	UD
218-01-9	Chrysene	1900	UD
117-81-7	bis(2-Ethylhexyl)phthalate	1900	UD
117-84-0	Di-n-octylphthalate	1900	UD
205-99-2	Benzo[b]fluoranthene	1900	UD
207-08-9	Benzo[k]fluoranthene	1900	UD
50-32-8	Benzo[a]pyrene	1900	UD
193-39-5	Indeno[1,2,3-cd]pyrene	1900	UD
53-70-3	Dibenz[a,h]anthracene	1900	UD
191-24-2	Benzo[g,h,i]perylene	1900	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK02

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: WG395-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG163.D

Level: (low/med) Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
111-44-4	bis(2-Chloroethyl)ether	330	U
108-95-2	Phenol	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
108-60-1	bis(2-chloroisopropyl)ether	330	U
95-48-7	2-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
106-44-5	4-Methylphenol	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
208-96-8	Acenaphthylene	330	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
83-32-9	Acenaphthene	330	U
99-09-2	3-Nitroaniline	830	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK02

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: WG395-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG163.D

Level: (low/med) _____ Date Received: _____

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/19/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
100-02-7	4-Nitrophenol	830	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
84-66-2	Diethylphthalate	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	n-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
86-74-8	Carbazole	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo[a]anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo[b]fluoranthene	330	U
207-08-9	Benzo[k]fluoranthene	330	U
50-32-8	Benzo[a]pyrene	330	U
193-39-5	Indeno[1,2,3-cd]pyrene	330	U
53-70-3	Dibenz[a,h]anthracene	330	U
191-24-2	Benzo[g,h,i]perylene	330	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK03MS

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG395-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG164.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	330	U
108-95-2	Phenol	2400	
95-57-8	2-Chlorophenol	2500	
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	2200	
95-50-1	1,2-Dichlorobenzene	330	U
108-60-1	bis(2-chloroisopropyl)ether	330	U
95-48-7	2-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
621-64-7	N-Nitroso-di-n-propylamine	2400	
106-44-5	4-Methylphenol	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	2100	
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	2600	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
208-96-8	Acenaphthylene	330	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
83-32-9	Acenaphthene	2400	
99-09-2	3-Nitroaniline	830	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK03MS

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: WG395-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG164.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	1900	
100-02-7	4-Nitrophenol	2200	
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
84-66-2	Diethylphthalate	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	n-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1900	
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
86-74-8	Carbazole	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	1900	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo[a]anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo[b]fluoranthene	330	U
207-08-9	Benzo[k]fluoranthene	330	U
50-32-8	Benzo[a]pyrene	330	U
193-39-5	Indeno[1,2,3-cd]pyrene	330	U
53-70-3	Dibenz[a,h]anthracene	330	U
191-24-2	Benzo[g,h,i]perylene	330	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W6(2.5+5.5 C)MS

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #034MS

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG206.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	2700	
95-57-8	2-Chlorophenol	2700	
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	2700	
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	bis(2-chloroisopropyl)ether	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	2800	
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	2800	
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	2900	
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	2900	
99-09-2	3-Nitroaniline	950	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W6(2.5+5.5 C)MS

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #034MS

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG206.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 13 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	2200	
100-02-7	4-Nitrophenol	4100	
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	3100	
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
86-74-8	Carbazole	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	1700	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo[a]anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	2300	
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo[b]fluoranthene	380	U
207-08-9	Benzo[k]fluoranthene	380	U
50-32-8	Benzo[a]pyrene	380	U
193-39-5	Indeno[1,2,3-cd]pyrene	380	U
53-70-3	Dibenz[a,h]anthracene	380	U
191-24-2	Benzo[g,h,i]perylene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V8(2.5+5.5 C)MS

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #013MS

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 0G172.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	390	U
108-95-2	Phenol	2300	
95-57-8	2-Chlorophenol	2200	
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	1700	
95-50-1	1,2-Dichlorobenzene	390	U
108-60-1	bis(2-chloroisopropyl)ether	390	U
95-48-7	2-Methylphenol	390	U
67-72-1	Hexachloroethane	390	U
621-64-7	N-Nitroso-di-n-propylamine	2000	
106-44-5	4-Methylphenol	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	1700	
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	2200	
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
208-96-8	Acenaphthylene	390	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
83-32-9	Acenaphthene	2000	
99-09-2	3-Nitroaniline	980	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V8(2.5+5.5 C)MS

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #013MS

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG172.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	980	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	1200	
100-02-7	4-Nitrophenol	1000	
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
84-66-2	Diethylphthalate	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	n-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	750	J
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	390	U
86-74-8	Carbazole	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo[a]anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo[b]fluoranthene	390	U
207-08-9	Benzo[k]fluoranthene	390	U
50-32-8	Benzo[a]pyrene	390	U
193-39-5	Indeno[1,2,3-cd]pyrene	390	U
53-70-3	Dibenz[a,h]anthracene	390	U
191-24-2	Benzo[g,h,i]perylene	390	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V8(2.5+5.5 C)MSD

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #013MSD

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG173.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	390	U
108-95-2	Phenol	2700	
95-57-8	2-Chlorophenol	2600	
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	2200	
95-50-1	1,2-Dichlorobenzene	390	U
108-60-1	bis(2-chloroisopropyl)ether	390	U
95-48-7	2-Methylphenol	390	U
67-72-1	Hexachloroethane	390	U
621-64-7	N-Nitroso-di-n-propylamine	2500	
106-44-5	4-Methylphenol	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	2100	
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	2600	
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
208-96-8	Acenaphthylene	390	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
83-32-9	Acenaphthene	2400	
99-09-2	3-Nitroaniline	970	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V8(2.5+5.5 C)MSD

Lab Name: AENI Contract: VAN50

Project No.: 9707090 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #013MSD

Sample wt/vol: 30.3 (g/mL) G Lab File ID: DG173.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/21/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	970	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	1500	
100-02-7	4-Nitrophenol	1600	
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
84-66-2	Diethylphthalate	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	n-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	1400	
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	390	U
86-74-8	Carbazole	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo[a]anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo[b]fluoranthene	390	U
207-08-9	Benzo[k]fluoranthene	390	U
50-32-8	Benzo[a]pyrene	390	U
193-39-5	Indeno[1,2,3-cd]pyrene	390	U
53-70-3	Dibenz[a,h]anthracene	390	U
191-24-2	Benzo[g,h,i]perylene	390	U

American Environmental Network, Inc.

Case Number: L9707088
Client Name: Van Waters & Rogers, Inc.
Project Name: VWR-SANTE FE SPRINGS
Method: 8260A

Client ID	AEN ID	Matrix	Date Sampled	Date Received	Date Analyzed
B2-3.0	L9707088-001	Soil	07/17/97	07/18/97	07/18/97
B1-3.0	L9707088-002	Soil	07/17/97	07/18/97	07/18/97
V3-3.0	L9707088-003	Soil	07/17/97	07/18/97	07/18/97
V2-3.0	L9707088-004	Soil	07/17/97	07/18/97	07/18/97
V6-3.0	L9707088-005	Soil	07/17/97	07/18/97	07/18/97
V7-3.0	L9707088-006	Soil	07/17/97	07/18/97	07/18/97
V4-3.0	L9707088-007	Soil	07/17/97	07/18/97	07/18/97
V5-3.0	L9707088-008	Soil	07/17/97	07/18/97	07/18/97
V10-3.0	L9707088-009	Soil	07/17/97	07/18/97	07/23/97
V11-3.0	L9707088-010	Soil	07/17/97	07/18/97	07/19/97
W1-3.0	L9707088-011	Soil	07/16/97	07/18/97	07/19/97
W11-3.0	L9707088-012	Soil	07/16/97	07/18/97	07/19/97
V8-3.0	L9707088-013	Soil	07/17/97	07/18/97	07/19/97
V12-3.0	L9707088-014	Soil	07/17/97	07/18/97	07/19/97
B4-3.0	L9707088-015	Soil	07/17/97	07/18/97	07/19/97
B3-3.0	L9707088-016	Soil	07/17/97	07/18/97	07/19/97
T5-3.0	L9707088-017	Soil	07/16/97	07/18/97	07/19/97
V1-3.0	L9707088-018	Soil	07/16/97	07/18/97	07/19/97
W5-3.0	L9707088-019	Soil	07/16/97	07/18/97	07/19/97
W4-3.0	L9707088-020	Soil	07/16/97	07/18/97	07/19/97
W12-3.0	L9707088-021	Soil	07/16/97	07/18/97	07/22/97
W9-3.0	L9707088-022	Soil	07/16/97	07/18/97	07/22/97
W10-3.0	L9707088-023	Soil	07/16/97	07/18/97	07/22/97
W8-3.0	L9707088-024	Soil	07/16/97	07/18/97	07/22/97
W7-3.0	L9707088-025	Soil	07/16/97	07/18/97	07/22/97
W2-3.0	L9707088-026	Soil	07/16/97	07/18/97	07/22/97
T1-3.0	L9707088-027	Soil	07/16/97	07/18/97	07/22/97
T2-3.0	L9707088-028	Soil	07/16/97	07/18/97	07/22/97
T3-3.0	L9707088-029	Soil	07/16/97	07/18/97	07/22/97
T4-3.0	L9707088-030	Soil	07/16/97	07/18/97	07/22/97
V13-3.0	L9707088-031	Soil	07/16/97	07/18/97	07/22/97
V9-3.0	L9707088-032	Soil	07/16/97	07/18/97	07/22/97
W3-3.0	L9707088-033	Soil	07/16/97	07/18/97	07/23/97
W6-3.0	L9707088-034	Soil	07/16/97	07/18/97	07/23/97

Thirty-four soil samples were analyzed for the 8260 volatile organic compound list using SW846 Method 8260A. This package consists of the tabulated results of the sample(s), method blank(s), and the QC forms II, III, and IV.

Form I(Tabulated Results):
All sample analyses were performed within the holding time requirement.

Form II(Surrogate Recovery):
All surrogate recoveries were within specified limits.

Form III(Matrix Spike/Matrix Spike Duplicate(MS/MSD):
MS/MSD analyses were performed on client samples V10-3.0 and AEN sample 9707103-003 (batch [illegible]). All recoveries and %RPDs were within specified limits for both MS/MSD pairs.

Form IV(Method Blank Summary):
Each method blank was free of target analytes with the exception of methylene chloride (ranging between 2.9 - 9.9 µg/L.

Analyst: [signature] Date 7/25/97

Released by: Marsha J Burrell Date 7/25/97

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Level: (low/med) LOW

	SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	OTHER #	TOT OUT
01	VBLK01	104	107	104		
02	B2-3.0	107	112	111		
03	B1-3.0	111	110	113		
04	V3-3.0	84	118	110		
05	V2-3.0	117	115	110		
06	V6-3.0	109	114	122		
07	V7-3.0	108	118	111		
08	V4-3.0	100	98	92		
09	V5-3.0	100	102	102		
10	V10-3.0MS	131	115	110		
11	V10-3.0MSD	111	101	97		
12	VBLK02	139	115	90		
13	V11-3.0	109	108	91		
14	W1-3.0	113	119	84		
15	W11-3.0	104	117	80		
16	V8-3.0	112	117	87		
17	V12-3.0	115	119	92		
18	B4-3.0	110	95	83		
19	B3-3.0	109	106	78		
20	T5-3.0	119	116	81		
21	V1-3.0	115	115	84		
22	W5-3.0	117	118	93		
23	W4-3.0	95	101	87		
24	VBLK03	119	113	77		
25	W12-3.0	115	118	88		
26	W9-3.0	106	102	90		
27	W10-3.0	102	100	97		
28	W8-3.0	102	116	83		
29	W7-3.0	122	110	73		
30	W2-3.0	112	111	74		

	QC LIMITS
SMC1 = Dibromofluoromethane	(66-142)
SMC2 = Toluene-d8	(73-120)
SMC3 = Bromofluorobenzene	(64-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Level: (low/med) LOW

	SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	OTHER #	TOT OUT
01	T1-3.0	101	93	85		
02	T2-3.0	104	103	95		
03	T3-3.0	134	117	84		
04	T4-3.0	121	109	77		
05	V13-3.0	118	107	81		
06	V9-3.0	119	103	75		
07	VBLK04	115	104	107		
08	V10-3.0	105	99	100		
09	W3-3.0	109	106	104		
10	W6-3.0	110	105	99		
11	9707103-003	112	100	94		
12	9707103-003MS	100	90	82		
13	9707103-003MS	98	91	83		
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		QC LIMITS
SMC1	= Dibromofluoromethane	(66-142)
SMC2	= Toluene-d8	(73-120)
SMC3	= Bromofluorobenzene	(64-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Matrix Spike - Sample No.: 9707103-003 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	43	86	(59-172)
Benzene	50	0	48	96	(66-142)
Trichloroethene	50	0	39	78	(62-137)
Chlorobenzene	50	0	41	82	(60-133)
Toluene	50	0	43	86	(59-139)

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MS % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	44	88	2	22	(59-172)
Benzene	50	49	98	2	21	(66-142)
Trichloroethene	50	39	78	0	24	(62-137)
Chlorobenzene	50	41	82	0	21	(60-133)
Toluene	50	46	92	7	21	(59-139)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

Comments: _____

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Matrix Spike - Sample No.: V10-3.0 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	53	106	(59-172)
Benzene	50	0	49	98	(66-142)
Trichloroethene	50	0	47	94	(62-137)
Chlorobenzene	50	0	47	94	(60-133)
Toluene	50	0	52	104	(59-139)

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MS % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	51	102	4	22	(59-172)
Benzene	50	50	100	2	21	(66-142)
Trichloroethene	50	39	78	19	24	(62-137)
Chlorobenzene	50	44	88	7	21	(60-133)
Toluene	50	49	98	6	21	(59-139)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

Comments: _____

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

VBLK01

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Lab File ID: EG140.D Lab Sample ID: 970718ES

Date Analyzed: 7/18/97 Time Analyzed: 1753

GC Column: CAP ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: E7200

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	B2-3.0	#001	EG141.D	7/18/97
02	B1-3.0	#002	EG142.D	7/18/97
03	V3-3.0	#003	EG143.D	7/18/97
04	V2-3.0	#004	EG144.D	7/18/97
05	V6-3.0	#005	EG145.D	7/18/97
06	V7-3.0	#006	EG146.D	7/18/97
07	V4-3.0	#007	EG147.D	7/18/97
08	V5-3.0	#008	EG148.D	7/18/97
09	V10-3.0MS	#009 MS	EG150.D	7/18/97
10	V10-3.0MSD	#009 MSD	EG151.D	7/18/97
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

VBLK02

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Lab File ID: FG096.D Lab Sample ID: 970718FS

Date Analyzed: 7/19/97 Time Analyzed: 0607

GC Column: CAP ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: F7200

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	V11-3.0	#010	FG097.D	7/19/97
02	W1-3.0	#011	FG098.D	7/19/97
03	W11-3.0	#012	FG099.D	7/19/97
04	V8-3.0	#013	FG100.D	7/19/97
05	V12-3.0	#014	FG101.D	7/19/97
06	B4-3.0	#015	FG102.D	7/19/97
07	B3-3.0	#016	FG103.D	7/19/97
08	T5-3.0	#017	FG104.D	7/19/97
09	V1-3.0	#018	FG105.D	7/19/97
10	W5-3.0	#019	FG106.D	7/19/97
11	W4-3.0	#020	FG107.D	7/19/97
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

VBLK03

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Lab File ID: FG110.D Lab Sample ID: 970721FS

Date Analyzed: 7/22/97 Time Analyzed: 0127

GC Column: CAP ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: F7200

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	W12-3.0	#021	FG111.D	7/22/97
02	W9-3.0	#022	FG112.D	7/22/97
03	W10-3.0	#023	FG113.D	7/22/97
04	W8-3.0	#024	FG114.D	7/22/97
05	W7-3.0	#025	FG115.D	7/22/97
06	W2-3.0	#026	FG116.D	7/22/97
07	T1-3.0	#027	FG117.D	7/22/97
08	T2-3.0	#028	FG118.D	7/22/97
09	T3-3.0	#029	FG119.D	7/22/97
10	T4-3.0	#030	FG120.D	7/22/97
11	V13-3.0	#031	FG121.D	7/22/97
12	V9-3.0	#032	FG122.D	7/22/97
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

VBLK04

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Lab File ID: EG154.D Lab Sample ID: 970723ES

Date Analyzed: 7/23/97 Time Analyzed: 1351

GC Column: CAP ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: E7200

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	V10-3.0	#009	EG155.D	7/23/97
02	W3-3.0	#033	EG156.D	7/23/97
03	W6-3.0	#034	EG157.D	7/23/97
04	9707103-003	QC	EG163.D	7/23/97
05	9707103-003MS	QC MS	EG164.D	7/23/97
06	9707103-003MSD	QC MSD	EG165.D	7/23/97
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COMMENTS:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V1-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #018

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG105.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 10 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.6	U
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-69-4	Trichlorofluoromethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
75-09-2	Methylene Chloride	2.7	JB
156-60-5	trans-1,2-Dichloroethene	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
594-20-7	2,2-Dichloropropane	5.6	U
156-59-2	cis-1,2-Dichloroethene	5.6	U
67-66-3	Chloroform	5.6	U
74-97-5	Bromochloromethane	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
563-58-6	1,1-Dichloropropene	5.6	U
56-23-5	Carbon Tetrachloride	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
71-43-2	Benzene	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
74-95-3	Dibromomethane	5.6	U
108-88-3	Toluene	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
106-93-4	1,2-Dibromoethane	5.6	U
142-28-9	1,3-Dichloropropane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
124-48-1	Dibromochloromethane	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethylbenzene	5.6	U
630-20-6	1,1,1,2-Tetrachloroethane	5.6	U
108-38-3	m + p-Xylene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V1-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #018

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG105.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 10 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.6	U
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
98-82-8	Isopropylbenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
96-18-4	1,2,3-Trichloropropane	5.6	U
103-65-1	n-Propylbenzene	5.6	U
108-86-1	Bromobenzene	5.6	U
108-67-8	1,3,5-Trimethylbenzene	5.6	U
106-43-4	4-Chlorotoluene	5.6	U
95-49-8	2-Chlorotoluene	5.6	U
98-06-6	tert-Butylbenzene	5.6	U
95-63-6	1,2,4-Trimethylbenzene	5.6	U
135-98-8	sec-Butylbenzene	5.6	U
99-87-6	p-Isopropyltoluene	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
104-51-8	n-Butylbenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U
87-68-3	Hexachlorobutadiene	5.6	U
91-20-3	Naphthalene	5.6	U
87-61-6	1,2,3-Trichlorobenzene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V2-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #004

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG144.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 10 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.6	U
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-69-4	Trichlorofluoromethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
75-09-2	Methylene Chloride	4.8	JB
156-60-5	trans-1,2-Dichloroethene	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
594-20-7	2,2-Dichloropropane	5.6	U
156-59-2	cis-1,2-Dichloroethene	5.6	U
67-66-3	Chloroform	5.6	U
74-97-5	Bromochloromethane	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
563-58-6	1,1-Dichloropropene	5.6	U
56-23-5	Carbon Tetrachloride	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
71-43-2	Benzene	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
74-95-3	Dibromomethane	5.6	U
108-88-3	Toluene	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
106-93-4	1,2-Dibromoethane	5.6	U
142-28-9	1,3-Dichloropropane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
124-48-1	Dibromochloromethane	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethylbenzene	5.6	U
630-20-6	1,1,1,2-Tetrachloroethane	5.6	U
108-38-3	m + p-Xylene	5.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
V2-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #004

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG144.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 10 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.6	U
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
98-82-8	Isopropylbenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
96-18-4	1,2,3-Trichloropropane	5.6	U
103-65-1	n-Propylbenzene	5.6	U
108-86-1	Bromobenzene	5.6	U
108-67-8	1,3,5-Trimethylbenzene	5.6	U
106-43-4	4-Chlorotoluene	5.6	U
95-49-8	2-Chlorotoluene	5.6	U
98-06-6	tert-Butylbenzene	5.6	U
95-63-6	1,2,4-Trimethylbenzene	5.6	U
135-98-8	sec-Butylbenzene	5.6	U
99-87-6	p-Isopropyltoluene	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
104-51-8	n-Butylbenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U
87-68-3	Hexachlorobutadiene	5.6	U
91-20-3	Naphthalene	5.6	U
87-61-6	1,2,3-Trichlorobenzene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V3-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG143.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 11 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.6	U
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-69-4	Trichlorofluoromethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
75-09-2	Methylene Chloride	5.6	U
156-60-5	trans-1,2-Dichloroethene	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
594-20-7	2,2-Dichloropropane	5.6	U
156-59-2	cis-1,2-Dichloroethene	5.6	U
67-66-3	Chloroform	5.6	U
74-97-5	Bromochloromethane	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
563-58-6	1,1-Dichloropropene	5.6	U
56-23-5	Carbon Tetrachloride	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
71-43-2	Benzene	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
74-95-3	Dibromomethane	5.6	U
108-88-3	Toluene	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
106-93-4	1,2-Dibromoethane	5.6	U
142-28-9	1,3-Dichloropropane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
124-48-1	Dibromochloromethane	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethylbenzene	5.6	U
630-20-6	1,1,1,2-Tetrachloroethane	5.6	U
108-38-3	m + p-Xylene	5.6	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V3-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG143.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 11 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.6	U
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
98-82-8	Isopropylbenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
96-18-4	1,2,3-Trichloropropane	5.6	U
103-65-1	n-Propylbenzene	5.6	U
108-86-1	Bromobenzene	5.6	U
108-67-8	1,3,5-Trimethylbenzene	5.6	U
106-43-4	4-Chlorotoluene	5.6	U
95-49-8	2-Chlorotoluene	5.6	U
98-06-6	tert-Butylbenzene	5.6	U
95-63-6	1,2,4-Trimethylbenzene	5.6	U
135-98-8	sec-Butylbenzene	5.6	U
99-87-6	p-Isopropyltoluene	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
104-51-8	n-Butylbenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U
87-68-3	Hexachlorobutadiene	5.6	U
91-20-3	Naphthalene	3	J
87-61-6	1,2,3-Trichlorobenzene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V4-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #007

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG147.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 14 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: ug/Kg

CAS No.	Compound	(ug/L or ug/Kg)	Q
75-71-8	Dichlorodifluoromethane	5.8	U
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl Chloride	5.8	U
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorofluoromethane	5.8	U
75-35-4	1,1-Dichloroethene	5.8	U
75-09-2	Methylene Chloride	5.8	U
156-60-5	trans-1,2-Dichloroethene	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
594-20-7	2,2-Dichloropropane	5.8	U
156-59-2	cis-1,2-Dichloroethene	5.8	U
67-66-3	Chloroform	5.8	U
74-97-5	Bromochloromethane	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
563-58-6	1,1-Dichloropropene	5.8	U
56-23-5	Carbon Tetrachloride	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
71-43-2	Benzene	1.9	J
79-01-6	Trichloroethene	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
74-95-3	Dibromomethane	5.8	U
108-88-3	Toluene	2.6	J
79-00-5	1,1,2-Trichloroethane	5.8	U
106-93-4	1,2-Dibromoethane	5.8	U
142-28-9	1,3-Dichloropropane	5.8	U
127-18-4	Tetrachloroethene	5.8	U
124-48-1	Dibromochloromethane	5.8	U
108-90-7	Chlorobenzene	5.8	U
100-41-4	Ethylbenzene	5.8	U
630-20-6	1,1,1,2-Tetrachloroethane	5.8	U
108-38-3	m + p-Xylene	5.8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V4-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #007

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG147.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 14 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
96-18-4	1,2,3-Trichloropropane	5.8	U
103-65-1	n-Propylbenzene	5.8	U
108-86-1	Bromobenzene	5.8	U
108-67-8	1,3,5-Trimethylbenzene	5.8	U
106-43-4	4-Chlorotoluene	5.8	U
95-49-8	2-Chlorotoluene	5.8	U
98-06-6	tert-Butylbenzene	5.8	U
95-63-6	1,2,4-Trimethylbenzene	5.8	U
135-98-8	sec-Butylbenzene	5.8	U
99-87-6	p-Isopropyltoluene	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
104-51-8	n-Butylbenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U
120-82-1	1,2,4-Trichlorobenzene	5.8	U
87-68-3	Hexachlorobutadiene	5.8	U
91-20-3	Naphthalene	5.8	U
87-61-6	1,2,3-Trichlorobenzene	5.8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V5-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #008

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG148.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 17 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	6	U
74-87-3	Chloromethane	6	U
75-01-4	Vinyl Chloride	6	U
74-83-9	Bromomethane	6	U
75-00-3	Chloroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
75-35-4	1,1-Dichloroethene	6	U
75-09-2	Methylene Chloride	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
594-20-7	2,2-Dichloropropane	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
67-66-3	Chloroform	6	U
74-97-5	Bromochloromethane	6	U
71-55-6	1,1,1-Trichloroethane	6	U
563-58-6	1,1-Dichloropropene	6	U
56-23-5	Carbon Tetrachloride	6	U
107-06-2	1,2-Dichloroethane	6	U
71-43-2	Benzene	6	U
79-01-6	Trichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
75-27-4	Bromodichloromethane	6	U
74-95-3	Dibromomethane	6	U
108-88-3	Toluene	6	U
79-00-5	1,1,2-Trichloroethane	6	U
106-93-4	1,2-Dibromoethane	6	U
142-28-9	1,3-Dichloropropane	6	U
127-18-4	Tetrachloroethene	4.4	J
124-48-1	Dibromochloromethane	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
630-20-6	1,1,1,2-Tetrachloroethane	6	U
108-38-3	m + p-Xylene	6	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
V5-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #008

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG148.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 17 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	6	U
100-42-5	Styrene	6	U
75-25-2	Bromoform	6	U
98-82-8	Isopropylbenzene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
96-18-4	1,2,3-Trichloropropane	6	U
103-65-1	n-Propylbenzene	6	U
108-86-1	Bromobenzene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
106-43-4	4-Chlorotoluene	6	U
95-49-8	2-Chlorotoluene	6	U
98-06-6	tert-Butylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
99-87-6	p-Isopropyltoluene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
104-51-8	n-Butylbenzene	6	U
95-50-1	1,2-Dichlorobenzene	6	U
96-12-8	1,2-Dibromo-3-Chloropropane	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
87-68-3	Hexachlorobutadiene	6	U
91-20-3	Naphthalene	6	U
87-61-6	1,2,3-Trichlorobenzene	6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V6-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #005

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG145.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 29 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	7	U
74-87-3	Chloromethane	7	U
75-01-4	Vinyl Chloride	7	U
74-83-9	Bromomethane	7	U
75-00-3	Chloroethane	7	U
75-69-4	Trichlorofluoromethane	7	U
75-35-4	1,1-Dichloroethene	7	U
75-09-2	Methylene Chloride	8.5	B
156-60-5	trans-1,2-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
594-20-7	2,2-Dichloropropane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
67-66-3	Chloroform	7	U
74-97-5	Bromochloromethane	7	U
71-55-6	1,1,1-Trichloroethane	7	U
563-58-6	1,1-Dichloropropene	7	U
56-23-5	Carbon Tetrachloride	7	U
107-06-2	1,2-Dichloroethane	7	U
71-43-2	Benzene	7	U
79-01-6	Trichloroethene	7	U
78-87-5	1,2-Dichloropropane	7	U
75-27-4	Bromodichloromethane	7	U
74-95-3	Dibromomethane	7	U
108-88-3	Toluene	7	U
79-00-5	1,1,2-Trichloroethane	7	U
106-93-4	1,2-Dibromoethane	7	U
142-28-9	1,3-Dichloropropane	7	U
127-18-4	Tetrachloroethene	7	U
124-48-1	Dibromochloromethane	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
630-20-6	1,1,1,2-Tetrachloroethane	7	U
108-38-3	m + p-Xylene	7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
V6-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #005

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG145.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 29 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	7	U
100-42-5	Styrene	7	U
75-25-2	Bromoform	7	U
98-82-8	Isopropylbenzene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
96-18-4	1,2,3-Trichloropropane	7	U
103-65-1	n-Propylbenzene	7	U
108-86-1	Bromobenzene	7	U
108-67-8	1,3,5-Trimethylbenzene	7	U
106-43-4	4-Chlorotoluene	7	U
95-49-8	2-Chlorotoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	p-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U
96-12-8	1,2-Dibromo-3-Chloropropane	7	U
120-82-1	1,2,4-Trichlorobenzene	7	U
87-68-3	Hexachlorobutadiene	7	U
91-20-3	Naphthalene	7	U
87-61-6	1,2,3-Trichlorobenzene	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V7-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #006

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG146.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 31 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	7.2	U
74-87-3	Chloromethane	7.2	U
75-01-4	Vinyl Chloride	7.2	U
74-83-9	Bromomethane	7.2	U
75-00-3	Chloroethane	7.2	U
75-69-4	Trichlorofluoromethane	7.2	U
75-35-4	1,1-Dichloroethene	7.2	U
75-09-2	Methylene Chloride	7.2	U
156-60-5	trans-1,2-Dichloroethene	7.2	U
75-34-3	1,1-Dichloroethane	7.2	U
594-20-7	2,2-Dichloropropane	7.2	U
156-59-2	cis-1,2-Dichloroethene	7.2	U
67-66-3	Chloroform	7.2	U
74-97-5	Bromochloromethane	7.2	U
71-55-6	1,1,1-Trichloroethane	7.2	U
563-58-6	1,1-Dichloropropene	7.2	U
56-23-5	Carbon Tetrachloride	7.2	U
107-06-2	1,2-Dichloroethane	7.2	U
71-43-2	Benzene	7.2	U
79-01-6	Trichloroethene	7.2	U
78-87-5	1,2-Dichloropropane	7.2	U
75-27-4	Bromodichloromethane	7.2	U
74-95-3	Dibromomethane	7.2	U
108-88-3	Toluene	7.2	U
79-00-5	1,1,2-Trichloroethane	7.2	U
106-93-4	1,2-Dibromoethane	7.2	U
142-28-9	1,3-Dichloropropane	7.2	U
127-18-4	Tetrachloroethene	7.2	U
124-48-1	Dibromochloromethane	7.2	U
108-90-7	Chlorobenzene	7.2	U
100-41-4	Ethylbenzene	7.2	U
630-20-6	1,1,1,2-Tetrachloroethane	7.2	U
108-38-3	m + p-Xylene	7.2	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V7-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #006

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG146.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 31 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	7.2	U
100-42-5	Styrene	7.2	U
75-25-2	Bromoform	7.2	U
98-82-8	Isopropylbenzene	7.2	U
79-34-5	1,1,2,2-Tetrachloroethane	7.2	U
96-18-4	1,2,3-Trichloropropane	7.2	U
103-65-1	n-Propylbenzene	7.2	U
108-86-1	Bromobenzene	7.2	U
108-67-8	1,3,5-Trimethylbenzene	7.2	U
106-43-4	4-Chlorotoluene	7.2	U
95-49-8	2-Chlorotoluene	7.2	U
98-06-6	tert-Butylbenzene	7.2	U
95-63-6	1,2,4-Trimethylbenzene	7.2	U
135-98-8	sec-Butylbenzene	7.2	U
99-87-6	p-Isopropyltoluene	7.2	U
541-73-1	1,3-Dichlorobenzene	7.2	U
106-46-7	1,4-Dichlorobenzene	7.2	U
104-51-8	n-Butylbenzene	7.2	U
95-50-1	1,2-Dichlorobenzene	7.2	U
96-12-8	1,2-Dibromo-3-Chloropropane	7.2	U
120-82-1	1,2,4-Trichlorobenzene	7.2	U
87-68-3	Hexachlorobutadiene	7.2	U
91-20-3	Naphthalene	7.2	U
87-61-6	1,2,3-Trichlorobenzene	7.2	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V8-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #013

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG100.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 19 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	6.2	U
74-87-3	Chloromethane	6.2	U
75-01-4	Vinyl Chloride	6.2	U
74-83-9	Bromomethane	6.2	U
75-00-3	Chloroethane	6.2	U
75-69-4	Trichlorofluoromethane	6.2	U
75-35-4	1,1-Dichloroethene	6.2	U
75-09-2	Methylene Chloride	4.7	JB
156-60-5	trans-1,2-Dichloroethene	6.2	U
75-34-3	1,1-Dichloroethane	6.2	U
594-20-7	2,2-Dichloropropane	6.2	U
156-59-2	cis-1,2-Dichloroethene	6.2	U
67-66-3	Chloroform	6.2	U
74-97-5	Bromochloromethane	6.2	U
71-55-6	1,1,1-Trichloroethane	6.2	U
563-58-6	1,1-Dichloropropene	6.2	U
56-23-5	Carbon Tetrachloride	6.2	U
107-06-2	1,2-Dichloroethane	6.2	U
71-43-2	Benzene	6.2	U
79-01-6	Trichloroethene	6.2	U
78-87-5	1,2-Dichloropropane	6.2	U
75-27-4	Bromodichloromethane	6.2	U
74-95-3	Dibromomethane	6.2	U
108-88-3	Toluene	6.2	U
79-00-5	1,1,2-Trichloroethane	6.2	U
106-93-4	1,2-Dibromoethane	6.2	U
142-28-9	1,3-Dichloropropane	6.2	U
127-18-4	Tetrachloroethene	6.2	U
124-48-1	Dibromochloromethane	6.2	U
108-90-7	Chlorobenzene	6.2	U
100-41-4	Ethylbenzene	6.2	U
630-20-6	1,1,1,2-Tetrachloroethane	6.2	U
108-38-3	m + p-Xylene	6.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
V8-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #013

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG100.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 19 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	6.2	U
100-42-5	Styrene	6.2	U
75-25-2	Bromoform	6.2	U
98-82-8	Isopropylbenzene	6.2	U
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U
96-18-4	1,2,3-Trichloropropane	6.2	U
103-65-1	n-Propylbenzene	6.2	U
108-86-1	Bromobenzene	6.2	U
108-67-8	1,3,5-Trimethylbenzene	6.2	U
106-43-4	4-Chlorotoluene	6.2	U
95-49-8	2-Chlorotoluene	6.2	U
98-06-6	tert-Butylbenzene	6.2	U
95-63-6	1,2,4-Trimethylbenzene	6.2	U
135-98-8	sec-Butylbenzene	6.2	U
99-87-6	p-Isopropyltoluene	6.2	U
541-73-1	1,3-Dichlorobenzene	6.2	U
106-46-7	1,4-Dichlorobenzene	6.2	U
104-51-8	n-Butylbenzene	6.2	U
95-50-1	1,2-Dichlorobenzene	6.2	U
96-12-8	1,2-Dibromo-3-Chloropropane	6.2	U
120-82-1	1,2,4-Trichlorobenzene	6.2	U
87-68-3	Hexachlorobutadiene	6.2	U
91-20-3	Naphthalene	6.2	U
87-61-6	1,2,3-Trichlorobenzene	6.2	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V9-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #032

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG122.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 10 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.6	U
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-69-4	Trichlorofluoromethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
75-09-2	Methylene Chloride	5.4	JB
156-60-5	trans-1,2-Dichloroethene	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
594-20-7	2,2-Dichloropropane	5.6	U
156-59-2	cis-1,2-Dichloroethene	5.6	U
67-66-3	Chloroform	5.6	U
74-97-5	Bromochloromethane	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
563-58-6	1,1-Dichloropropene	5.6	U
56-23-5	Carbon Tetrachloride	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
71-43-2	Benzene	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
74-95-3	Dibromomethane	5.6	U
108-88-3	Toluene	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
106-93-4	1,2-Dibromoethane	5.6	U
142-28-9	1,3-Dichloropropane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
124-48-1	Dibromochloromethane	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethylbenzene	5.6	U
630-20-6	1,1,1,2-Tetrachloroethane	5.6	U
108-38-3	m + p-Xylene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V9-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #032

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG122.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 10 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.6	U
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
98-82-8	Isopropylbenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
96-18-4	1,2,3-Trichloropropane	5.6	U
103-65-1	n-Propylbenzene	5.6	U
108-86-1	Bromobenzene	5.6	U
108-67-8	1,3,5-Trimethylbenzene	5.6	U
106-43-4	4-Chlorotoluene	5.6	U
95-49-8	2-Chlorotoluene	5.6	U
98-06-6	tert-Butylbenzene	5.6	U
95-63-6	1,2,4-Trimethylbenzene	5.6	U
135-98-8	sec-Butylbenzene	5.6	U
99-87-6	p-Isopropyltoluene	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
104-51-8	n-Butylbenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U
87-68-3	Hexachlorobutadiene	5.6	U
91-20-3	Naphthalene	5.6	U
87-61-6	1,2,3-Trichlorobenzene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V10-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #009

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG155.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 0 Date Analyzed: 7/23/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	3.9	JB
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
74-97-5	Bromochloromethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
74-95-3	Dibromomethane	5	U
108-88-3	Toluene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
106-93-4	1,2-Dibromoethane	5	U
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
108-38-3	m + p-Xylene	1.8	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V10-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #009

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG155.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 0 Date Analyzed: 7/23/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
108-86-1	Bromobenzene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
95-49-8	2-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	p-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V11-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #010

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG097.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 12 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
75-09-2	Methylene Chloride	5.2	JB
156-60-5	trans-1,2-Dichloroethene	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
594-20-7	2,2-Dichloropropane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
67-66-3	Chloroform	5.7	U
74-97-5	Bromochloromethane	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
563-58-6	1,1-Dichloropropene	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
71-43-2	Benzene	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
74-95-3	Dibromomethane	5.7	U
108-88-3	Toluene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
106-93-4	1,2-Dibromoethane	5.7	U
142-28-9	1,3-Dichloropropane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
124-48-1	Dibromochloromethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
630-20-6	1,1,1,2-Tetrachloroethane	5.7	U
108-38-3	m + p-Xylene	5.7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V11-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #010

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG097.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 12 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: ug/Kg

CAS No.	Compound	(ug/L or ug/Kg)	Q
95-47-6	o-Xylene	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
96-18-4	1,2,3-Trichloropropane	5.7	U
103-65-1	n-Propylbenzene	5.7	U
108-86-1	Bromobenzene	5.7	U
108-67-8	1,3,5-Trimethylbenzene	5.7	U
106-43-4	4-Chlorotoluene	5.7	U
95-49-8	2-Chlorotoluene	5.7	U
98-06-6	tert-Butylbenzene	5.7	U
95-63-6	1,2,4-Trimethylbenzene	5.7	U
135-98-8	sec-Butylbenzene	5.7	U
99-87-6	p-Isopropyltoluene	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
104-51-8	n-Butylbenzene	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-68-3	Hexachlorobutadiene	5.7	U
91-20-3	Naphthalene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V12-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #014

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG101.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 15 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.9	U
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl Chloride	5.9	U
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorofluoromethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
75-09-2	Methylene Chloride	5.9	U
156-60-5	trans-1,2-Dichloroethene	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
594-20-7	2,2-Dichloropropane	5.9	U
156-59-2	cis-1,2-Dichloroethene	5.9	U
67-66-3	Chloroform	5.9	U
74-97-5	Bromochloromethane	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U
563-58-6	1,1-Dichloropropene	5.9	U
56-23-5	Carbon Tetrachloride	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
71-43-2	Benzene	5.9	U
79-01-6	Trichloroethene	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
74-95-3	Dibromomethane	5.9	U
108-88-3	Toluene	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
106-93-4	1,2-Dibromoethane	5.9	U
142-28-9	1,3-Dichloropropane	5.9	U
127-18-4	Tetrachloroethene	5.9	U
124-48-1	Dibromochloromethane	5.9	U
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethylbenzene	5.9	U
630-20-6	1,1,1,2-Tetrachloroethane	5.9	U
108-38-3	m + p-Xylene	5.9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V12-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #014

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG101.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 15 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
95-47-6	o-Xylene	5.9	U
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
96-18-4	1,2,3-Trichloropropane	5.9	U
103-65-1	n-Propylbenzene	5.9	U
108-86-1	Bromobenzene	5.9	U
108-67-8	1,3,5-Trimethylbenzene	5.9	U
106-43-4	4-Chlorotoluene	5.9	U
95-49-8	2-Chlorotoluene	5.9	U
98-06-6	tert-Butylbenzene	5.9	U
95-63-6	1,2,4-Trimethylbenzene	5.9	U
135-98-8	sec-Butylbenzene	5.9	U
99-87-6	p-Isopropyltoluene	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
104-51-8	n-Butylbenzene	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U
120-82-1	1,2,4-Trichlorobenzene	5.9	U
87-68-3	Hexachlorobutadiene	5.9	U
91-20-3	Naphthalene	2.4	J
87-61-6	1,2,3-Trichlorobenzene	5.9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V13-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #031

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG121.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 15 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	5.9	U
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl Chloride	5.9	U
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorofluoromethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
75-09-2	Methylene Chloride	5.3	JB
156-60-5	trans-1,2-Dichloroethene	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
594-20-7	2,2-Dichloropropane	5.9	U
156-59-2	cis-1,2-Dichloroethene	5.9	U
67-66-3	Chloroform	5.9	U
74-97-5	Bromochloromethane	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U
563-58-6	1,1-Dichloropropene	5.9	U
56-23-5	Carbon Tetrachloride	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
71-43-2	Benzene	5.9	U
79-01-6	Trichloroethene	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
74-95-3	Dibromomethane	5.9	U
108-88-3	Toluene	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
106-93-4	1,2-Dibromoethane	5.9	U
142-28-9	1,3-Dichloropropane	5.9	U
127-18-4	Tetrachloroethene	5.9	U
124-48-1	Dibromochloromethane	5.9	U
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethylbenzene	5.9	U
630-20-6	1,1,1,2-Tetrachloroethane	5.9	U
108-38-3	m + p-Xylene	5.9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

V13-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #031

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG121.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 15 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
95-47-6	o-Xylene	5.9	U
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
96-18-4	1,2,3-Trichloropropane	5.9	U
103-65-1	n-Propylbenzene	5.9	U
108-86-1	Bromobenzene	5.9	U
108-67-8	1,3,5-Trimethylbenzene	5.9	U
106-43-4	4-Chlorotoluene	5.9	U
95-49-8	2-Chlorotoluene	5.9	U
98-06-6	tert-Butylbenzene	5.9	U
95-63-6	1,2,4-Trimethylbenzene	5.9	U
135-98-8	sec-Butylbenzene	5.9	U
99-87-6	p-Isopropyltoluene	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
104-51-8	n-Butylbenzene	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U
120-82-1	1,2,4-Trichlorobenzene	5.9	U
87-68-3	Hexachlorobutadiene	5.9	U
91-20-3	Naphthalene	5.9	U
87-61-6	1,2,3-Trichlorobenzene	5.9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B1-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #002

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG142.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 10 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.6	U
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-69-4	Trichlorofluoromethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
75-09-2	Methylene Chloride	4.8	JB
156-60-5	trans-1,2-Dichloroethene	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
594-20-7	2,2-Dichloropropane	5.6	U
156-59-2	cis-1,2-Dichloroethene	5.6	U
67-66-3	Chloroform	5.6	U
74-97-5	Bromochloromethane	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
563-58-6	1,1-Dichloropropene	5.6	U
56-23-5	Carbon Tetrachloride	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
71-43-2	Benzene	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
74-95-3	Dibromomethane	5.6	U
108-88-3	Toluene	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
106-93-4	1,2-Dibromoethane	5.6	U
142-28-9	1,3-Dichloropropane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
124-48-1	Dibromochloromethane	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethylbenzene	5.6	U
630-20-6	1,1,1,2-Tetrachloroethane	5.6	U
108-38-3	m + p-Xylene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B1-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #002

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG142.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 10 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.6	U
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
98-82-8	Isopropylbenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
96-18-4	1,2,3-Trichloropropane	5.6	U
103-65-1	n-Propylbenzene	5.6	U
108-86-1	Bromobenzene	5.6	U
108-67-8	1,3,5-Trimethylbenzene	5.6	U
106-43-4	4-Chlorotoluene	5.6	U
95-49-8	2-Chlorotoluene	5.6	U
98-06-6	tert-Butylbenzene	5.6	U
95-63-6	1,2,4-Trimethylbenzene	5.6	U
135-98-8	sec-Butylbenzene	5.6	U
99-87-6	p-Isopropyltoluene	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
104-51-8	n-Butylbenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U
87-68-3	Hexachlorobutadiene	5.6	U
91-20-3	Naphthalene	5.6	U
87-61-6	1,2,3-Trichlorobenzene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B2-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #001

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG141.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 54 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
75-09-2	Methylene Chloride	11	JB
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
594-20-7	2,2-Dichloropropane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
74-97-5	Bromochloromethane	11	U
71-55-6	1,1,1-Trichloroethane	11	U
563-58-6	1,1-Dichloropropene	11	U
56-23-5	Carbon Tetrachloride	11	U
107-06-2	1,2-Dichloroethane	11	U
71-43-2	Benzene	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
74-95-3	Dibromomethane	11	U
108-88-3	Toluene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
106-93-4	1,2-Dibromoethane	11	U
142-28-9	1,3-Dichloropropane	11	U
127-18-4	Tetrachloroethene	11	U
124-48-1	Dibromochloromethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
630-20-6	1,1,1,2-Tetrachloroethane	11	U
108-38-3	m + p-Xylene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B2-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #001

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG141.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 54 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
96-18-4	1,2,3-Trichloropropane	11	U
103-65-1	n-Propylbenzene	11	U
108-86-1	Bromobenzene	11	U
108-67-8	1,3,5-Trimethylbenzene	11	U
106-43-4	4-Chlorotoluene	11	U
95-49-8	2-Chlorotoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	p-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-Chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
87-68-3	Hexachlorobutadiene	11	U
91-20-3	Naphthalene	11	U
87-61-6	1,2,3-Trichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B3-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #016

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG103.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 14 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.8	U
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl Chloride	5.8	U
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorofluoromethane	5.8	U
75-35-4	1,1-Dichloroethene	5.8	U
75-09-2	Methylene Chloride	3	JB
156-60-5	trans-1,2-Dichloroethene	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
594-20-7	2,2-Dichloropropane	5.8	U
156-59-2	cis-1,2-Dichloroethene	5.8	U
67-66-3	Chloroform	5.8	U
74-97-5	Bromochloromethane	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
563-58-6	1,1-Dichloropropene	5.8	U
56-23-5	Carbon Tetrachloride	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
71-43-2	Benzene	5.8	U
79-01-6	Trichloroethene	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
74-95-3	Dibromomethane	5.8	U
108-88-3	Toluene	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
106-93-4	1,2-Dibromoethane	5.8	U
142-28-9	1,3-Dichloropropane	5.8	U
127-18-4	Tetrachloroethene	5.8	U
124-48-1	Dibromochloromethane	5.8	U
108-90-7	Chlorobenzene	5.8	U
100-41-4	Ethylbenzene	5.8	U
630-20-6	1,1,1,2-Tetrachloroethane	5.8	U
108-38-3	m + p-Xylene	5.8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B3-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #016

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG103.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 14 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: ug/Kg

CAS No.	Compound	(ug/L or ug/Kg)	Q
95-47-6	o-Xylene	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
96-18-4	1,2,3-Trichloropropane	5.8	U
103-65-1	n-Propylbenzene	5.8	U
108-86-1	Bromobenzene	5.8	U
108-67-8	1,3,5-Trimethylbenzene	5.8	U
106-43-4	4-Chlorotoluene	5.8	U
95-49-8	2-Chlorotoluene	5.8	U
98-06-6	tert-Butylbenzene	5.8	U
95-63-6	1,2,4-Trimethylbenzene	5.8	U
135-98-8	sec-Butylbenzene	5.8	U
99-87-6	p-Isopropyltoluene	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
104-51-8	n-Butylbenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U
120-82-1	1,2,4-Trichlorobenzene	5.8	U
87-68-3	Hexachlorobutadiene	5.8	U
91-20-3	Naphthalene	5.8	U
87-61-6	1,2,3-Trichlorobenzene	5.8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #015

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG102.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 29 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: ug/Kg

CAS No.	Compound	(ug/L or ug/Kg)	Q
75-71-8	Dichlorodifluoromethane	7	U
74-87-3	Chloromethane	7	U
75-01-4	Vinyl Chloride	7	U
74-83-9	Bromomethane	7	U
75-00-3	Chloroethane	7	U
75-69-4	Trichlorofluoromethane	7	U
75-35-4	1,1-Dichloroethene	7	U
75-09-2	Methylene Chloride	10	B
156-60-5	trans-1,2-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
594-20-7	2,2-Dichloropropane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
67-66-3	Chloroform	7	U
74-97-5	Bromochloromethane	7	U
71-55-6	1,1,1-Trichloroethane	7	U
563-58-6	1,1-Dichloropropene	7	U
56-23-5	Carbon Tetrachloride	7	U
107-06-2	1,2-Dichloroethane	7	U
71-43-2	Benzene	7	U
79-01-6	Trichloroethene	7	U
78-87-5	1,2-Dichloropropane	7	U
75-27-4	Bromodichloromethane	7	U
74-95-3	Dibromomethane	7	U
108-88-3	Toluene	7.8	
79-00-5	1,1,2-Trichloroethane	7	U
106-93-4	1,2-Dibromoethane	7	U
142-28-9	1,3-Dichloropropane	7	U
127-18-4	Tetrachloroethene	7	U
124-48-1	Dibromochloromethane	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
630-20-6	1,1,1,2-Tetrachloroethane	7	U
108-38-3	m + p-Xylene	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #015

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG102.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 29 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	7	U
100-42-5	Styrene	7	U
75-25-2	Bromoform	7	U
98-82-8	Isopropylbenzene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
96-18-4	1,2,3-Trichloropropane	7	U
103-65-1	n-Propylbenzene	7	U
108-86-1	Bromobenzene	7	U
108-67-8	1,3,5-Trimethylbenzene	7	U
106-43-4	4-Chlorotoluene	7	U
95-49-8	2-Chlorotoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	p-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U
96-12-8	1,2-Dibromo-3-Chloropropane	7	U
120-82-1	1,2,4-Trichlorobenzene	7	U
87-68-3	Hexachlorobutadiene	7	U
91-20-3	Naphthalene	7	U
87-61-6	1,2,3-Trichlorobenzene	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T1-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #027

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG117.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 13 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
75-09-2	Methylene Chloride	5.9	B
156-60-5	trans-1,2-Dichloroethene	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
594-20-7	2,2-Dichloropropane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
67-66-3	Chloroform	5.7	U
74-97-5	Bromochloromethane	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
563-58-6	1,1-Dichloropropene	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
71-43-2	Benzene	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
74-95-3	Dibromomethane	5.7	U
108-88-3	Toluene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
106-93-4	1,2-Dibromoethane	5.7	U
142-28-9	1,3-Dichloropropane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
124-48-1	Dibromochloromethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.6	J
630-20-6	1,1,1,2-Tetrachloroethane	5.7	U
108-38-3	m + p-Xylene	4.2	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T1-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #027

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG117.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 13 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	2.8	J
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
96-18-4	1,2,3-Trichloropropane	5.7	U
103-65-1	n-Propylbenzene	6.3	
108-86-1	Bromobenzene	5.7	U
108-67-8	1,3,5-Trimethylbenzene	13	
106-43-4	4-Chlorotoluene	5.7	U
95-49-8	2-Chlorotoluene	5.7	U
98-06-6	tert-Butylbenzene	5.7	U
95-63-6	1,2,4-Trimethylbenzene	28	
135-98-8	sec-Butylbenzene	11	
99-87-6	p-Isopropyltoluene	10	
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
104-51-8	n-Butylbenzene	11	
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-68-3	Hexachlorobutadiene	5.7	U
91-20-3	Naphthalene	2.8	J
87-61-6	1,2,3-Trichlorobenzene	5.7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T2-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #028

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG118.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 15 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.9	U
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl Chloride	5.9	U
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorofluoromethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
75-09-2	Methylene Chloride	1.3	JB
156-60-5	trans-1,2-Dichloroethene	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
594-20-7	2,2-Dichloropropane	5.9	U
156-59-2	cis-1,2-Dichloroethene	5.9	U
67-66-3	Chloroform	5.9	U
74-97-5	Bromochloromethane	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U
563-58-6	1,1-Dichloropropene	5.9	U
56-23-5	Carbon Tetrachloride	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
71-43-2	Benzene	5.9	U
79-01-6	Trichloroethene	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
74-95-3	Dibromomethane	5.9	U
108-88-3	Toluene	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
106-93-4	1,2-Dibromoethane	5.9	U
142-28-9	1,3-Dichloropropane	5.9	U
127-18-4	Tetrachloroethene	5.9	U
124-48-1	Dibromochloromethane	5.9	U
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethylbenzene	5.9	U
630-20-6	1,1,1,2-Tetrachloroethane	5.9	U
108-38-3	m + p-Xylene	5.9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T2-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #028

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG118.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 15 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.9	U
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
96-18-4	1,2,3-Trichloropropane	5.9	U
103-65-1	n-Propylbenzene	5.9	U
108-86-1	Bromobenzene	5.9	U
108-67-8	1,3,5-Trimethylbenzene	5.9	U
106-43-4	4-Chlorotoluene	5.9	U
95-49-8	2-Chlorotoluene	5.9	U
98-06-6	tert-Butylbenzene	5.9	U
95-63-6	1,2,4-Trimethylbenzene	5.9	U
135-98-8	sec-Butylbenzene	5.9	U
99-87-6	p-Isopropyltoluene	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
104-51-8	n-Butylbenzene	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U
120-82-1	1,2,4-Trichlorobenzene	5.9	U
87-68-3	Hexachlorobutadiene	5.9	U
91-20-3	Naphthalene	5.9	U
87-61-6	1,2,3-Trichlorobenzene	5.9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T3-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #029

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG119.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 14 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.8	U
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl Chloride	5.8	U
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorofluoromethane	5.8	U
75-35-4	1,1-Dichloroethene	5.8	U
75-09-2	Methylene Chloride	8.1	B
156-60-5	trans-1,2-Dichloroethene	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
594-20-7	2,2-Dichloropropane	5.8	U
156-59-2	cis-1,2-Dichloroethene	5.8	U
67-66-3	Chloroform	5.8	U
74-97-5	Bromochloromethane	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
563-58-6	1,1-Dichloropropene	5.8	U
56-23-5	Carbon Tetrachloride	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
71-43-2	Benzene	5.8	U
79-01-6	Trichloroethene	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
74-95-3	Dibromomethane	5.8	U
108-88-3	Toluene	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
106-93-4	1,2-Dibromoethane	5.8	U
142-28-9	1,3-Dichloropropane	5.8	U
127-18-4	Tetrachloroethene	5.8	U
124-48-1	Dibromochloromethane	5.8	U
108-90-7	Chlorobenzene	5.8	U
100-41-4	Ethylbenzene	5.8	U
630-20-6	1,1,1,2-Tetrachloroethane	5.8	U
108-38-3	m + p-Xylene	5.8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
T3-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #029

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG119.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 14 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
96-18-4	1,2,3-Trichloropropane	5.8	U
103-65-1	n-Propylbenzene	5.8	U
108-86-1	Bromobenzene	5.8	U
108-67-8	1,3,5-Trimethylbenzene	5.8	U
106-43-4	4-Chlorotoluene	5.8	U
95-49-8	2-Chlorotoluene	5.8	U
98-06-6	tert-Butylbenzene	5.8	U
95-63-6	1,2,4-Trimethylbenzene	5.8	U
135-98-8	sec-Butylbenzene	5.8	U
99-87-6	p-Isopropyltoluene	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
104-51-8	n-Butylbenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U
120-82-1	1,2,4-Trichlorobenzene	5.8	U
87-68-3	Hexachlorobutadiene	5.8	U
91-20-3	Naphthalene	5.8	U
87-61-6	1,2,3-Trichlorobenzene	5.8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T4-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #030

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG120.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 13 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
75-09-2	Methylene Chloride	5.7	JB
156-60-5	trans-1,2-Dichloroethene	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
594-20-7	2,2-Dichloropropane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
67-66-3	Chloroform	5.7	U
74-97-5	Bromochloromethane	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
563-58-6	1,1-Dichloropropene	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
71-43-2	Benzene	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
74-95-3	Dibromomethane	5.7	U
108-88-3	Toluene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
106-93-4	1,2-Dibromoethane	5.7	U
142-28-9	1,3-Dichloropropane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
124-48-1	Dibromochloromethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
630-20-6	1,1,1,2-Tetrachloroethane	5.7	U
108-38-3	m + p-Xylene	5.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
T4-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #030

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG120.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 13 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
96-18-4	1,2,3-Trichloropropane	5.7	U
103-65-1	n-Propylbenzene	5.7	U
108-86-1	Bromobenzene	5.7	U
108-67-8	1,3,5-Trimethylbenzene	5.7	U
106-43-4	4-Chlorotoluene	5.7	U
95-49-8	2-Chlorotoluene	5.7	U
98-06-6	tert-Butylbenzene	5.7	U
95-63-6	1,2,4-Trimethylbenzene	5.7	U
135-98-8	sec-Butylbenzene	5.7	U
99-87-6	p-Isopropyltoluene	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
104-51-8	n-Butylbenzene	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-68-3	Hexachlorobutadiene	5.7	U
91-20-3	Naphthalene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T5-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #017

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG104.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 15 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.9	U
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl Chloride	5.9	U
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorofluoromethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
75-09-2	Methylene Chloride	2.4	JB
156-60-5	trans-1,2-Dichloroethene	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
594-20-7	2,2-Dichloropropane	5.9	U
156-59-2	cis-1,2-Dichloroethene	5.9	U
67-66-3	Chloroform	5.9	U
74-97-5	Bromochloromethane	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U
563-58-6	1,1-Dichloropropene	5.9	U
56-23-5	Carbon Tetrachloride	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
71-43-2	Benzene	5.9	U
79-01-6	Trichloroethene	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
74-95-3	Dibromomethane	5.9	U
108-88-3	Toluene	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
106-93-4	1,2-Dibromoethane	5.9	U
142-28-9	1,3-Dichloropropane	5.9	U
127-18-4	Tetrachloroethene	5.9	U
124-48-1	Dibromochloromethane	5.9	U
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethylbenzene	5.9	U
630-20-6	1,1,1,2-Tetrachloroethane	5.9	U
108-38-3	m + p-Xylene	5.9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T5-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #017

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG104.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 15 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.9	U
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
96-18-4	1,2,3-Trichloropropane	5.9	U
103-65-1	n-Propylbenzene	5.9	U
108-86-1	Bromobenzene	5.9	U
108-67-8	1,3,5-Trimethylbenzene	5.9	U
106-43-4	4-Chlorotoluene	5.9	U
95-49-8	2-Chlorotoluene	5.9	U
98-06-6	tert-Butylbenzene	5.9	U
95-63-6	1,2,4-Trimethylbenzene	5.9	U
135-98-8	sec-Butylbenzene	5.9	U
99-87-6	p-Isopropyltoluene	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
104-51-8	n-Butylbenzene	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U
120-82-1	1,2,4-Trichlorobenzene	5.9	U
87-68-3	Hexachlorobutadiene	5.9	U
91-20-3	Naphthalene	5.9	U
87-61-6	1,2,3-Trichlorobenzene	5.9	U

VOLUME II

ATTACHMENT B (CONTINUED)

ANALYTICAL DATA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W1-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #011

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG098.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 7 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl Chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
75-09-2	Methylene Chloride	5.2	JB
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
594-20-7	2,2-Dichloropropane	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
67-66-3	Chloroform	5.4	U
74-97-5	Bromochloromethane	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
563-58-6	1,1-Dichloropropene	5.4	U
56-23-5	Carbon Tetrachloride	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
71-43-2	Benzene	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
74-95-3	Dibromomethane	5.4	U
108-88-3	Toluene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
142-28-9	1,3-Dichloropropane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
124-48-1	Dibromochloromethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
630-20-6	1,1,1,2-Tetrachloroethane	5.4	U
108-38-3	m + p-Xylene	5.4	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W1-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #011

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG098.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 7 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
96-18-4	1,2,3-Trichloropropane	5.4	U
103-65-1	n-Propylbenzene	5.4	U
108-86-1	Bromobenzene	5.4	U
108-67-8	1,3,5-Trimethylbenzene	5.4	U
106-43-4	4-Chlorotoluene	5.4	U
95-49-8	2-Chlorotoluene	5.4	U
98-06-6	tert-Butylbenzene	5.4	U
95-63-6	1,2,4-Trimethylbenzene	5.4	U
135-98-8	sec-Butylbenzene	5.4	U
99-87-6	p-Isopropyltoluene	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
104-51-8	n-Butylbenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U
87-68-3	Hexachlorobutadiene	5.4	U
91-20-3	Naphthalene	5.4	U
87-61-6	1,2,3-Trichlorobenzene	5.4	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W2-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #026

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG116.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 15 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.9	U
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl Chloride	5.9	U
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorofluoromethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
75-09-2	Methylene Chloride	5.7	JB
156-60-5	trans-1,2-Dichloroethene	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
594-20-7	2,2-Dichloropropane	5.9	U
156-59-2	cis-1,2-Dichloroethene	5.9	U
67-66-3	Chloroform	5.9	U
74-97-5	Bromochloromethane	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U
563-58-6	1,1-Dichloropropene	5.9	U
56-23-5	Carbon Tetrachloride	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
71-43-2	Benzene	5.9	U
79-01-6	Trichloroethene	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
74-95-3	Dibromomethane	5.9	U
108-88-3	Toluene	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
106-93-4	1,2-Dibromoethane	5.9	U
142-28-9	1,3-Dichloropropane	5.9	U
127-18-4	Tetrachloroethene	5.9	U
124-48-1	Dibromochloromethane	5.9	U
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethylbenzene	5.9	U
630-20-6	1,1,1,2-Tetrachloroethane	5.9	U
108-38-3	m + p-Xylene	5.9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W2-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #026

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG116.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 15 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.9	U
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
96-18-4	1,2,3-Trichloropropane	5.9	U
103-65-1	n-Propylbenzene	5.9	U
108-86-1	Bromobenzene	5.9	U
108-67-8	1,3,5-Trimethylbenzene	5.9	U
106-43-4	4-Chlorotoluene	5.9	U
95-49-8	2-Chlorotoluene	5.9	U
98-06-6	tert-Butylbenzene	5.9	U
95-63-6	1,2,4-Trimethylbenzene	5.9	U
135-98-8	sec-Butylbenzene	5.9	U
99-87-6	p-Isopropyltoluene	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
104-51-8	n-Butylbenzene	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U
120-82-1	1,2,4-Trichlorobenzene	5.9	U
87-68-3	Hexachlorobutadiene	5.9	U
91-20-3	Naphthalene	5.9	U
87-61-6	1,2,3-Trichlorobenzene	5.9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W3-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #033

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG156.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 31 Date Analyzed: 7/23/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	7.2	U
74-87-3	Chloromethane	7.2	U
75-01-4	Vinyl Chloride	7.2	U
74-83-9	Bromomethane	7.2	U
75-00-3	Chloroethane	7.2	U
75-69-4	Trichlorofluoromethane	7.2	U
75-35-4	1,1-Dichloroethene	7.2	U
75-09-2	Methylene Chloride	5.9	JB
156-60-5	trans-1,2-Dichloroethene	7.2	U
75-34-3	1,1-Dichloroethane	7.2	U
594-20-7	2,2-Dichloropropane	7.2	U
156-59-2	cis-1,2-Dichloroethene	7.2	U
67-66-3	Chloroform	7.2	U
74-97-5	Bromochloromethane	7.2	U
71-55-6	1,1,1-Trichloroethane	7.2	U
563-58-6	1,1-Dichloropropene	7.2	U
56-23-5	Carbon Tetrachloride	7.2	U
107-06-2	1,2-Dichloroethane	7.2	U
71-43-2	Benzene	7.2	U
79-01-6	Trichloroethene	7.2	U
78-87-5	1,2-Dichloropropane	7.2	U
75-27-4	Bromodichloromethane	7.2	U
74-95-3	Dibromomethane	7.2	U
108-88-3	Toluene	7.2	U
79-00-5	1,1,2-Trichloroethane	7.2	U
106-93-4	1,2-Dibromoethane	7.2	U
142-28-9	1,3-Dichloropropane	7.2	U
127-18-4	Tetrachloroethene	7.2	U
124-48-1	Dibromochloromethane	7.2	U
108-90-7	Chlorobenzene	7.2	U
100-41-4	Ethylbenzene	7.2	U
630-20-6	1,1,1,2-Tetrachloroethane	7.2	U
108-38-3	m + p-Xylene	7.2	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W3-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #033

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG156.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 31 Date Analyzed: 7/23/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	7.2	U
100-42-5	Styrene	7.2	U
75-25-2	Bromoform	7.2	U
98-82-8	Isopropylbenzene	7.2	U
79-34-5	1,1,2,2-Tetrachloroethane	7.2	U
96-18-4	1,2,3-Trichloropropane	7.2	U
103-65-1	n-Propylbenzene	7.2	U
108-86-1	Bromobenzene	7.2	U
108-67-8	1,3,5-Trimethylbenzene	7.2	U
106-43-4	4-Chlorotoluene	7.2	U
95-49-8	2-Chlorotoluene	7.2	U
98-06-6	tert-Butylbenzene	7.2	U
95-63-6	1,2,4-Trimethylbenzene	7.2	U
135-98-8	sec-Butylbenzene	7.2	U
99-87-6	p-Isopropyltoluene	7.2	U
541-73-1	1,3-Dichlorobenzene	7.2	U
106-46-7	1,4-Dichlorobenzene	7.2	U
104-51-8	n-Butylbenzene	7.2	U
95-50-1	1,2-Dichlorobenzene	7.2	U
96-12-8	1,2-Dibromo-3-Chloropropane	7.2	U
120-82-1	1,2,4-Trichlorobenzene	7.2	U
87-68-3	Hexachlorobutadiene	7.2	U
91-20-3	Naphthalene	7.2	U
87-61-6	1,2,3-Trichlorobenzene	7.2	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W4-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #020

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG107.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 30 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	7.1	U
74-87-3	Chloromethane	7.1	U
75-01-4	Vinyl Chloride	7.1	U
74-83-9	Bromomethane	7.1	U
75-00-3	Chloroethane	7.1	U
75-69-4	Trichlorofluoromethane	7.1	U
75-35-4	1,1-Dichloroethene	7.1	U
75-09-2	Methylene Chloride	5.5	JB
156-60-5	trans-1,2-Dichloroethene	7.1	U
75-34-3	1,1-Dichloroethane	7.1	U
594-20-7	2,2-Dichloropropane	7.1	U
156-59-2	cis-1,2-Dichloroethene	7.1	U
67-66-3	Chloroform	7.1	U
74-97-5	Bromochloromethane	7.1	U
71-55-6	1,1,1-Trichloroethane	7.1	U
563-58-6	1,1-Dichloropropene	7.1	U
56-23-5	Carbon Tetrachloride	7.1	U
107-06-2	1,2-Dichloroethane	7.1	U
71-43-2	Benzene	7.1	U
79-01-6	Trichloroethene	7.1	U
78-87-5	1,2-Dichloropropane	7.1	U
75-27-4	Bromodichloromethane	7.1	U
74-95-3	Dibromomethane	7.1	U
108-88-3	Toluene	7.1	U
79-00-5	1,1,2-Trichloroethane	7.1	U
106-93-4	1,2-Dibromoethane	7.1	U
142-28-9	1,3-Dichloropropane	7.1	U
127-18-4	Tetrachloroethene	7.1	U
124-48-1	Dibromochloromethane	7.1	U
108-90-7	Chlorobenzene	7.1	U
100-41-4	Ethylbenzene	7.1	U
630-20-6	1,1,1,2-Tetrachloroethane	7.1	U
108-38-3	m + p-Xylene	7.1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
W4-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #020

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG107.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 30 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	7.1	U
100-42-5	Styrene	7.1	U
75-25-2	Bromoform	7.1	U
98-82-8	Isopropylbenzene	7.1	U
79-34-5	1,1,2,2-Tetrachloroethane	7.1	U
96-18-4	1,2,3-Trichloropropane	7.1	U
103-65-1	n-Propylbenzene	7.1	U
108-86-1	Bromobenzene	7.1	U
108-67-8	1,3,5-Trimethylbenzene	7.1	U
106-43-4	4-Chlorotoluene	7.1	U
95-49-8	2-Chlorotoluene	7.1	U
98-06-6	tert-Butylbenzene	7.1	U
95-63-6	1,2,4-Trimethylbenzene	7.1	U
135-98-8	sec-Butylbenzene	7.1	U
99-87-6	p-Isopropyltoluene	7.1	U
541-73-1	1,3-Dichlorobenzene	7.1	U
106-46-7	1,4-Dichlorobenzene	7.1	U
104-51-8	n-Butylbenzene	7.1	U
95-50-1	1,2-Dichlorobenzene	7.1	U
96-12-8	1,2-Dibromo-3-Chloropropane	7.1	U
120-82-1	1,2,4-Trichlorobenzene	7.1	U
87-68-3	Hexachlorobutadiene	7.1	U
91-20-3	Naphthalene	7.1	U
87-61-6	1,2,3-Trichlorobenzene	7.1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W5-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #019

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG106.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 12 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: ug/Kg

CAS No.	Compound	(ug/L or ug/Kg)	Q
75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
75-09-2	Methylene Chloride	1.8	JB
156-60-5	trans-1,2-Dichloroethene	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
594-20-7	2,2-Dichloropropane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
67-66-3	Chloroform	5.7	U
74-97-5	Bromochloromethane	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
563-58-6	1,1-Dichloropropene	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
71-43-2	Benzene	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
74-95-3	Dibromomethane	5.7	U
108-88-3	Toluene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
106-93-4	1,2-Dibromoethane	5.7	U
142-28-9	1,3-Dichloropropane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
124-48-1	Dibromochloromethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
630-20-6	1,1,1,2-Tetrachloroethane	5.7	U
108-38-3	m + p-Xylene	5.7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W5-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #019

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG106.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 12 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: ug/Kg

CAS No.	Compound	(ug/L or ug/Kg)	Q
95-47-6	o-Xylene	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
96-18-4	1,2,3-Trichloropropane	5.7	U
103-65-1	n-Propylbenzene	5.7	U
108-86-1	Bromobenzene	5.7	U
108-67-8	1,3,5-Trimethylbenzene	5.7	U
106-43-4	4-Chlorotoluene	5.7	U
95-49-8	2-Chlorotoluene	5.7	U
98-06-6	tert-Butylbenzene	5.7	U
95-63-6	1,2,4-Trimethylbenzene	5.7	U
135-98-8	sec-Butylbenzene	5.7	U
99-87-6	p-Isopropyltoluene	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
104-51-8	n-Butylbenzene	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-68-3	Hexachlorobutadiene	5.7	U
91-20-3	Naphthalene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W6-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #034

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG157.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 27 Date Analyzed: 7/23/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	6.8	U
74-87-3	Chloromethane	6.8	U
75-01-4	Vinyl Chloride	6.8	U
74-83-9	Bromomethane	6.8	U
75-00-3	Chloroethane	6.8	U
75-69-4	Trichlorofluoromethane	6.8	U
75-35-4	1,1-Dichloroethene	6.8	U
75-09-2	Methylene Chloride	4.5	JB
156-60-5	trans-1,2-Dichloroethene	6.8	U
75-34-3	1,1-Dichloroethane	6.8	U
594-20-7	2,2-Dichloropropane	6.8	U
156-59-2	cis-1,2-Dichloroethene	6.8	U
67-66-3	Chloroform	6.8	U
74-97-5	Bromochloromethane	6.8	U
71-55-6	1,1,1-Trichloroethane	6.8	U
563-58-6	1,1-Dichloropropene	6.8	U
56-23-5	Carbon Tetrachloride	6.8	U
107-06-2	1,2-Dichloroethane	6.8	U
71-43-2	Benzene	6.8	U
79-01-6	Trichloroethene	6.8	U
78-87-5	1,2-Dichloropropane	6.8	U
75-27-4	Bromodichloromethane	6.8	U
74-95-3	Dibromomethane	6.8	U
108-88-3	Toluene	6.8	U
79-00-5	1,1,2-Trichloroethane	6.8	U
106-93-4	1,2-Dibromoethane	6.8	U
142-28-9	1,3-Dichloropropane	6.8	U
127-18-4	Tetrachloroethene	6.8	U
124-48-1	Dibromochloromethane	6.8	U
108-90-7	Chlorobenzene	6.8	U
100-41-4	Ethylbenzene	6.8	U
630-20-6	1,1,1,2-Tetrachloroethane	6.8	U
108-38-3	m + p-Xylene	6.8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W6-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #034

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG157.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 27 Date Analyzed: 7/23/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	6.8	U
100-42-5	Styrene	6.8	U
75-25-2	Bromoform	6.8	U
98-82-8	Isopropylbenzene	6.8	U
79-34-5	1,1,2,2-Tetrachloroethane	6.8	U
96-18-4	1,2,3-Trichloropropane	6.8	U
103-65-1	n-Propylbenzene	6.8	U
108-86-1	Bromobenzene	6.8	U
108-67-8	1,3,5-Trimethylbenzene	6.8	U
106-43-4	4-Chlorotoluene	6.8	U
95-49-8	2-Chlorotoluene	6.8	U
98-06-6	tert-Butylbenzene	6.8	U
95-63-6	1,2,4-Trimethylbenzene	6.8	U
135-98-8	sec-Butylbenzene	6.8	U
99-87-6	p-Isopropyltoluene	6.8	U
541-73-1	1,3-Dichlorobenzene	6.8	U
106-46-7	1,4-Dichlorobenzene	6.8	U
104-51-8	n-Butylbenzene	6.8	U
95-50-1	1,2-Dichlorobenzene	6.8	U
96-12-8	1,2-Dibromo-3-Chloropropane	6.8	U
120-82-1	1,2,4-Trichlorobenzene	6.8	U
87-68-3	Hexachlorobutadiene	6.8	U
91-20-3	Naphthalene	6.8	U
87-61-6	1,2,3-Trichlorobenzene	6.8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W7-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #025

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG115.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 10 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	5.6	U
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-69-4	Trichlorofluoromethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
75-09-2	Methylene Chloride	9	B
156-60-5	trans-1,2-Dichloroethene	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
594-20-7	2,2-Dichloropropane	5.6	U
156-59-2	cis-1,2-Dichloroethene	5.6	U
67-66-3	Chloroform	5.6	U
74-97-5	Bromochloromethane	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
563-58-6	1,1-Dichloropropene	5.6	U
56-23-5	Carbon Tetrachloride	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
71-43-2	Benzene	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
74-95-3	Dibromomethane	5.6	U
108-88-3	Toluene	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
106-93-4	1,2-Dibromoethane	5.6	U
142-28-9	1,3-Dichloropropane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
124-48-1	Dibromochloromethane	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethylbenzene	5.6	U
630-20-6	1,1,1,2-Tetrachloroethane	5.6	U
108-38-3	m + p-Xylene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W12-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #021

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG111.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 13 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
96-18-4	1,2,3-Trichloropropane	5.7	U
103-65-1	n-Propylbenzene	5.7	U
108-86-1	Bromobenzene	5.7	U
108-67-8	1,3,5-Trimethylbenzene	5.7	U
106-43-4	4-Chlorotoluene	5.7	U
95-49-8	2-Chlorotoluene	5.7	U
98-06-6	tert-Butylbenzene	5.7	U
95-63-6	1,2,4-Trimethylbenzene	5.7	U
135-98-8	sec-Butylbenzene	5.7	U
99-87-6	p-Isopropyltoluene	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
104-51-8	n-Butylbenzene	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-68-3	Hexachlorobutadiene	5.7	U
91-20-3	Naphthalene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK01

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: 970718ES

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG140.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	3.7	J
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
74-97-5	Bromochloromethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
74-95-3	Dibromomethane	5	U
108-88-3	Toluene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
106-93-4	1,2-Dibromoethane	5	U
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
108-38-3	m + p-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W7-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #025

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG115.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 10 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
95-47-6	o-Xylene	5.6	U
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
98-82-8	Isopropylbenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
96-18-4	1,2,3-Trichloropropane	5.6	U
103-65-1	n-Propylbenzene	5.6	U
108-86-1	Bromobenzene	5.6	U
108-67-8	1,3,5-Trimethylbenzene	5.6	U
106-43-4	4-Chlorotoluene	5.6	U
95-49-8	2-Chlorotoluene	5.6	U
98-06-6	tert-Butylbenzene	5.6	U
95-63-6	1,2,4-Trimethylbenzene	5.6	U
135-98-8	sec-Butylbenzene	5.6	U
99-87-6	p-Isopropyltoluene	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
104-51-8	n-Butylbenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U
87-68-3	Hexachlorobutadiene	5.6	U
91-20-3	Naphthalene	5.6	U
87-61-6	1,2,3-Trichlorobenzene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W8-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #024

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG114.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 18 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	6.1	U
74-87-3	Chloromethane	6.1	U
75-01-4	Vinyl Chloride	6.1	U
74-83-9	Bromomethane	6.1	U
75-00-3	Chloroethane	6.1	U
75-69-4	Trichlorofluoromethane	6.1	U
75-35-4	1,1-Dichloroethene	6.1	U
75-09-2	Methylene Chloride	13	B
156-60-5	trans-1,2-Dichloroethene	6.1	U
75-34-3	1,1-Dichloroethane	6.1	U
594-20-7	2,2-Dichloropropane	6.1	U
156-59-2	cis-1,2-Dichloroethene	6.1	U
67-66-3	Chloroform	6.1	U
74-97-5	Bromochloromethane	6.1	U
71-55-6	1,1,1-Trichloroethane	6.1	U
563-58-6	1,1-Dichloropropene	6.1	U
56-23-5	Carbon Tetrachloride	6.1	U
107-06-2	1,2-Dichloroethane	6.1	U
71-43-2	Benzene	6.1	U
79-01-6	Trichloroethene	6.1	U
78-87-5	1,2-Dichloropropane	6.1	U
75-27-4	Bromodichloromethane	6.1	U
74-95-3	Dibromomethane	6.1	U
108-88-3	Toluene	7.4	
79-00-5	1,1,2-Trichloroethane	6.1	U
106-93-4	1,2-Dibromoethane	6.1	U
142-28-9	1,3-Dichloropropane	6.1	U
127-18-4	Tetrachloroethene	6.1	U
124-48-1	Dibromochloromethane	6.1	U
108-90-7	Chlorobenzene	6.1	U
100-41-4	Ethylbenzene	6.1	U
630-20-6	1,1,1,2-Tetrachloroethane	6.1	U
108-38-3	m + p-Xylene	2.5	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W8-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #024

Sample wt/vol: 5.0 (g/mL) G Lab File.ID: FG114.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 18 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	6.1	U
100-42-5	Styrene	6.1	U
75-25-2	Bromoform	6.1	U
98-82-8	Isopropylbenzene	6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U
96-18-4	1,2,3-Trichloropropane	6.1	U
103-65-1	n-Propylbenzene	6.1	U
108-86-1	Bromobenzene	6.1	U
108-67-8	1,3,5-Trimethylbenzene	6.1	U
106-43-4	4-Chlorotoluene	6.1	U
95-49-8	2-Chlorotoluene	6.1	U
98-06-6	tert-Butylbenzene	6.1	U
95-63-6	1,2,4-Trimethylbenzene	6.1	U
135-98-8	sec-Butylbenzene	6.1	U
99-87-6	p-Isopropyltoluene	6.1	U
541-73-1	1,3-Dichlorobenzene	6.1	U
106-46-7	1,4-Dichlorobenzene	6.1	U
104-51-8	n-Butylbenzene	6.1	U
95-50-1	1,2-Dichlorobenzene	6.1	U
96-12-8	1,2-Dibromo-3-Chloropropane	6.1	U
120-82-1	1,2,4-Trichlorobenzene	6.1	U
87-68-3	Hexachlorobutadiene	6.1	U
91-20-3	Naphthalene	6.1	U
87-61-6	1,2,3-Trichlorobenzene	6.1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W9-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #022

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG112.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 12 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
75-09-2	Methylene Chloride	11	B
156-60-5	trans-1,2-Dichloroethene	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
594-20-7	2,2-Dichloropropane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
67-66-3	Chloroform	5.7	U
74-97-5	Bromochloromethane	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
563-58-6	1,1-Dichloropropene	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
71-43-2	Benzene	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
74-95-3	Dibromomethane	5.7	U
108-88-3	Toluene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
106-93-4	1,2-Dibromoethane	5.7	U
142-28-9	1,3-Dichloropropane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
124-48-1	Dibromochloromethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
630-20-6	1,1,1,2-Tetrachloroethane	5.7	U
108-38-3	m + p-Xylene	5.7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W9-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #022

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG112.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 12 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
96-18-4	1,2,3-Trichloropropane	5.7	U
103-65-1	n-Propylbenzene	5.7	U
108-86-1	Bromobenzene	5.7	U
108-67-8	1,3,5-Trimethylbenzene	5.7	U
106-43-4	4-Chlorotoluene	5.7	U
95-49-8	2-Chlorotoluene	5.7	U
98-06-6	tert-Butylbenzene	5.7	U
95-63-6	1,2,4-Trimethylbenzene	5.7	U
135-98-8	sec-Butylbenzene	5.7	U
99-87-6	p-Isopropyltoluene	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
104-51-8	n-Butylbenzene	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-68-3	Hexachlorobutadiene	5.7	U
91-20-3	Naphthalene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W10-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: #023

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG113.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 12 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
75-09-2	Methylene Chloride	5.2	JB
156-60-5	trans-1,2-Dichloroethene	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
594-20-7	2,2-Dichloropropane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
67-66-3	Chloroform	5.7	U
74-97-5	Bromochloromethane	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
563-58-6	1,1-Dichloropropene	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
71-43-2	Benzene	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
74-95-3	Dibromomethane	5.7	U
108-88-3	Toluene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
106-93-4	1,2-Dibromoethane	5.7	U
142-28-9	1,3-Dichloropropane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
124-48-1	Dibromochloromethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
630-20-6	1,1,1,2-Tetrachloroethane	5.7	U
108-38-3	m + p-Xylene	5.7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W10-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #023

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG113.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 12 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
96-18-4	1,2,3-Trichloropropane	5.7	U
103-65-1	n-Propylbenzene	5.7	U
108-86-1	Bromobenzene	5.7	U
108-67-8	1,3,5-Trimethylbenzene	5.7	U
106-43-4	4-Chlorotoluene	5.7	U
95-49-8	2-Chlorotoluene	5.7	U
98-06-6	tert-Butylbenzene	5.7	U
95-63-6	1,2,4-Trimethylbenzene	5.7	U
135-98-8	sec-Butylbenzene	5.7	U
99-87-6	p-Isopropyltoluene	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
104-51-8	n-Butylbenzene	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-68-3	Hexachlorobutadiene	5.7	U
91-20-3	Naphthalene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W11-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #012

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG099.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 32 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	7.4	U
74-87-3	Chloromethane	7.4	U
75-01-4	Vinyl Chloride	7.4	U
74-83-9	Bromomethane	7.4	U
75-00-3	Chloroethane	7.4	U
75-69-4	Trichlorofluoromethane	7.4	U
75-35-4	1,1-Dichloroethene	7.4	U
75-09-2	Methylene Chloride	5.5	JB
156-60-5	trans-1,2-Dichloroethene	7.4	U
75-34-3	1,1-Dichloroethane	7.4	U
594-20-7	2,2-Dichloropropane	7.4	U
156-59-2	cis-1,2-Dichloroethene	7.4	U
67-66-3	Chloroform	7.4	U
74-97-5	Bromochloromethane	7.4	U
71-55-6	1,1,1-Trichloroethane	7.4	U
563-58-6	1,1-Dichloropropene	7.4	U
56-23-5	Carbon Tetrachloride	7.4	U
107-06-2	1,2-Dichloroethane	7.4	U
71-43-2	Benzene	7.4	U
79-01-6	Trichloroethene	7.4	U
78-87-5	1,2-Dichloropropane	7.4	U
75-27-4	Bromodichloromethane	7.4	U
74-95-3	Dibromomethane	7.4	U
108-88-3	Toluene	7.4	U
79-00-5	1,1,2-Trichloroethane	7.4	U
106-93-4	1,2-Dibromoethane	7.4	U
142-28-9	1,3-Dichloropropane	7.4	U
127-18-4	Tetrachloroethene	7.4	U
124-48-1	Dibromochloromethane	7.4	U
108-90-7	Chlorobenzene	7.4	U
100-41-4	Ethylbenzene	7.4	U
630-20-6	1,1,1,2-Tetrachloroethane	7.4	U
108-38-3	m + p-Xylene	7.4	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
W11-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #012

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG099.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 32 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	7.4	U
100-42-5	Styrene	7.4	U
75-25-2	Bromoform	7.4	U
98-82-8	Isopropylbenzene	7.4	U
79-34-5	1,1,2,2-Tetrachloroethane	7.4	U
96-18-4	1,2,3-Trichloropropane	7.4	U
103-65-1	n-Propylbenzene	7.4	U
108-86-1	Bromobenzene	7.4	U
108-67-8	1,3,5-Trimethylbenzene	7.4	U
106-43-4	4-Chlorotoluene	7.4	U
95-49-8	2-Chlorotoluene	7.4	U
98-06-6	tert-Butylbenzene	7.4	U
95-63-6	1,2,4-Trimethylbenzene	7.4	U
135-98-8	sec-Butylbenzene	7.4	U
99-87-6	p-Isopropyltoluene	7.4	U
541-73-1	1,3-Dichlorobenzene	7.4	U
106-46-7	1,4-Dichlorobenzene	7.4	U
104-51-8	n-Butylbenzene	7.4	U
95-50-1	1,2-Dichlorobenzene	7.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	7.4	U
120-82-1	1,2,4-Trichlorobenzene	7.4	U
87-68-3	Hexachlorobutadiene	7.4	U
91-20-3	Naphthalene	7.4	U
87-61-6	1,2,3-Trichlorobenzene	7.4	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

W12-3.0

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: #021

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG111.D

Level: (low/med) LOW Date Received: 7/18/97

% Moisture: not dec. 13 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
75-09-2	Methylene Chloride	11	B
156-60-5	trans-1,2-Dichloroethene	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
594-20-7	2,2-Dichloropropane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
67-66-3	Chloroform	5.7	U
74-97-5	Bromochloromethane	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
563-58-6	1,1-Dichloropropene	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
71-43-2	Benzene	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
74-95-3	Dibromomethane	5.7	U
108-88-3	Toluene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
106-93-4	1,2-Dibromoethane	5.7	U
142-28-9	1,3-Dichloropropane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
124-48-1	Dibromochloromethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
630-20-6	1,1,1,2-Tetrachloroethane	5.7	U
108-38-3	m + p-Xylene	5.7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK01

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: 970718ES

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG140.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 7/18/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
108-86-1	Bromobenzene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
95-49-8	2-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	p-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK02

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: 970718FS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG096.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	3.7	J
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
74-97-5	Bromochloromethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
74-95-3	Dibromomethane	5	U
108-88-3	Toluene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
106-93-4	1,2-Dibromoethane	5	U
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
108-38-3	m + p-Xylene	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK02

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) SOIL Lab Sample ID: 970718FS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG096.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 7/19/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
108-86-1	Bromobenzene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
95-49-8	2-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	p-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK03

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: 970721FS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG110.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	9.9	
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
74-97-5	Bromochloromethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
74-95-3	Dibromomethane	5	U
108-88-3	Toluene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
106-93-4	1,2-Dibromoethane	5	U
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
108-38-3	m + p-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK03

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: 970721FS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FG110.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 7/22/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
108-86-1	Bromobenzene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
95-49-8	2-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	p-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK04

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: 970723ES

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG154.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 7/23/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	2.9	J
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
74-97-5	Bromochloromethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
74-95-3	Dibromomethane	5	U
108-88-3	Toluene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
106-93-4	1,2-Dibromoethane	5	U
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
108-38-3	m + p-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK04

Lab Name: AENI Contract: VAN50

Project No.: 9707088 Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: 970723ES

Sample wt/vol: 5.0 (g/mL) G Lab File ID: EG154.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 7/23/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units: ug/Kg

CAS No.	Compound	(ug/L or ug/Kg)	Q
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
108-86-1	Bromobenzene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
95-49-8	2-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	p-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

American Environmental Network, Inc.

Case Number: L9707089
Client Name: Van Waters & Rogers, Inc.
Project Name: VWR-SANTE FE SPRINGS
Method: 6010(A), 7471

Client ID	AEN ID	Date Sampled	Date Received	Date Prepped	Date Analyzed
B2-1.0	L9707089-001	07/17/97	07/18/97	07/20,21/97	07/20-23/97
B1-1.0	L9707089-002	07/17/97	07/18/97	07/20,21/97	07/20-23/97
V3-1.0	L9707089-003	07/17/97	07/18/97	07/20,21/97	07/20-23/97
V2-1.0	L9707089-004	07/17/97	07/18/97	07/20,21/97	07/20-23/97
V6-1.0	L9707089-005	07/17/97	07/18/97	07/20,21/97	07/20-23/97
V7-1.0	L9707089-006	07/17/97	07/18/97	07/20,21/97	07/20-23/97
V4-1.0	L9707089-007	07/17/97	07/18/97	07/20,21/97	07/20-23/97
V5-1.0	L9707089-008	07/17/97	07/18/97	07/20,21/97	07/20-23/97
V10-1.0	L9707089-009	07/17/97	07/18/97	07/20,21/97	07/20-23/97
V11-1.0	L9707089-010	07/17/97	07/18/97	07/20,21/97	07/20-23/97
W1-1.0	L9707089-011	07/16/97	07/18/97	07/20,21/97	07/20-23/97
W11-1.0	L9707089-012	07/16/97	07/18/97	07/20,21/97	07/20-23/97
V8-1.0	L9707089-013	07/17/97	07/18/97	07/20,21/97	07/20-23/97
V12-1.0	L9707089-014	07/17/97	07/18/97	07/20,21/97	07/20-23/97
B4-1.0	L9707089-015	07/17/97	07/18/97	07/20,21/97	07/20-23/97
B3-1.0	L9707089-016	07/17/97	07/18/97	07/20,21/97	07/20-23/97
T5-1.0	L9707089-017	07/16/97	07/18/97	07/20,21/97	07/20-23/97
V1-1.0	L9707089-018	07/16/97	07/18/97	07/20,21/97	07/20-23/97
W5-1.0	L9707089-019	07/16/97	07/18/97	07/20,21/97	07/20-23/97
W4-1.0	L9707089-020	07/16/97	07/18/97	07/20,21/97	07/20-23/97
W12-1.0	L9707089-021	07/16/97	07/18/97	07/20,21/97	07/20-23/97
W9-1.0	L9707089-022	07/16/97	07/18/97	07/20,21/97	07/20-23/97
W10-1.0	L9707089-023	07/16/97	07/18/97	07/20,21/97	07/20-23/97
W8-1.0	L9707089-024	07/16/97	07/18/97	07/20,21/97	07/20-23/97
W7-1.0	L9707089-025	07/16/97	07/18/97	07/20,21/97	07/20-23/97
W2-1.0	L9707089-026	07/16/97	07/18/97	07/20,21/97	07/20-23/97
T1-1.0	L9707089-027	07/16/97	07/18/97	07/20,21/97	07/20-23/97
T2-1.0	L9707089-028	07/16/97	07/18/97	07/20,21/97	07/20-23/97
T3-1.0	L9707089-029	07/16/97	07/18/97	07/20,21/97	07/20-23/97
T4-1.0	L9707089-030	07/16/97	07/18/97	07/20,21/97	07/20-23/97
V13-1.0	L9707089-031	07/16/97	07/18/97	07/20,21/97	07/20-23/97
V9-1.0	L9707089-032	07/16/97	07/18/97	07/20,21/97	07/20-23/97
W3-1.0	L9707089-033	07/16/97	07/18/97	07/20,21/97	07/20-23/97
W6-1.0	L9707089-034	07/16/97	07/18/97	07/20,21/97	07/20-23/97

Thirty-four soil samples were analyzed for metals per SW846 methodology. The matrix spike and/or matrix spike duplicate recoveries were outside control limits for Sb, As, Be, Cd, Pb, Ni, Se, Ag, Tl and Zn. A post-spike was performed and reported. All samples had to be analyzed for Tl at a ten fold dilution due to spectral interference. All other quality control results were within normal control limits.

Released by: _____ Date 7/25/97

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V1-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708918

Level (low/med): LOW Date Received: 07/18/97

% Solids: 91.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.8	U	N	P
7440-38-2	Arsenic	5.8		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.49		N	P
7440-43-9	Cadmium	3.0		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	24.6			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	24.6			P
7439-89-6	Iron				NR
7439-92-1	Lead	11.5		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.08	U		AV
7440-02-0	Nickel	18.3		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.45	U	N	P
7440-22-4	Silver	0.72	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.0	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	54.8		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V2-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708904

Level (low/med): LOW Date Received: 07/18/97

% Solids: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	4.3		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.51		N	P
7440-43-9	Cadmium	2.9		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	24.2			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	19.0			P
7439-89-6	Iron				NR
7439-92-1	Lead	7.5		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		AV
7440-02-0	Nickel	16.5		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.46	U	N	P
7440-22-4	Silver	0.74	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.3	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	46.8		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V3-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708903

Level (low/med): LOW Date Received: 07/18/97

% Solids: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	4.0		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.27		N	P
7440-43-9	Cadmium	3.3		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	22.2			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	40.1			P
7439-89-6	Iron				NR
7439-92-1	Lead	11.4		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.08	U		AV
7440-02-0	Nickel	18.6		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.79	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.9	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	67.4		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V4-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708907

Level (low/med): LOW Date Received: 07/18/97

% Solids: 95.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	4.1		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.20	U	N	P
7440-43-9	Cadmium	1.5		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	7.6			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	18.2			P
7439-89-6	Iron				NR
7439-92-1	Lead	4.1		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	7.0		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.79	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.9	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	32.7		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V5-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708908

Level (low/med): LOW Date Received: 07/18/97

% Solids: 90.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	6.4		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.32		N	P
7440-43-9	Cadmium	3.5		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	32.4			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	63.9			P
7439-89-6	Iron				NR
7439-92-1	Lead	66.7		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10			AV
7440-02-0	Nickel	20.3		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.54		N	P
7440-22-4	Silver	0.86	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	177		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V6-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708905

Level (low/med): LOW Date Received: 07/18/97

% Solids: 91.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	5.2		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.37		N	P
7440-43-9	Cadmium	2.6		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	20.7			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	34.4			P
7439-89-6	Iron				NR
7439-92-1	Lead	20.0		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.13			AV
7440-02-0	Nickel	16.1		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.78	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.7	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	107		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V7-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708906

Level (low/med): LOW Date Received: 07/18/97

% Solids: 95.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	5.5		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.30		N	P
7440-43-9	Cadmium	2.1		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	18.1			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	18.4			P
7439-89-6	Iron				NR
7439-92-1	Lead	6.8		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	14.2		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.79	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.9	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	41.4		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V8-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708913

Level (low/med): LOW Date Received: 07/18/97

% Solids: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	4.3		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.50		N	P
7440-43-9	Cadmium	3.0		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	28.3			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	27.8			P
7439-89-6	Iron				NR
7439-92-1	Lead	11.2		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.08	U		AV
7440-02-0	Nickel	21.3		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.85	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.6	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	56.2		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V9-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708932

Level (low/med): LOW Date Received: 07/18/97

% Solids: 94.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	4.4		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.43		N	P
7440-43-9	Cadmium	2.9		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	23.6			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	22.4			P
7439-89-6	Iron				NR
7439-92-1	Lead	15.6		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.08	U		AV
7440-02-0	Nickel	16.7		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.79	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	74.4		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V10-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708909

Level (low/med): LOW Date Received: 07/18/97

% Solids: 93.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	4.7		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.36		N	P
7440-43-9	Cadmium	2.4		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	20.3			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	22.8			P
7439-89-6	Iron				NR
7439-92-1	Lead	16.2		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		AV
7440-02-0	Nickel	37.0		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.85	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.6	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	56.0		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V11-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708910

Level (low/med): LOW Date Received: 07/18/97

% Solids: 95.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	3.1		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.24		N	P
7440-43-9	Cadmium	2.1		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	17.5			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	22.6			P
7439-89-6	Iron				NR
7439-92-1	Lead	153		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.13			AV
7440-02-0	Nickel	12.5		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.48	U	N	P
7440-22-4	Silver	0.77	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.6	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	96.1		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V12-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708914

Level (low/med): LOW Date Received: 07/18/97

% Solids: 94.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.8	U	N	P
7440-38-2	Arsenic	4.7		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.44		N	P
7440-43-9	Cadmium	2.8		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	27.7			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	26.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	9.5		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.14			AV
7440-02-0	Nickel	18.3		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.45	U	N	P
7440-22-4	Silver	0.73	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.1	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	52.3		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V13-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708931

Level (low/med): LOW Date Received: 07/18/97

% Solids: 92.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	5.0		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.42		N	P
7440-43-9	Cadmium	2.8		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	22.8			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	23.8			P
7439-89-6	Iron				NR
7439-92-1	Lead	12.5		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		AV
7440-02-0	Nickel	16.8		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.84	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.5	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	55.5		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B1-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708902

Level (low/med): LOW Date Received: 07/18/97

% Solids: 95.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	4.4		N	P
7440-38-2	Arsenic	4.1		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.46		N	P
7440-43-9	Cadmium	2.8		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	25.7			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	23.1			P
7439-89-6	Iron				NR
7439-92-1	Lead	11.3		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		AV
7440-02-0	Nickel	19.8		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.51	U	N	P
7440-22-4	Silver	0.81	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.2	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	60.4		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B2-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708901

Level (low/med): LOW Date Received: 07/18/97

% Solids: 95.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	4.2		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.47		N	P
7440-43-9	Cadmium	2.7		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	24.6			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	21.0			P
7439-89-6	Iron				NR
7439-92-1	Lead	6.6		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	17.6		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.48	U	N	P
7440-22-4	Silver	0.76	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.5	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	49.2		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B3-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708916

Level (low/med): LOW Date Received: 07/18/97

% Solids: 94.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	6.4		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.56		N	P
7440-43-9	Cadmium	3.1		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	28.8			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	24.6			P
7439-89-6	Iron				NR
7439-92-1	Lead	7.4		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		AV
7440-02-0	Nickel	19.8		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.47	U	N	P
7440-22-4	Silver	0.74	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.3	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	46.4		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B4-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708915

Level (low/med): LOW Date Received: 07/18/97

% Solids: 93.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	5.1		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.45		N	P
7440-43-9	Cadmium	2.8		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	25.0			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	26.0			P
7439-89-6	Iron				NR
7439-92-1	Lead	10.4		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10			AV
7440-02-0	Nickel	18.3		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.52	U	N	P
7440-22-4	Silver	5.1		N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.4	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	62.9		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

T1-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708927

Level (low/med): LOW Date Received: 07/18/97

% Solids: 88.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.8	U	N	P
7440-38-2	Arsenic	4.9		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.47		N	P
7440-43-9	Cadmium	2.8		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	23.8			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	22.8			P
7439-89-6	Iron				NR
7439-92-1	Lead	6.1		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06			AV
7440-02-0	Nickel	17.4		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.45	U	N	P
7440-22-4	Silver	0.72	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	8.9	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	44.6		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

T2-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708928

Level (low/med): LOW Date Received: 07/18/97

% Solids: 87.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	5.2		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.46		N	P
7440-43-9	Cadmium	2.9		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	24.6			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	24.8			P
7439-89-6	Iron				NR
7439-92-1	Lead	14.8		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		AV
7440-02-0	Nickel	18.1		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.47	U	N	P
7440-22-4	Silver	0.75	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.4	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	67.1		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

T3-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708929

Level (low/med): LOW Date Received: 07/18/97

% Solids: 87.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.3	U	N	P
7440-38-2	Arsenic	5.2		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.31		N	P
7440-43-9	Cadmium	3.1		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	23.8			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	39.8			P
7439-89-6	Iron				NR
7439-92-1	Lead	62.8		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.15			AV
7440-02-0	Nickel	18.8		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.90	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	11.3	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	226		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

T4-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708930

Level (low/med): LOW Date Received: 07/18/97

% Solids: 92.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	3.4		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.25		N	P
7440-43-9	Cadmium	2.0		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	17.4			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	15.8			P
7439-89-6	Iron				NR
7439-92-1	Lead	4.8		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.08			AV
7440-02-0	Nickel	12.0		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.50	U	N	P
7440-22-4	Silver	0.80	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	33.2		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

T5-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708917

Level (low/med): LOW Date Received: 07/18/97

% Solids: 76.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	11.6		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.43		N	P
7440-43-9	Cadmium	3.8		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	36.6			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	37.9			P
7439-89-6	Iron				NR
7439-92-1	Lead	128		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.26			AV
7440-02-0	Nickel	30.6		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.67		N	P
7440-22-4	Silver	1.5		N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.7	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	107		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W1-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708911

Level (low/med): LOW Date Received: 07/18/97

% Solids: 96.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.6	U	N	P
7440-38-2	Arsenic	3.3		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.16	U	N	P
7440-43-9	Cadmium	1.5		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	8.7			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	13.2			P
7439-89-6	Iron				NR
7439-92-1	Lead	3.5		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	7.3		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.39	U	N	P
7440-22-4	Silver	0.62	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	7.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	34.3		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W2-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708926

Level (low/med): LOW Date Received: 07/18/97

% Solids: 90.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	4.7		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.61		N	P
7440-43-9	Cadmium	3.2		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	28.0			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	21.7			P
7439-89-6	Iron				NR
7439-92-1	Lead	6.8		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.08	U		AV
7440-02-0	Nickel	20.0		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.86	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	52.1		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W3-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708933

Level (low/med): LOW Date Received: 07/18/97

% Solids: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	5.7		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.56		N	P
7440-43-9	Cadmium	3.2		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	29.0			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	23.2			P
7439-89-6	Iron				NR
7439-92-1	Lead	6.5		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.08	U		AV
7440-02-0	Nickel	20.1		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.55	U	N	P
7440-22-4	Silver	0.88	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.9	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	47.9		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W4-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708920

Level (low/med): LOW Date Received: 07/18/97

% Solids: 84.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.4	U	N	P
7440-38-2	Arsenic	3.5		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.17		N	P
7440-43-9	Cadmium	1.7		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	11.0			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	15.3			P
7439-89-6	Iron				NR
7439-92-1	Lead	6.6		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.04	U		AV
7440-02-0	Nickel	9.2		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.36	U	N	P
7440-22-4	Silver	0.58	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	7.2	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	44.0		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W5-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708919

Level (low/med): LOW Date Received: 07/18/97

% Solids: 87.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	4.8		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.61		N	P
7440-43-9	Cadmium	3.3		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	30.4			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	23.1			P
7439-89-6	Iron				NR
7439-92-1	Lead	6.9		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	20.0		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.86	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	50.7		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W6-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708934

Level (low/med): LOW Date Received: 07/18/97

% Solids: 93.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.8	U	N	P
7440-38-2	Arsenic	3.7		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.45		N	P
7440-43-9	Cadmium	2.7		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	22.0			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	18.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	5.6		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.03	U		AV
7440-02-0	Nickel	15.1		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.45	U	N	P
7440-22-4	Silver	0.72	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.0	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	42.9		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W7-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708925

Level (low/med): LOW Date Received: 07/18/97

% Solids: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	4.2		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.38		N	P
7440-43-9	Cadmium	2.7		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	21.1			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	21.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	24.1		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	15.8		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.48	U	N	P
7440-22-4	Silver	0.77	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.7	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	102		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W8-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708924

Level (low/med): LOW Date Received: 07/18/97

% Solids: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.7	U	N	P
7440-38-2	Arsenic	2.5		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.34		N	P
7440-43-9	Cadmium	2.1		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	18.0			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	16.1			P
7439-89-6	Iron				NR
7439-92-1	Lead	4.8		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	12.7		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.43	U	N	P
7440-22-4	Silver	0.68	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	8.5	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	37.8		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W9-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708922

Level (low/med): LOW Date Received: 07/18/97

% Solids: 87.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	3.7		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.22	U	N	P
7440-43-9	Cadmium	1.8		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	11.2			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	17.0			P
7439-89-6	Iron				NR
7439-92-1	Lead	4.8		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	8.6		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.55	U	N	P
7440-22-4	Silver	0.88	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	11.0	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	37.8		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W10-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708923

Level (low/med): LOW Date Received: 07/18/97

% Solids: 86.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.8	U	N	P
7440-38-2	Arsenic	4.1		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.51		N	P
7440-43-9	Cadmium	2.9		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	24.9			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	19.1			P
7439-89-6	Iron				NR
7439-92-1	Lead	7.5		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	17.6		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.44	U	N	P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	8.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	53.1		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W11-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708912

Level (low/med): LOW Date Received: 07/18/97

% Solids: 87.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	5.4		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.40		N	P
7440-43-9	Cadmium	2.8		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	23.9			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	27.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	22.1		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	19.4		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.86	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	74.8		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W12-1.0

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Lab Sample ID: 970708921

Level (low/med): LOW Date Received: 07/18/97

% Solids: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	5.2		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.37		N	P
7440-43-9	Cadmium	3.2		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	29.8			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	54.0			P
7439-89-6	Iron				NR
7439-92-1	Lead	118		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.12			AV
7440-02-0	Nickel	32.5		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.50	U	N	P
7440-22-4	Silver	0.77	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.7	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	123		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

3
BLANKS

Lab Name: AENI_____ Contract: 9707089___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1-1.0

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony									2.000	U	P
Arsenic									0.800	U	P
Barium											NR
Beryllium									0.200	U	P
Cadmium									0.400	U	P
Calcium											NR
Chromium									1.000	U	P
Cobalt											NR
Copper									2.500	U	P
Iron											NR
Lead									1.000	U	P
Magnesium											NR
Manganese											NR
Mercury									0.100	U	AV
Nickel									1.500	U	P
Potassium											NR
Selenium									0.500	U	P
Silver									0.800	U	P
Sodium											NR
Thallium									1.000	U	P
Vanadium											NR
Zinc									2.000	U	P
Cyanide											NR

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3
BLANKS

Lab Name: AENI_____ Contract: 9707089___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1-1.0

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony									2.000	U	P
Arsenic									0.800	U	P
Barium											NR
Beryllium									0.200	U	P
Cadmium									0.400	U	P
Calcium											NR
Chromium									1.000	U	P
Cobalt											NR
Copper									2.500	U	P
Iron											NR
Lead									1.000	U	P
Magnesium											NR
Manganese											NR
Mercury									0.100	U	AV
Nickel									1.500	U	P
Potassium											NR
Selenium									0.500	U	P
Silver									0.800	U	P
Sodium											NR
Thallium									1.000	U	P
Vanadium											NR
Zinc									2.000	U	P
Cyanide											NR

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
B2-1.0S

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 95.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	1.1867		0.1047	U	1.00	118.7		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
MATRIX_SPIKE

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
B2-1.0M

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 95.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	1.0272		0.1047	U	1.00	102.7		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
MATRIX_SPIKE_DUPLICATE

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

T5-1.0S

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 76.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	2.7961		1.9459	U	10.78	25.9	N	P
Arsenic	80-120	21.1710		11.5922		10.78	88.9		P
Barium									NR
Beryllium	80-120	4.8287		0.4301		5.39	81.6		P
Cadmium	80-120	8.3348		3.8398		5.39	83.4		P
Calcium									NR
Chromium	80-120	57.9268		36.6368		21.55	98.8		P
Cobalt									NR
Copper	80-120	62.3351		37.9140		26.94	90.6		P
Iron									NR
Lead	80-120	157.3664		127.7744		53.88	54.9	N	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	80-120	75.9538		30.6118		53.88	84.2		P
Potassium									NR
Selenium	80-120	8.7334		0.6702		10.78	74.8	N	P
Silver	80-120	10.2110		1.4931		10.78	80.9		P
Sodium									NR
Thallium	80-120	10.7750	U	9.7297	U	10.78	0.0	N	P
Vanadium									NR
Zinc	80-120	140.7203		107.2138		53.88	62.2	N	P
Cyanide									NR

Comments:
MATRIX_SPIKE

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
T5-1.0M

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 76.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	3.2738		1.9459	U	10.27	31.9	N	P
Arsenic	80-120	20.1294		11.5922		10.27	83.1		P
Barium									NR
Beryllium	80-120	4.6509		0.4301		5.13	82.3		P
Cadmium	80-120	8.1440		3.8398		5.13	83.9		P
Calcium									NR
Chromium	80-120	56.1325		36.6368		20.53	95.0		P
Cobalt									NR
Copper	80-120	59.1936		37.9140		25.66	82.9		P
Iron									NR
Lead	80-120	154.1421		127.7744		51.33	51.4	N	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	80-120	73.9836		30.6118		51.33	84.5		P
Potassium									NR
Selenium	80-120	8.5589		0.6702		10.27	76.8	N	P
Silver	80-120	10.0655		1.4931		10.27	83.5		P
Sodium									NR
Thallium	80-120	10.2660	U	9.7297	U	10.27	0.0	N	P
Vanadium									NR
Zinc	80-120	141.9583		107.2138		51.33	67.7	N	P
Cyanide									NR

Comments:
MATRIX_SPIKE_DUPLICATE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
W12-1.0S

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	0.9648		0.1213		0.86	98.1		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
MATRIX_SPIKE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
W12-1.0M

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	0.9899		0.1213		0.90	96.5		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
MATRIX_SPIKE_DUPLICATE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

W6-1.0S

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 93.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	3.5904		1.7975	U	10.59	33.9	N	P
Arsenic	80-120	11.7133		3.7479		10.59	75.2	N	P
Barium									NR
Beryllium	80-120	4.6814		0.4482		5.29	80.0		P
Cadmium	80-120	6.8192		2.6545		5.29	78.7	N	P
Calcium									NR
Chromium	80-120	39.9888		22.0463		21.18	84.7		P
Cobalt									NR
Copper	80-120	40.0810		18.4778		26.47	81.6		P
Iron									NR
Lead	80-120	48.0316		5.6221		52.95	80.1		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	80-120	58.7343		15.0632		52.95	82.5		P
Potassium									NR
Selenium	80-120	7.9104		0.4494	U	10.59	74.7	N	P
Silver	80-120	8.5956		0.7190	U	10.59	81.2		P
Sodium									NR
Thallium	80-120	10.5893	U	8.9876	U	10.59	0.0	N	P
Vanadium									NR
Zinc	80-120	83.7606		42.8568		52.95	77.2	N	P
Cyanide									NR

Comments:
MATRIX_SPIKE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

W6-1.0M

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 93.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	2.8398		1.7975	U	9.46	30.0	N	P
Arsenic	80-120	10.7872		3.7479		9.46	74.4	N	P
Barium									NR
Beryllium	80-120	4.1433		0.4482		4.73	78.1	N	P
Cadmium	80-120	6.3906		2.6545		4.73	79.0	N	P
Calcium									NR
Chromium	80-120	37.3852		22.0463		18.93	81.0		P
Cobalt									NR
Copper	80-120	37.9198		18.4778		23.66	82.2		P
Iron									NR
Lead	80-120	41.9894		5.6221		47.32	76.9	N	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	80-120	52.8260		15.0632		47.32	79.8	N	P
Potassium									NR
Selenium	80-120	6.9542		0.4494	U	9.46	73.5	N	P
Silver	80-120	7.4786		0.7190	U	9.46	79.1	N	P
Sodium									NR
Thallium	80-120	9.4648	U	8.9876	U	9.46	0.0	N	P
Vanadium									NR
Zinc	80-120	78.6986		42.8568		47.32	75.7	N	P
Cyanide									NR

Comments:
MATRIX_SPIKE_DUPLICATE

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

T5-1.0A

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water) : SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Aluminum									NR
Antimony		205.87		20.00	U	200.0	102.9		P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead		1488.73		1313.24		200.0	87.7		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium		24.28		6.89		20.0	86.9		P
Silver									NR
Sodium									NR
Thallium		100.00	U	100.00	U	20.0	0.0		P
Vanadium									NR
Zinc		1995.40		1101.92		1000.0	89.3		P
Cyanide									NR

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

W6-1.0A

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water) : SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Aluminum									NR
Antimony		170.25		20.00	U	200.0	85.1		P
Arsenic		57.85		41.70		20.0	80.7		P
Barium									NR
Beryllium		85.93		4.99		100.0	80.9		P
Cadmium		110.69		29.53		100.0	81.2		P
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead		223.48		62.55		200.0	80.5		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel		983.32		167.60		1000.0	81.6		P
Potassium									NR
Selenium		16.10		5.00	U	20.0	80.5		P
Silver		170.64		8.00	U	200.0	85.3		P
Sodium									NR
Thallium		100.00	U	100.00	U	20.0	0.0		P
Vanadium									NR
Zinc		1271.23		476.85		1000.0	79.4		P
Cyanide									NR

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

B2-1.0D

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 95.5 % Solids for Duplicate: 95.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury		0.1047	U	0.0511	U			AV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

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6
DUPLICATES

EPA SAMPLE NO.
T5-1.0D

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 76.7 % Solids for Duplicate: 76.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		1.9459	U	2.1029	U			P
Arsenic		11.5922		11.6206		0.2		P
Barium								NR
Beryllium	0.2	0.4301		0.4421		2.8		P
Cadmium		3.8398		3.8707		0.8		P
Calcium								NR
Chromium		36.6368		37.7250		2.9		P
Cobalt								NR
Copper		37.9140		40.9646		7.7		P
Iron								NR
Lead		127.7744		128.9307		0.9		P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel		30.6118		32.0218		4.5		P
Potassium								NR
Selenium	0.5	0.6702		0.5939		12.1		P
Silver	0.8	1.4931		1.5531		3.9		P
Sodium								NR
Thallium		9.7297	U	10.5144	U			P
Vanadium								NR
Zinc		107.2138		110.0661		2.6		P
Cyanide								NR

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

W12-1.0D

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.3 % Solids for Duplicate: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury	0.1	0.1213		0.1680		32.3		AV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.
W6-1.0D

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 93.5 % Solids for Duplicate: 93.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		1.7975	U	1.9806	U			P
Arsenic	0.7	3.7479		3.5697		4.9		P
Barium								NR
Beryllium	0.2	0.4482		0.4221		6.0		P
Cadmium		2.6545		2.5894		2.5		P
Calcium								NR
Chromium		22.0463		21.4061		2.9		P
Cobalt								NR
Copper		18.4778		17.6393		4.6		P
Iron								NR
Lead		5.6221		5.3476		5.0		P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel		15.0632		14.5105		3.7		P
Potassium								NR
Selenium		0.4494	U	0.4951	U			P
Silver		0.7190	U	0.7922	U			P
Sodium								NR
Thallium		8.9876	U	9.9030	U			P
Vanadium								NR
Zinc		42.8568		41.8032		2.5		P
Cyanide								NR

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7

LABORATORY CONTROL SAMPLE

Lab Name: AENI_____ Contract: 9707089___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1-1.0

Solid LCS Source: _____

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	1.0	1.03	103.0						
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: AENI_____ Contract: 9707089___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1-1.0

Solid LCS Source: _____

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	1.0	0.94	94.0						
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony	100.0	91.50	91.5						
Arsenic	100.0	92.00	92.0						
Barium									
Beryllium	50.0	47.42	94.8						
Cadmium	50.0	48.87	97.7						
Calcium									
Chromium	200.0	191.95	96.0						
Cobalt									
Copper	250.0	244.95	98.0						
Iron									
Lead	500.0	482.39	96.5						
Magnesium									
Manganese									
Mercury									
Nickel	500.0	490.78	98.2						
Potassium									
Selenium	100.0	86.96	87.0						
Silver	100.0	93.85	93.8						
Sodium									
Thallium	100.0	92.88	92.9						
Vanadium									
Zinc	500.0	477.97	95.6						
Cyanide									

7
LABORATORY CONTROL SAMPLE

Lab Name: AENI_____ Contract: 9707089___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1-1.0

Solid LCS Source: _____

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony	100.0	99.56	99.6						
Arsenic	100.0	96.01	96.0						
Barium									
Beryllium	50.0	48.49	97.0						
Cadmium	50.0	50.82	101.6						
Calcium									
Chromium	200.0	202.92	101.5						
Cobalt									
Copper	250.0	255.13	102.1						
Iron									
Lead	500.0	504.52	100.9						
Magnesium									
Manganese									
Mercury									
Nickel	500.0	516.50	103.3						
Potassium									
Selenium	100.0	95.73	95.7						
Silver	100.0	98.16	98.2						
Sodium									
Thallium	100.0	98.46	98.5						
Vanadium									
Zinc	500.0	495.23	99.0						
Cyanide									

10
Instrument Detection Limits (Quarterly)

Name: AENI Contract: 9707089

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1-1.0

ICP ID Number: Date: 04/01/97

Flame AA ID Number : PE_3100

Furnace AA ID Number :

Analyte	Wavelength (nm)	Background	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			20		NR
Arsenic			8		NR
Barium			100		NR
Beryllium			2		NR
Cadmium			4		NR
Calcium			500		NR
Chromium			10		NR
Cobalt			11		NR
Copper			10		NR
Iron			100		NR
Lead			10		NR
Magnesium			500		NR
Manganese			15		NR
Mercury	253.05		0.2	0.2	AV
Nickel			15		NR
Potassium			1000		NR
Selenium			5		NR
Silver			8		NR
Sodium			1000		NR
Thallium			10		NR
Vanadium			16		NR
Zinc			20		NR

Comments:

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Instrument Detection Limits (Quarterly)

Lab Name: AENI_____ Contract: 9707089___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1-1.0

ICP ID Number: TJA_TRACE_PB Date: 04/28/97

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony	206.83		20	20.0	P
Arsenic	189.04		8	8.0	P
Barium			100		NR
Beryllium	313.04		2	2.0	P
Cadmium	226.50		4	4.0	P
Calcium			500		NR
Chromium	267.72		10	10.0	P
Cobalt			11		NR
Copper	324.75		10	25.0	P
Iron			100		NR
Lead	220.35		10	10.0	P
Magnesium			500		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel	231.60		15	15.0	P
Potassium			1000		NR
Selenium	196.02		5	5.0	P
Silver	328.07		8	8.0	P
Sodium			1000		NR
Thallium	190.86		10	10.0	P
Vanadium			16		NR
Zinc	206.20		20	20.0	P

Comments:

AMERICAN ENVIRONMENTAL NETWORK,INC.

9151 Rumsey Road Suite 150, Columbia, MD 21045-1992
(410) 730-8525 Fax (410) 997-2586

July 25, 1997

Client: Van Waters & Rogers, Inc.

Project: Santa Fe Springs Job#38878.1

Case: 9707090

Analysis: Metals

Client ID	AENI ID	Date Sampled	Date Received	Date Analyzed
B2(2.5+5.5 COMP)	9707090-001	07/17/97	07/18/97	07/21-23/97
B1(2.5+5.5 COMP)	9707090-002	07/17/97	07/18/97	07/21-23/97
V3(2.5+5.5 COMP)	9707090-003	07/17/97	07/18/97	07/21-23/97
V2(2.5+5.5 COMP)	9707090-004	07/17/97	07/18/97	07/21-23/97
V6(2.5+5.5 COMP)	9707090-005	07/17/97	07/18/97	07/21-23/97
V7(2.5+5.5 COMP)	9707090-006	07/17/97	07/18/97	07/21-23/97
V4(2.5+5.5 COMP)	9707090-007	07/17/97	07/18/97	07/21-23/97
V5(2.5+5.5 COMP)	9707090-008	07/17/97	07/18/97	07/21-23/97
V10(2.5+5.5 COMP)	9707090-009	07/17/97	07/18/97	07/21-23/97
V11(2.5+5.5 COMP)	9707090-010	07/17/97	07/18/97	07/21-23/97
W1(2.5+5.5 COMP)	9707090-011	07/17/97	07/18/97	07/21-23/97
W11(2.5+5.5 COMP)	9707090-012	07/17/97	07/18/97	07/21-23/97
V8(2.5+5.5 COMP)	9707090-013	07/17/97	07/18/97	07/21-23/97
V12(2.5+5.5 COMP)	9707090-014	07/17/97	07/18/97	07/21-23/97
B4(2.5+5.5 COMP)	9707090-015	07/17/97	07/18/97	07/21-23/97
B3(2.5+5.5 COMP)	9707090-016	07/17/97	07/18/97	07/21-23/97
T5(2.5+5.5 COMP)	9707090-017	07/17/97	07/18/97	07/21-23/97

AMERICAN ENVIRONMENTAL NETWORK,INC.

9151 Rumsey Road Suite 150, Columbia, MD 21045-1992
(410) 730-8525 Fax (410) 997-2586

July 25, 1997

Client: Van Waters & Rogers, Inc.

Project: Santa Fe Springs Job#38878.1

Case: 9707090

Analysis: Metals

Client ID	AENI ID	Date Sampled	Date Received	Date Analyzed
V1(2.5+5.5 COMP)	9707090-018	07/17/97	07/18/97	07/21-23/97
W5(2.5+5.5 COMP)	9707090-019	07/17/97	07/18/97	07/21-23/97
W4(2.5+5.5 COMP)	9707090-020	07/17/97	07/18/97	07/21-23/97
W12(2.5+5.5 COMP)	9707090-021	07/17/97	07/18/97	07/21-23/97
W9(2.5+5.5 COMP)	9707090-022	07/17/97	07/18/97	07/21-23/97
W10(2.5+5.5 COMP)	9707090-023	07/17/97	07/18/97	07/21-23/97
W8(2.5+5.5 COMP)	9707090-024	07/17/97	07/18/97	07/21-23/97
W7(2.5+5.5 COMP)	9707090-025	07/17/97	07/18/97	07/21-23/97
W2(2.5+5.5 COMP)	9707090-026	07/17/97	07/18/97	07/21-23/97
T1(2.5+5.5 COMP)	9707090-027	07/17/97	07/18/97	07/21-23/97
T2(2.5+5.5 COMP)	9707090-028	07/17/97	07/18/97	07/21-23/97
T3(2.5+5.5 COMP)	9707090-029	07/17/97	07/18/97	07/21-23/97
T4(2.5+5.5 COMP)	9707090-030	07/17/97	07/18/97	07/21-23/97
V13(2.5+5.5 COMP)	9707090-031	07/17/97	07/18/97	07/21-23/97
V9(2.5+5.5 COMP)	9707090-032	07/17/97	07/18/97	07/21-23/97
W3(2.5+5.5 COMP)	9707090-033	07/17/97	07/18/97	07/21-23/97
W6(2.5+5.5 COMP)	9707090-034	07/17/97	07/18/97	07/21-23/97

AMERICAN ENVIRONMENTAL NETWORK,INC.

9151 Rumsey Road Suite 150, Columbia, MD 21045-1992
(410) 730-8525 Fax (410) 997-2586

July 25, 1997

Client: Van Waters & Rogers, Inc.

Project: Santa Fe Springs Job#38878.1

Case: 9707090

Analysis: Metals

Thirty-four soil samples were received and analyzed for metals per SW846 methodologies. Results are reported in units of mg/kg dry weight.

The matrix spike and/or matrix spike duplicate for sample 9707090-017 was outside acceptable limits for Antimony, Arsenic, Beryllium, Cadmium, Chromium, Lead, Selenium, Thallium and Zinc. A post spike was analyzed and is reported within. The matrix spike and/or matrix spike duplicate for sample 9707090-034 was outside acceptable limits for Antimony, Arsenic, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Thallium and Zinc. A post spike was analyzed and is reported within.

All of the samples contained a negative interferant for the analysis of Thallium, necessitating dilution of the samples ten fold in order to remove the interferant.

This report consists of forms containing sample and quality control results.

Report Released By _____

Christopher Baggett
Inorganic Laboratory Manager

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V1

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709018

Level (low/med): LOW Date Received: 07/18/97

% Solids: 88.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	5.2		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.56		N	P
7440-43-9	Cadmium	3.1		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	26.5		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	25.6		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	9.9		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	20.5		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.52	U	N	P
7440-22-4	Silver	0.83	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.4	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	56.0		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V1(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V2

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709004

Level (low/med): LOW Date Received: 07/18/97

% Solids: 90.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.7	U	N	P
7440-38-2	Arsenic	4.6		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.46		N	P
7440-43-9	Cadmium	2.8		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	24.2		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	22.9		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	6.1		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	18.5		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.42	U	N	P
7440-22-4	Silver	0.67	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	8.3	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	44.9		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V2(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V3

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709003

Level (low/med): LOW Date Received: 07/18/97

% Solids: 89.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	5.4		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.50		N	P
7440-43-9	Cadmium	3.2		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	28.3		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	27.4		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	7.2		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	21.5		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.55	U	N	P
7440-22-4	Silver	0.87	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.9	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	50.8		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V3(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V4

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709007

Level (low/med): LOW Date Received: 07/18/97

% Solids: 89.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	7.1		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.33		N	P
7440-43-9	Cadmium	3.0		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	21.0		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	29.3		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	30.9		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	16.8		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.52	U	N	P
7440-22-4	Silver	0.82	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.3	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	121		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V4(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V5

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709008

Level (low/med): LOW Date Received: 07/18/97

% Solids: 83.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	8.2		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.54		N	P
7440-43-9	Cadmium	3.4		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	29.6		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	37.9		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	14.6		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	29.0		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.89	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	11.1	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	73.2		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V5(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V6

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709005

Level (low/med): LOW Date Received: 07/18/97

% Solids: 88.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0		N	P
7440-38-2	Arsenic	8.6		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.29		N	P
7440-43-9	Cadmium	5.1		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	39.5		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	63.3		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	23.6		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	39.0		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.48	U	N	P
7440-22-4	Silver	0.77	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.6	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	153		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V6(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V7

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709006

Level (low/med): LOW Date Received: 07/18/97

% Solids: 90.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.8	U	N	P
7440-38-2	Arsenic	5.5		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.35		N	P
7440-43-9	Cadmium	2.6		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	20.8		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	22.4		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	10.0		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	16.7		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.44	U	N	P
7440-22-4	Silver	0.71	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	8.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	47.4		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V7(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V8

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709013

Level (low/med): LOW Date Received: 07/18/97

% Solids: 84.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	13.0		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.49		N	P
7440-43-9	Cadmium	3.3		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	27.9		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	42.9		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	10.0		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	26.4		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.89	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	11.1	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	58.9		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V8(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V9

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709032

Level (low/med): LOW Date Received: 07/18/97

% Solids: 92.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	5.3		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.44		N	P
7440-43-9	Cadmium	2.8		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	23.4		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	25.1		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	25.7		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.11	U		AV
7440-02-0	Nickel	18.5		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.48	U	N	P
7440-22-4	Silver	0.77	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.6	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	78.9		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V9(2.5+5.5_COMP)

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V10

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709009

Level (low/med): LOW Date Received: 07/18/97

% Solids: 87.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	4.1		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.36		N	P
7440-43-9	Cadmium	2.6		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	21.7		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	23.0		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	18.8		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	17.2		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.86	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	70.6		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V10(2.5+5.5_COMP)

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V11

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709010

Level (low/med): LOW Date Received: 07/18/97

% Solids: 90.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	4.5		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.35		N	P
7440-43-9	Cadmium	2.7		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	21.6		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	25.0		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	29.6		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	17.3		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.47	U	N	P
7440-22-4	Silver	0.75	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.4	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	75.4		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V11(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V12

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709014

Level (low/med): LOW Date Received: 07/18/97

% Solids: 89.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.8	U	N	P
7440-38-2	Arsenic	7.1		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.30		N	P
7440-43-9	Cadmium	2.5		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	20.5		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	25.8		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	6.3		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.17			AV
7440-02-0	Nickel	18.8		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.46	U	N	P
7440-22-4	Silver	0.73	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.1	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	46.5		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V12(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

V13

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709031

Level (low/med): LOW Date Received: 07/18/97

% Solids: 82.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.3	U	N	P
7440-38-2	Arsenic	6.9		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.64		N	P
7440-43-9	Cadmium	3.4		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	30.7		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	34.1		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	8.3		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	25.0		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.90	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	11.3	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	57.7		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: V13(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B1

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709002

Level (low/med): LOW Date Received: 07/18/97

% Solids: 90.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.8	U	N	P
7440-38-2	Arsenic	5.1		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.48		N	P
7440-43-9	Cadmium	3.0		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	25.7		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	24.1		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	7.0		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	20.8		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.44	U	N	P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	8.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	49.4		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: B1(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B2

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709001

Level (low/med): LOW Date Received: 07/18/97

% Solids: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	6.4		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.45		N	P
7440-43-9	Cadmium	3.2		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	27.2		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	32.7		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	7.9		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.13			AV
7440-02-0	Nickel	23.8		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.78	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	55.1		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: B2(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B3

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709016

Level (low/med): LOW Date Received: 07/18/97

% Solids: 87.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	9.0		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.51		N	P
7440-43-9	Cadmium	2.9		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	26.5		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	31.9		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	8.1		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	21.8		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.78	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	49.9		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: B3(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B4

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709015

Level (low/med): LOW Date Received: 07/18/97

% Solids: 93.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	5.4		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.28		N	P
7440-43-9	Cadmium	2.2		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	17.4		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	19.6		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	10.7		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	14.3		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.52	U	N	P
7440-22-4	Silver	0.84	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.4	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	45.2		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: B4(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

T1

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709027

Level (low/med): LOW Date Received: 07/18/97

% Solids: 85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	5.3		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.46		N	P
7440-43-9	Cadmium	2.9		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	24.8		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	24.7		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	6.8		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.11	U		AV
7440-02-0	Nickel	18.4		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.85	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.6	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	48.2		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT ID: T1(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

T2

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709028

Level (low/med): LOW Date Received: 07/18/97

% Solids: 88.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	6.1		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.40		N	P
7440-43-9	Cadmium	2.6		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	21.7		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	22.0		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	19.2		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		AV
7440-02-0	Nickel	16.7		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.79	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.9	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	59.5		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: T2(2.5+5.5_COMP)

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

T3

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709029

Level (low/med): LOW Date Received: 07/18/97

% Solids: 86.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	5.7		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.47		N	P
7440-43-9	Cadmium	2.9		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	23.6		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	23.8		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	15.5		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	19.1		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.84	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.6	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	60.1		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: T3(2.5+5.5_COMP)

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

T4

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709030

Level (low/med): LOW Date Received: 07/18/97

% Solids: 74.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.7	U	N	P
7440-38-2	Arsenic	7.4		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.70		N	P
7440-43-9	Cadmium	4.1		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	37.1		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	39.4		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	10.1		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.12	U		AV
7440-02-0	Nickel	29.2		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.67	U	N	P
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	13.4	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	66.5		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: T4(2.5+5.5_COMP)

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

T5

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709017

Level (low/med): LOW Date Received: 07/18/97

% Solids: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	5.6		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.38		N	P
7440-43-9	Cadmium	2.7		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	21.3		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	24.9		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	6.3		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.08	U		AV
7440-02-0	Nickel	18.6		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.86	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.7	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	45.2		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: T5(2.5+5.5_COMP)

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W1

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709011

Level (low/med): LOW Date Received: 07/18/97

% Solids: 89.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	5.0		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.52		N	P
7440-43-9	Cadmium	3.1		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	24.9		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	22.6		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	7.3		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.11	U		AV
7440-02-0	Nickel	19.3		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.52	U	N	P
7440-22-4	Silver	0.83	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.3	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	48.5		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: W1(2.5+5.5_COMP)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W2

ame: AENI Contract: 9707090

ode: Case No.: VAN50 SAS No.: SDG No.: B1

x (soil/water): SOIL Lab Sample ID: 970709026

(low/med): LOW Date Received: 07/18/97

ids: 89.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	5.0		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.61		N	P
7440-43-9	Cadmium	3.2		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	28.9		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	26.3		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	7.3		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.30			AV
7440-02-0	Nickel	21.2		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.85	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.6	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	52.3		N	P
	Cyanide				NR

Before: Clarity Before: Texture:

After: Clarity After: Artifacts:

nts:

IENT_ID: W2(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W3

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709033

Level (low/med): LOW Date Received: 07/18/97

% Solids: 91.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	4.9		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.56		N	P
7440-43-9	Cadmium	3.1		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	27.5		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	25.3		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	7.1		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	21.2		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.52	U	N	P
7440-22-4	Silver	0.84	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.5	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	51.0		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: W3(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE No.

W4

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 9707090 20

Level (low/med): LOW Date Received: 07/18/97

% Solids: 90.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	4.5		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.47		N	P
7440-43-9	Cadmium	2.8		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	27.8		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	22.3		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	14.6		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		AV
7440-02-0	Nickel	19.0		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.60		N	P
7440-22-4	Silver	0.85	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.6	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	71.6		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: W4(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W5

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709019

Level (low/med): LOW Date Received: 07/18/97

% Solids: 88.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	5.7		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.64		N	P
7440-43-9	Cadmium	3.6		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	30.6		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	29.6		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	7.8		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	24.7		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.90	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	11.2	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	61.4		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: W5(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W6

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709034

Level (low/med): LOW Date Received: 07/18/97

% Solids: 87.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	6.3		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.66		N	P
7440-43-9	Cadmium	3.4		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	30.6		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	29.0		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	8.1		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	22.7		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.86	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.8	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	53.6		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: W6(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W7

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709025

Level (low/med): LOW Date Received: 07/18/97

% Solids: 91.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	5.9		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.47		N	P
7440-43-9	Cadmium	2.9		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	23.9		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	26.2		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	24.4		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.08	U		AV
7440-02-0	Nickel	18.7		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.54		N	P
7440-22-4	Silver	0.84	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.5	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	84.7		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: W7(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W8

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709024

Level (low/med): LOW Date Received: 07/18/97

% Solids: 91.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	4.2		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.42		N	P
7440-43-9	Cadmium	2.6		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	21.1		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	19.6		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	15.0		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.05			AV
7440-02-0	Nickel	15.1		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.56		N	P
7440-22-4	Silver	0.75	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.3	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	57.7		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: W8(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W9

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709022

Level (low/med): LOW Date Received: 07/18/97

% Solids: 88.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	5.6		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.63		N	P
7440-43-9	Cadmium	3.4		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	29.9		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	26.9		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	7.6		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	21.9		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.90	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	11.2	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	53.5		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: W9(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W10

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709023

Level (low/med): LOW Date Received: 07/18/97

% Solids: 89.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	1.8	U	N	P
7440-38-2	Arsenic	4.2		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.53		N	P
7440-43-9	Cadmium	3.1		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	29.4		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	23.2		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	6.8		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		AV
7440-02-0	Nickel	19.3		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.46	U	N	P
7440-22-4	Silver	0.74	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	9.2	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	50.3		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: W10(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W11

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709012

Level (low/med): LOW Date Received: 07/18/97

% Solids: 88.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	4.5		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.41		N	P
7440-43-9	Cadmium	2.8		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	23.0		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	24.9		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	10.6		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.08	U		AV
7440-02-0	Nickel	19.6		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.51	U	N	P
7440-22-4	Silver	0.81	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.1	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	57.5		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: W11(2.5+5.5_COMP)

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

W12

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Lab Sample ID: 970709021

Level (low/med): LOW Date Received: 07/18/97

% Solids: 87.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	5.6		N	P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.46		N	P
7440-43-9	Cadmium	3.2		N	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	24.6		N	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	30.0		N	P
7439-89-6	Iron				NR
7439-92-1	Lead	43.4		N	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		AV
7440-02-0	Nickel	18.7		N	P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.74		N	P
7440-22-4	Silver	0.83	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	10.3	U	N	P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	137		N	P
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT_ID: W12(2.5+5.5_COMP)

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3
BLANKS

Lab Name: AENI_____ Contract: 9707090___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1____

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony									2.000	U	P
Arsenic									0.800	U	P
Barium											NR
Beryllium									0.200	U	P
Cadmium									0.400	U	P
Calcium											NR
Chromium									1.000	U	P
Cobalt											NR
Copper									2.500	U	P
Iron											NR
Lead									1.000	U	P
Magnesium											NR
Manganese											NR
Mercury									0.100	U	AV
Nickel									1.500	U	P
Potassium											NR
Selenium									0.500	U	P
Silver									0.800	U	P
Sodium											NR
Thallium									1.000	U	P
Vanadium											NR
Zinc									2.000	U	P
Cyanide											NR

3
BLANKS

Lab Name: AENI_____ Contract: 9707090___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1____

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony									2.000	U	P
Arsenic									0.800	U	P
rium											NR
eryllium									0.200	U	P
Cadmium									0.400	U	P
Calcium											NR
Chromium									1.000	U	P
Cobalt											NR
Copper									2.500	U	P
Iron											NR
Lead									1.000	U	P
Magnesium											NR
Manganese											NR
Mercury									0.100	U	AV
Nickel									1.500	U	P
Potassium											NR
Selenium									0.500	U	P
Silver									0.800	U	P
Sodium											NR
Thallium									1.000	U	P
Vanadium											NR
Zinc									2.000	U	P
Cyanide											NR

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3
BLANKS

Lab Name: AENI_____ Contract: 9707090___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1____

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury									0.100	U	AV
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

T5S

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	2.2847		2.1465	U	8.89	25.7	N	P
Arsenic	80-120	12.3412		5.5898		8.89	75.9	N	P
Barium									NR
Beryllium	80-120	3.8755		0.3844		4.44	78.6	N	P
Cadmium	80-120	6.0707		2.6754		4.44	76.5	N	P
Calcium									NR
Chromium	80-120	35.1519		21.3267		17.78	77.8	N	P
Cobalt									NR
Copper	80-120	44.2329		24.9219		22.22	86.9		P
Iron									NR
Lead	80-120	40.8522		6.3005		44.44	77.7	N	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	80-120	54.6993		18.5891		44.44	81.3		P
Potassium									NR
Selenium	80-120	6.4269		0.5366	U	8.89	72.3	N	P
Silver	80-120	7.1152		0.8586	U	8.89	80.0		P
Sodium									NR
Thallium	80-120	8.8879	U	10.7326	U	8.89	0.0	N	P
Vanadium									NR
Zinc	80-120	80.0902		45.1529		44.44	78.6	N	P
Cyanide									NR

Comments:
CLIENT_ID: T5(2.5+5.5_COMP)
MATRIX_SPIKE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

T5M

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	3.4104		2.1465	U	11.05	30.9	N	P
Arsenic	80-120	14.5936		5.5898		11.05	81.5		P
Barium									NR
Beryllium	80-120	4.8763		0.3844		5.52	81.4		P
Cadmium	80-120	7.2365		2.6754		5.52	82.6		P
Calcium									NR
Chromium	80-120	40.3150		21.3267		22.09	86.0		P
Cobalt									NR
Copper	80-120	50.2017		24.9219		27.61	91.6		P
Iron									NR
Lead	80-120	50.9821		6.3005		55.23	80.9		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	80-120	65.7921		18.5891		55.23	85.5		P
Potassium									NR
Selenium	80-120	8.1436		0.5366	U	11.05	73.7	N	P
Silver	80-120	9.0784		0.8586	U	11.05	82.2		P
Sodium									NR
Thallium	80-120	11.0452	U	10.7326	U	11.05	0.0	N	P
Vanadium									NR
Zinc	80-120	92.1566		45.1529		55.23	85.1		P
Cyanide									NR

Comments:
CLIENT_ID: T5(2.5+5.5_COMP)
MATRIX_SPIKE_DUPLICATE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

V4S

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
[illegible]omium									NR
[illegible]balt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	0.7729		0.0725	U	0.68	113.7		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
CLIENT_ID: V4(2.5+5.5_COMP)
MATRIX_SPIKE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
V4M

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	0.7502		0.0725	U	0.66	113.7		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
CLIENT_ID: V4(2.5+5.5_COMP)
MATRIX_SPIKE_DUPLICATE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

W12-1.0S

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	0.9648		0.1213		0.86	98.1		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
MATRIX_SPIKE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
W12-1.0M

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	0.9899		0.1213		0.90	96.5		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
MATRIX_SPIKE_DUPLICATE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
W6S

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 87.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	3.3926		2.1613	U	10.61	32.0	N	P
Arsenic	80-120	12.5641		6.3132		10.61	58.9	N	P
Barium									NR
Beryllium	80-120	4.2186		0.6567		5.30	67.2	N	P
Cadmium	80-120	6.5182		3.4441		5.30	58.0	N	P
Calcium									NR
Chromium	80-120	40.6816		30.5967		21.21	47.5	N	P
Cobalt									NR
Copper	80-120	43.3254		28.9714		26.52	54.1	N	P
Iron									NR
Lead	80-120	42.4531		8.1456		53.03	64.7	N	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	80-120	55.1639		22.6529		53.03	61.3	N	P
Potassium									NR
Selenium	80-120	6.4361		0.5403	U	10.61	60.7	N	P
Silver	80-120	7.3608		0.8645	U	10.61	69.4	N	P
Sodium									NR
Thallium	80-120	10.6063	U	10.8064	U	10.61	0.0	N	P
Vanadium									NR
Zinc	80-120	81.1233		53.5610		53.03	52.0	N	P
Cyanide									NR

Comments:
CLIENT_ID: W6(2.5+5.5_COMP)
MATRIX_SPIKE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
W6M

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 87.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	80-120	4.0719		2.1613	U	11.01	37.0	N	P
Arsenic	80-120	14.7522		6.3132		11.01	76.6	N	P
Barium									NR
Beryllium	80-120	4.9406		0.6567		5.51	77.7	N	P
Cadmium	80-120	7.6892		3.4441		5.51	77.0	N	P
Calcium									NR
Chromium	80-120	47.9891		30.5967		22.03	78.9	N	P
Cobalt									NR
Copper	80-120	52.7765		28.9714		27.54	86.4		P
Iron									NR
Lead	80-120	50.3176		8.1456		55.07	76.6	N	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	80-120	65.6550		22.6529		55.07	78.1	N	P
Potassium									NR
Selenium	80-120	7.8178		0.5403	U	11.01	71.0	N	P
Silver	80-120	8.9438		0.8645	U	11.01	81.2		P
Sodium									NR
Thallium	80-120	11.0142	U	10.8064	U	11.01	0.0	N	P
Vanadium									NR
Zinc	80-120	96.4192		53.5610		55.07	77.8	N	P
Cyanide									NR

Comments:
CLIENT_ID: W6(2.5+5.5_COMP)
MATRIX_SPIKE_DUPLICATE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
970710302S

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	0.7400		0.0870	U	0.80	92.5		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
MATRIX_SPIKE

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
970710302M

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	80-120	0.7615		0.0870	U	0.77	98.9		AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
MATRIX_SPIKE_DUPLICATE

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

T5A

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water) : SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Aluminum									NR
Antimony		201.60		20.00	U	200.0	100.8		P
Arsenic		69.31		52.08		20.0	86.1		P
Barium									NR
Beryllium		99.79		3.58		100.0	96.2		P
Cadmium		120.58		24.93		100.0	95.6		P
Calcium									NR
Chromium		394.41		198.71		200.0	97.8		P
Cobalt									NR
Copper									NR
Iron									NR
Lead		250.95		58.70		200.0	96.1		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium		16.84		5.00	U	20.0	84.2		P
Silver									NR
Sodium									NR
Thallium		100.00	U	100.00	U	20.0	0.0		P
Vanadium									NR
Zinc		1353.05		420.71		1000.0	93.2		P
Cyanide									NR

Comments:
CLIENT_ID: T5(2.5+5.5_COMP)

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
W6A

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water) : SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Aluminum									NR
Antimony		172.51		20.00	U	200.0	86.3		P
Arsenic		71.33		58.42		20.0	64.5		P
Barium									NR
Beryllium		88.67		6.08		100.0	82.6		P
Cadmium		114.23		31.87		100.0	82.4		P
Calcium									NR
Chromium		450.82		283.14		200.0	83.8		P
Cobalt									NR
Copper		707.67		268.10		500.0	87.9		P
Iron									NR
Lead		238.82		75.38		200.0	81.7		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel		1029.31		209.62		1000.0	82.0		P
Potassium									NR
Selenium		17.50		5.00	U	20.0	87.5		P
Silver		174.21		8.00	U	200.0	87.1		P
Sodium									NR
Thallium		100.00	U	100.00	U	20.0	0.0		P
Vanadium									NR
Zinc		1311.83		495.64		1000.0	81.6		P
Cyanide									NR

Comments:
CLIENT_ID: W6(2.5+5.5_COMP)

6
DUPLICATES

EPA SAMPLE NO.

T5D

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 87.9 % Solids for Duplicate: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		2.1465	U	2.2090	U			P
Arsenic		5.5898		6.0891		8.6		P
Barium								NR
Beryllium	0.2	0.3844		0.4746		21.0		P
Cadmium		2.6754		2.9230		8.8		P
Calcium								NR
Chromium		21.3267		22.9539		7.3		P
Cobalt								NR
Copper		24.9219		26.3500		5.6		P
Iron								NR
Lead		6.3005		6.9607		10.0		P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel		18.5891		20.6645		10.6		P
Potassium								NR
Selenium		0.5366	U	0.5523	U			P
Silver		0.8586	U	0.8836	U			P
Sodium								NR
Thallium		10.7326	U	11.0452	U			P
Vanadium								NR
Zinc		45.1529		47.8774		5.9		P
Cyanide								NR

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

V4D

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.0 % Solids for Duplicate: 89.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury	0.1	0.0725	U	0.0691		200.0		AV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

W12-1.0D

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.3 % Solids for Duplicate: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury	0.1	0.1213		0.1680		32.3		AV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

W6D

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 87.3 % Solids for Duplicate: 87.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		2.1613	U	2.2460	U			P
Arsenic		6.3132		6.3222		0.1		P
Barium								NR
Beryllium	0.2	0.6567		0.6360		3.2		P
Cadmium		3.4441		3.4014		1.2		P
Calcium								NR
Chromium		30.5967		29.9862		2.0		P
Cobalt								NR
Copper		28.9714		28.7057		0.9		P
Iron								NR
Lead		8.1456		7.9502		2.4		P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel		22.6529		22.0966		2.5		P
Potassium								NR
Selenium		0.5403	U	0.5615	U			P
Silver		0.8645	U	0.8984	U			P
Sodium								NR
Thallium		10.8064	U	11.2302	U			P
Vanadium								NR
Zinc		53.5610		52.5440		1.9		P
Cyanide								NR

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

970710302D

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0 % Solids for Duplicate: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury		0.0870	U	0.0800	U			AV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

7

LABORATORY CONTROL SAMPLE

Lab Name: AENI_____ Contract: 9707090___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1____

Solid LCS Source: _____

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	1.0	0.94	94.0						
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

7

LABORATORY CONTROL SAMPLE

Lab Name: AENI_____ Contract: 9707090___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1____

Solid LCS Source: _____

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	1.0	1.19	119.0						
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

7

LABORATORY CONTROL SAMPLE

Lab Name: AENI_____ Contract: 9707090___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1____

Solid LCS Source: _____

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	1.0	0.85	85.0						
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

U.S. EPA - CLP

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LABORATORY CONTROL SAMPLE

Lab Name: AENI_____ Contract: 9707090___

Lab Code: _____ Case No.: VAN50_ SAS No.: _____ SDG No.: B1____

Solid LCS Source: _____

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony	100.0	96.93	96.9						
Arsenic	100.0	97.11	97.1						
Barium									
Beryllium	50.0	48.80	97.6						
Cadmium	50.0	50.74	101.5						
Calcium									
Chromium	200.0	200.16	100.1						
Cobalt									
Copper	250.0	253.57	101.4						
Iron									
Lead	500.0	503.44	100.7						
Magnesium									
Manganese									
Mercury									
Nickel	500.0	513.02	102.6						
Potassium									
Selenium	100.0	92.57	92.6						
Silver	100.0	97.30	97.3						
Sodium									
Thallium	100.0	90.47	90.5						
Vanadium									
Zinc	500.0	496.75	99.4						
Cyanide									

7

LABORATORY CONTROL SAMPLE

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony	100.0	95.10	95.1						
Arsenic	100.0	97.08	97.1						
Barium									
Beryllium	50.0	49.44	98.9						
Cadmium	50.0	50.88	101.8						
[illegible]cium									
[illegible]romium	200.0	205.94	103.0						
Cobalt									
Copper	250.0	253.11	101.2						
Iron									
Lead	500.0	501.33	100.3						
Magnesium									
Manganese									
Mercury									
Nickel	500.0	511.61	102.3						
Potassium									
Selenium	100.0	89.74	89.7						
Silver	100.0	97.17	97.2						
Sodium									
Thallium	100.0	88.40	88.4						
Vanadium									
Zinc	500.0	499.62	99.9						
Cyanide									

U.S. EPA - CLP

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Instrument Detection Limits (Quarterly)

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

ICP ID Number: Date: 04/01/97

Flame AA ID Number : PE_3100

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			20		NR
Arsenic			8		NR
Barium			100		NR
Beryllium			2		NR
Cadmium			4		NR
Calcium			500		NR
Chromium			10		NR
Cobalt			11		NR
Copper			10		NR
Iron			100		NR
Lead			10		NR
Magnesium			500		NR
Manganese			15		NR
Mercury	253.05		0.2	0.2	AV
Nickel			15		NR
Potassium			1000		NR
Selenium			5		NR
Silver			8		NR
Sodium			1000		NR
Thallium			10		NR
Vanadium			16		NR
Zinc			20		NR

Comments:

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Instrument Detection Limits (Quarterly)

Lab Name: AENI Contract: 9707090

Lab Code: Case No.: VAN50 SAS No.: SDG No.: B1

ICP ID Number: TJA_TRACE_PB Date: 04/28/97

Flame AA ID Number :

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony	206.83		20	20.0	P
Arsenic	189.04		8	8.0	P
Barium			100		NR
Beryllium	313.04		2	2.0	P
Cadmium	226.50		4	4.0	P
Calcium			500		NR
Chromium	267.72		10	10.0	P
Cobalt			11		NR
Copper	324.75		10	25.0	P
Iron			100		NR
Lead	220.35		10	10.0	P
Magnesium			500		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel	231.60		15	15.0	P
Potassium			1000		NR
Selenium	196.02		5	5.0	P
Silver	328.07		8	8.0	P
Sodium			1000		NR
Thallium	190.86		10	10.0	P
Vanadium			16		NR
Zinc	206.20		20	20.0	P

Comments:

AMERICAN ENVIRONMENTAL NETWORK, INC.

Client: Van Waters and Rogers July 23, 1997

Project: Santa Fe Springs

Contract: 9707089

Analysis: PCBs by SW-846 method 8080(A)

Client ID	Lab ID	Date Sampled	Date Received	Date Prepared	Date Analyzed
B2-1.0	L9707089-001	07/17/97	07/18/97	07/18/97	07/20/97
B1-1.0	L9707089-002	07/17/97	07/18/97	07/18/97	07/20/97
V3-1.0	L9707089-003	07/17/97	07/18/97	07/18/97	07/20/97
V2-1.0	L9707089-004	07/17/97	07/18/97	07/18/97	07/20/97
V6-1.0	L9707089-005	07/17/97	07/18/97	07/18/97	07/21/97
V7-1.0	L9707089-006	07/17/97	07/18/97	07/18/97	07/21/97
V4-1.0	L9707089-007	07/17/97	07/18/97	07/18/97	07/21/97
V5-1.0	L9707089-008	07/17/97	07/18/97	07/18/97	07/21/97
V10-1.0	L9707089-009	07/17/97	07/18/97	07/18/97	07/21/97
V11-1.0	L9707089-010	07/17/97	07/18/97	07/18/97	07/21/97
W1-1.0	L9707089-011	07/16/97	07/18/97	07/18/97	07/21/97
W11-1.0	L9707089-012	07/16/97	07/18/97	07/18/97	07/21/97
V8-1.0	L9707089-013	07/17/97	07/18/97	07/18/97	07/21/97
V12-1.0	L9707089-014	07/17/97	07/18/97	07/19/97	07/21/97
B4-1.0	L9707089-015	07/17/97	07/18/97	07/18/97	07/21/97
B3-1.0	L9707089-016	07/17/97	07/18/97	07/18/97	07/21/97
T5-1.0	L9707089-017	07/16/97	07/18/97	07/18/97	07/21/97
V1-1.0	L9707089-018	07/16/97	07/18/97	07/18/97	07/21/97
W5-1.0	L9707089-019	07/16/97	07/18/97	07/18/97	07/21/97
W4-1.0	L9707089-020	07/16/97	07/18/97	07/18/97	07/21/97
W12-1.0	L9707089-021	07/16/97	07/18/97	07/19/97	07/21/97
W9-1.0	L9707089-022	07/16/97	07/18/97	07/19/97	07/21/97
W10-1.0	L9707089-023	07/16/97	07/18/97	07/19/97	07/21/97
W8-1.0	L9707089-024	07/16/97	07/18/97	07/19/97	07/21/97
W7-1.0	L9707089-025	07/16/97	07/18/97	07/19/97	07/21/97
W2-1.0	L9707089-026	07/16/97	07/18/97	07/19/97	07/21/97
T1-1.0	L9707089-027	07/16/97	07/18/97	07/19/97	07/21/97
T2-1.0	L9707089-028	07/16/97	07/18/97	07/19/97	07/21/97
T3-1.0	L9707089-029	07/16/97	07/18/97	07/19/97	07/22/97
T4-1.0	L9707089-030	07/16/97	07/18/97	07/19/97	07/22/97
V13-1.0	L9707089-031	07/16/97	07/18/97	07/20/97	07/22/97
V9-1.0	L9707089-032	07/16/97	07/18/97	07/19/97	07/22/97
W3-1.0	L9707089-033	07/16/97	07/18/97	07/19/97	07/22/97
W6-1.0	L9707089-034	07/16/97	07/18/97	07/19/97	07/22/97

Case Narrative:
Thirty-four soil samples were prepared and analyzed for PCBs by SW-846 method 8080(A).

The enclosed package contains tabulated results (Form I)'s, a surrogate recovery summary (Form II) and a matrix spike/matrix spike dup recovery summary (Form III).

Sample Narrative:
Several of the sample extracts exhibited low level hits for AR1254. These hits were confirmed on a second analytical column.

Form I (Organic Analysis Data Sheet)
The qualifier 'U' indicates that a compound was analyzed for but not detected above the specified detection limit. The qualifier "J" indicates a estimated result below the reporting limit, but above the method detection limit. All samples were prepared and analyzed within the method specified holding times.

Form II (Surrogate Recovery Summary)
Surrogate recoveries were within laboratory criteria (60 to 150 percent) with the exceptions of those samples flagged "*" on Form II. Low recoveries maybe attributed to difficult sample matrix.

Form III (Matrix Spike Recovery Summary)

Three laboratory control samples were extracted with the sample set. All LCS recoveries were within SW-846 criteria (29 to 131 percent).

MS/MSD was performed on sample B2-1.0, percent recoveries and RPD were acceptable. MS/MSD was performed on sample W12-1.0, percent recoveries and RPD were acceptable.

Data Released by _____ 07/28/94
Noble N. Namieboka
GC/LC Laboratory Manager

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: B2-1.0

AENI #: 9707089-001

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/20/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 4.5

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254		42	U
AR1260		42	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.02

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: B1-1.0

AENI #: 9707089-002

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/20/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 4.6

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254		41	U
AR1260		41	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.33

Vt - Volume of total extract (ul) - 10000

FORM I

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V3-1.0

AENI #: 9707089-003

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/20/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 12

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254	29	45	J
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.21

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V2-1.0

AENI #: 9707089-004

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/20/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 11

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.25

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V6-1.0

AENI #: 9707089-005

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 8.2

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		43	U
AR1260		43	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.23

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V7-1.0

AENI #: 9707089-006

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 4.6

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254		41	U
AR1260		41	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.33

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V4-1.0

AENI #: 9707089-007

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 4.6

ug/Kg

COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254		42	U
AR1260		42	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.22

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V5-1.0

AENI #: 9707089-008

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 9.1

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		44	U
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.03

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V10-1.0

AENI #: 9707089-009

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 6.5

ug/Kg

COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254		42	U
AR1260		42	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.22

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V11-1.0

AENI #: 9707089-010

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 4.5

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254	34	41	J
AR1260		41	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.3

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W1-1.0

AENI #: 9707089-011

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 4

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254		41	U
AR1260		41	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.16

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W11-1.0

AENI #: 9707089-012

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 12

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254	33	45	J
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.1

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V-8 1.0

AENI #: 9707089-013

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 8.6

ug/Kg

COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	30	44	J
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.15

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V12-1.0

AENI #: 9707089-014

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 6

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254		42	U
AR1260		42	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.31

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: B-4 1.0

AENI #: 9707089-015

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 6.3

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254	47	43	
AR1260		43	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.11

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: B-3 1.0

AENI #: 9707089-016

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 5.7

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254		42	U
AR1260		42	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.1

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: T5-1.0

AENI #: 9707089-017

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 23

ug/Kg

COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		26	U
AR1221		26	U
AR1232		26	U
AR1242		26	U
AR1248		26	U
AR1254		52	U
AR1260		52	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.24

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V1-1.0

AENI #: 9707089-018

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 9

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		44	U
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.21

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W5-1.0

AENI #: 9707089-019

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 13

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.41

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W4-1.0

AENI #: 9707089-020

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 15

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		47	U
AR1260		47	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.25

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W12-1.0

AENI #: 9707089-021

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 11

ug/Kg

COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	97	44	
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.75

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W8-1.0

AENI #: 9707089-024

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 15

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254	29	46	J
AR1260		46	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.47

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W7-1.0

AENI #: 9707089-025

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 8.6

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	150	44	
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.08

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W2-1.0

AENI #: 9707089-026

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 9.8

ug/Kg

COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		44	U
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.26

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: T1-1.0

AENI #: 9707089-027

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 12

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		44	U
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.85

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: T2-1.0

AENI #: 9707089-028

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 13

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254	32	46	J
AR1260		46	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.14

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: T3-1.0

AENI #: 9707089-029

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 12

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.62

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: T4-1.0

AENI #: 9707089-030

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 7.2

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254		43	U
AR1260		43	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.29

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V13-1.0

AENI #: 9707089-031

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 7.8

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		43	U
AR1260		43	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.13

Vt - Volume of total extract (ul) - 10000

FORM I

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V9-1.0

AENI #: 9707089-032

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 5.8

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254		41	U
AR1260		41	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.9

Vt - Volume of total extract (ul) - 10000

FORM I

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W3-1.0

AENI #: 9707089-033

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 8.6

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		43	U
AR1260		43	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.27

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W9-1.0

AENI #: 9707089-022

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 13

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.65

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W10-1.0

AENI #: 9707089-023

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 14

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.71

Vt - Volume of total extract (ul) - 10000

FORM I

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W6-1.0

AENI #: 9707089-034

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 6.5

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254		42	U
AR1260		42	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.31

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: 82-1.0 MS

AENI.#: 9707089-001MS

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/20/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 4.5

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254	200	42	
AR1260		42	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.07

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: B2-1.0 MSD

AENI #: 9707089-001MSD

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/18/97
Date Analyzed: 07/20/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 4.5

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254	180	42	
AR1260		42	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.1

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W12-1.0 MS

AENI #: 9707089-021MS

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 11

ug/Kg

COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	190	44	
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.36

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W12-1.0 MSD

AENI #: 9707089-021MSD

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 11

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	230	44	
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.85

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: PBLK01

AENI #: BLKWG390

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared :07/18/97
Date Analyzed: 07/20/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254		40	U
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: PBLK02

AENI #: BLKWG392

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254		40	U
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: PBLK03

AENI #: BLKWG394

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254		40	U
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: LCS

AENI #: LCSWG390

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/18/97
Date Analyzed: 07/20/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254	150	40	
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707089 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: LCS02

AENI #: LCSWG392

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254	120	40	
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707089
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: LCS03

AENI #: LCSWG394

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254	150	40	
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

SOIL SURROGATE PERCENT RECOVERY
PCB'S BY SW-846 METHOD 8080A

Case no: 9707089

Laboratory: American Environmental Network, Inc.

Client ID	AEN ID	% Rec DCB 3% OV-1 (60-150)
PBLK01	BLKWG390	99
LCS	LCSWG390	96
B2-1.0	9707089-001	115
B2-1.0 MS	9707089-001MS	111
B2-1.0 MSD	9707089-001MSD	104
B1-1.0	9707089-002	104
V3-1.0	9707089-003	111
V2-1.0	9707089-004	118
V6-1.0	9707089-005	108
V7-1.0	9707089-006	101
V4-1.0	9707089-007	77
V5-1.0	9707089-008	82
V10-1.0	9707089-009	74
V11-1.0	9707089-010	61
W1-1.0	9707089-011	88
W11-1.0	9707089-012	85
V-8 1.0	9707089-013	80
B-4 1.0	9707089-015	90
B-3 1.0	9707089-016	88
T5-1.0	9707089-017	61
V1-1.0	9707089-018	139
W5-1.0	9707089-019	87
W4-1.0	9707089-020	90

SOIL SURROGATE PERCENT RECOVERY
PCB'S BY SW-846 METHOD 8080A

Case no: 9707089

Laboratory: American Environmental Network, Inc.

Client ID	AEN ID	% Rec DCB 3% OV-1 (60-150)
PBLK02	BLKWG392	41*
LCS02	LCSWG392	70
V12-1.0	9707089-014	89
W12-1.0	9707089-021	63
W12-1.0 MS	9707089-021MS	43*
W12-1.0 MSD	9707089-021MSD	68
W9-1.0	9707089-022	63
W10-1.0	9707089-023	59*
W8-1.0	9707089-024	73
W7-1.0	9707089-025	66
W2-1.0	9707089-026	52*
T1-1.0	9707089-027	53*
T2-1.0	9707089-028	62
T3-1.0	9707089-029	80
T4-1.0	9707089-030	74
V9-1.0	9707089-032	67
W3-1.0	9707089-033	49*
W6-1.0	9707089-034	50*

SOIL SURROGATE PERCENT RECOVERY
PCB'S BY SW-846 METHOD 8080A

Case no: 9707089

Laboratory: American Environmental Network, Inc.

Client ID	AEN ID	% Rec DCB 3% OV-1 (60-150)
PBLK03	BLKWG394	62
LCS03	LCSWG394	64
V13-1.0	9707089-031	85

ORGANIC ANALYSIS DATA SHEET

AMERICAN ENVIRONMENTAL NETWORK, Inc.

Case Number: 9707089

Method: PCB 8080A

Matrix: SOIL

Analysis Date: 7/20/97

Units of AR1254 in ug/kg

CLIENT ID.	AENI ID.	Spike Added	Sample Results	Conc. MS	% Rec.	Conc. MSD	% Rec.	% RPD
B2-1.0	9707089-001	170	0	200	118	180	106	11

ORGANIC ANALYSIS DATA SHEET

AMERICAN ENVIRONMENTAL NETWORK, Inc.

Case Number: 9707089

Method: PCB 8080A

Matrix: Soil

Analysis Date: 7/22/97

Units of AR 1254 in ug/kg

CLIENT ID.	AENI ID.	Spike Added	Sample Results	Conc. LCS	% Rec.
LCS	LCSWG394	170	0	150	88

ORGANIC ANALYSIS DATA SHEET

AMERICAN ENVIRONMENTAL NETWORK, Inc.

Case Number: 9707089

Method: PCB 8080A

Matrix: Soil

Analysis Date: 7/21/97

Units of AR 1254 in ug/kg

CLIENT ID.	AENI ID.	Spike Added	Sample Results	Conc. LCS	% Rec.
LCS	LCSWG392	170	0	120	71

ORGANIC ANALYSIS DATA SHEET

AMERICAN ENVIRONMENTAL NETWORK, Inc.

Case Number: 9707089

Method: PCB 8080A

Matrix: Soil

Analysis Date: 7/20/97

Units of AR 1254 in ug/kg

CLIENT ID.	AENI ID.	Spike Added	Sample Results	Conc. LCS	% Rec.
LCS	LCSWG390	170	0	150	88

ORGANIC ANALYSIS DATA SHEET

AMERICAN ENVIRONMENTAL NETWORK, Inc.

Case Number: 9707090

Method: PCB 8080A

Matrix: SOIL

Analysis Date: 7/23/97

Units of AR 1254 in ug/kg

CLIENT ID.	AENI ID.	Spike Added	Sample Results	Conc. MS	% Rec.	Conc. MSD	% Rec.	% RPD
W7(2.5+5.5 COMP)	9707090-025	180	28	160	73	150	68	6

ORGANIC ANALYSIS DATA SHEET

AMERICAN ENVIRONMENTAL NETWORK, Inc.

Case Number: 9707089

Method: PCB 8080A

Matrix: SOIL

Analysis Date: 7/21/97

Units of AR 1254 in ug/kg

CLIENT ID.	AENI ID.	Spike Added	Sample Results	Conc. MS	% Rec.	Conc. MSD	% Rec.	% RPD
W12-1.0	9707089-021	180	97	190	52	230	74	19

AMERICAN ENVIRONMENTAL NETWORK, INC.

Client: VAN WATERS & ROGERS July 24, 1997

Project: SANTA FE SPRINGS

Contract: 9707090

Analysis: PCB's by SW-846 Method 8080A

Client ID	Lab ID	Date Sampled	Date Received	Date Prepared	Date Analyzed
B2 (2.5+5.5 COMP)	L9707090-001	07/17/97	07/18/97	07/19/97	07/22/97
B1 (2.5+5.5 COMP)	L9707090-002	07/17/97	07/18/97	07/19/97	07/22/97
V3 (2.5+5.5 COMP)	L9707090-003	07/17/97	07/18/97	07/19/97	07/22/97
V2 (2.5+5.5 COMP)	L9707090-004	07/17/97	07/18/97	07/19/97	07/22/97
V6 (2.5+5.5 COMP)	L9707090-005	07/17/97	07/18/97	07/19/97	07/22/97
V7 (2.5+5.5 COMP)	L9707090-006	07/17/97	07/18/97	07/20/97	07/22/97
V4 (2.5+5.5 COMP)	L9707090-007	07/17/97	07/18/97	07/20/97	07/22/97
V5 (2.5+5.5 COMP)	L9707090-008	07/17/97	07/18/97	07/20/97	07/22/97
V10 (2.5+5.5 COMP)	L9707090-009	07/17/97	07/18/97	07/20/97	07/22/97
V11 (2.5+5.5 COMP)	L9707090-010	07/17/97	07/18/97	07/20/97	07/22/97
W1 (2.5+5.5 COMP)	L9707090-011	07/16/97	07/18/97	07/20/97	07/22/97
W11 (2.5+5.5 COMP)	L9707090-012	07/16/97	07/18/97	07/20/97	07/22/97
V8 (2.5+5.5 COMP)	L9707090-013	07/17/97	07/18/97	07/20/97	07/22/97
V12 (2.5+5.5 COMP)	L9707090-014	07/17/97	07/18/97	07/20/97	07/22/97
B4 (2.5+5.5 COMP)	L9707090-015	07/17/97	07/18/97	07/20/97	07/22/97
B3 (2.5+5.5 COMP)	L9707090-016	07/17/97	07/18/97	07/20/97	07/22/97
T5 (2.5+5.5 COMP)	L9707090-017	07/16/97	07/18/97	07/20/97	07/22/97
V1 (2.5+5.5 COMP)	L9707090-018	07/16/97	07/18/97	07/20/97	07/22/97
W5 (2.5+5.5 COMP)	L9707090-019	07/16/97	07/18/97	07/20/97	07/23/97
W4 (2.5+5.5 COMP)	L9707090-020	07/16/97	07/18/97	07/20/97	07/23/97
W12 (2.5+5.5 COMP)	L9707090-021	07/16/97	07/18/97	07/20/97	07/23/97
W9 (2.5+5.5 COMP)	L9707090-022	07/16/97	07/18/97	07/20/97	07/23/97
W10 (2.5+5.5 COMP)	L9707090-023	07/16/97	07/18/97	07/20/97	07/23/97
W8 (2.5+5.5 COMP)	L9707090-024	07/16/97	07/18/97	07/20/97	07/23/97
W7 (2.5+5.5 COMP)	L9707090-025	07/16/97	07/18/97	07/21/97	07/23/97
W2 (2.5+5.5 COMP)	L9707090-026	07/16/97	07/18/97	07/21/97	07/23/97
T1 (2.5+5.5 COMP)	L9707090-027	07/16/97	07/18/97	07/21/97	07/23/97
T2 (2.5+5.5 COMP)	L9707090-028	07/16/97	07/18/97	07/21/97	07/23/97
T3 (2.5+5.5 COMP)	L9707090-029	07/16/97	07/18/97	07/21/97	07/23/97
T4 (2.5+5.5 COMP)	L9707090-030	07/16/97	07/18/97	07/21/97	07/23/97
V13 (2.5+5.5 COMP)	L9707090-031	07/16/97	07/18/97	07/21/97	07/23/97
V9 (2.5+5.5 COMP)	L9707090-032	07/16/97	07/18/97	07/21/97	07/23/97
W3 (2.5+5.5 COMP)	L9707090-033	07/16/97	07/18/97	07/21/97	07/23/97
W6 (2.5+5.5 COMP)	L9707090-034	07/16/97	07/18/97	07/21/97	07/23/97

Case Narrative
Thirty-four soil samples were prepared and analyzed for PCB's by SW-846 method 8080A.

The enclosed package contains tabulated results (Form I)'s, a surrogate recovery summary (Form II) and a matrix spike/matrix spike dup recovery summary (Form III).

Sample Narrative
Several of the sample extracts exhibited low level hits for AR1254. These hits were confirmed on a second analytical column.

Form I (Organic Analysis Data Sheet)
The qualifier 'U' indicates that a compound was analyzed for but not detected above the specified detection limit. The qualifier 'J' indicates an estimated result below the reporting limit, but above the method detection limit. All samples were prepared and analyzed within the method specified holding times.

Form II (Surrogate Recovery Summary)
Surrogate recoveries were within laboratory criteria (60-150%) with the exceptions of those samples flagged "*" on Form II. Lower recoveries may be attributed to difficult sample matrix.

Form III (Matrix Spike Recovery Summary)
Three lab control samples were prepared and analyzed with this sample delivery group. All LCS recoveries were within SW-846 method 8080A criteria (29-131%).

MS/MSD's were performed on samples V7 (2.5+5.5 COMP) and W7 (2.5+5.5 COMP). Percent recoveries and RPD's were acceptable.

Data Released by _____ 7/24/97
Noble N. Nemieboka
GC/LC Laboratory Manager

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: B2(2.5+5.5 COMP)

AENI #: 9707090-001

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 12

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.32

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: B1(2.5+5.5 COMP)

AENI #: 9707090-002

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 9.4

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		44	U
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.28

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V3(2.5+5.5 COMP)

AENI #: 9707090-003

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 10

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		44	U
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.41

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V2(2.5+5.5 COMP)

AENI #: 9707090-004

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 10

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		44	U
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.35

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V6(2.5+5.5 COMP)

AENI #: 9707090-005

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/19/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 11

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		44	U
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.75

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V7(2.5+5.5 COMP)

AENI #: 9707090-006

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 9.5

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		44	U
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.27

Vt - Volume of total extract (ul) - 10000

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AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V4(2.5+5.5 COMP)

AENI #: 9707090-007

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 11

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.12

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V5(2.5+5.5 COMP)

AENI #: 9707090-008

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 16

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		24	U
AR1221		24	U
AR1232		24	U
AR1242		24	U
AR1248		24	U
AR1254		47	U
AR1260		47	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.2

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V10(2.5+5.5 COMP)

AENI #: 9707090-009

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 12

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.01

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V11(2.5+5.5 COMP)

AENI #: 9707090-010

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 9.7

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		44	U
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.02

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W1(2.5+5.5 COMP)

AENI-#: 9707090-011

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 10

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		44	U
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.14

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W11(2.5+5.5 COMP)

AENI #: 9707090-012

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 12

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.23

Vt - Volume of total extract (ul) - 10000

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AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V8(2.5+5.5 COMP)

AENI #: 9707090-013

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 15

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		47	U
AR1260		47	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.09

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V12(2.5+5.5 COMP)

AENI #: 9707090-014

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 11

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.01

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: B4(2.5+5.5 COMP)

AENI #: 9707090-015

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 7

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		21	U
AR1221		21	U
AR1232		21	U
AR1242		21	U
AR1248		21	U
AR1254		43	U
AR1260		43	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.15

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: B3(2.5+5.5 COMP)

AENI #: 9707090-016

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 13

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		46	U
AR1260		46	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.16

Vt - Volume of total extract (ul) - 10000

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AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: T5(2.5+5.5 COMP)

AENI #: 9707090-017

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 12

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.06

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V1(2.5+5.5 COMP)

AENI #: 9707090-018

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 12

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.23

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W5(2.5+5.5 COMP)

AENI #: 9707090-019

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 12

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.08

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W4(2.5+5.5 COMP)

AENI #: 9707090-020

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 9.5

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	31	44	J
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.13

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W12(2.5+5.5 COMP)

AENI #: 9707090-021

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 13

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254	110	46	
AR1260		46	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.29

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W9(2.5+5.5 COMP)

AENI #: 9707090-022

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 12

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.2

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W10(2.5+5.5 COMP)

AENI.#: 9707090-023

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 11

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.21

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W8(2.5+5.5 COMP)

AENI #: 9707090-024

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 8.3

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	75	43	
AR1260		43	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.29

Vt - Volume of total extract (ul) - 10000

FORM I

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W7(2.5+5.5 COMP)

AENI #: 9707090-025

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 8.2

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	28	43	J
AR1260		43	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.06

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W2(2.5+5.5 COMP)

AENI #: 9707090-026

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 10

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		44	U
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.22

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: T1(2.5+5.5 COMP)

AENI #: 9707090-027

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 15

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		47	U
AR1260		47	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.14

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: T2(2.5+5.5 COMP)

AENI #: 9707090-028

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 12

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		45	U
AR1260		45	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.08

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: T3(2.5+5.5 COMP)

AENI.#: 9707090-029

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 14

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		46	U
AR1260		46	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.13

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: T4(2.5+5.5 COMP)

AENI #: 9707090-030

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 25

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		27	U
AR1221		27	U
AR1232		27	U
AR1242		27	U
AR1248		27	U
AR1254		53	U
AR1260		53	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.04

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V13(2.5+5.5 COMP)

AENI #: 9707090-031

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 17

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		24	U
AR1221		24	U
AR1232		24	U
AR1242		24	U
AR1248		24	U
AR1254		48	U
AR1260		48	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.1

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V9(2.5+5.5 COMP)

AENI #: 9707090-032

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 7.5

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	36	43	J
AR1260		43	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.08

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W3(2.5+5.5 COMP)

AENI #: 9707090-033

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 8.2

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254		43	U
AR1260		43	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.12

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W6(2.5+5.5 COMP)

AENI #: 9707090-034

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 13

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		23	U
AR1221		23	U
AR1232		23	U
AR1242		23	U
AR1248		23	U
AR1254		46	U
AR1260		46	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.05

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W7(2.5+5.5 COMP) MS

AENI #: 9707090-025MS

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 8.2

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	160	43	
AR1260		43	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.17

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V7(2.5+5.5 COMP) MS

AENI #: 9707090-006MS

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 9.5

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	160	44	
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.19

Vt - Volume of total extract (ul) - 10000

FORM I

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: PBLK01

AENI #: BLKWG392

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared :07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254		40	U
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: PBLK03

AENI.#: BLKWG396

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

ug/Kg

COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254		40	U
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: LCS02

AENI #: LCSWG394

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254	150	40	
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

SOIL SURROGATE PERCENT RECOVERY
PCB'S BY SW-846 METHOD 8080A

Case no: 9707090

Laboratory: American Environmental Network, Inc.

Client ID	AEN ID	% Rec DCB 3% OV-1 (60-150)
PBLK01	BLKWG392	41*
LCS	LCSWG392	70
B2(2.5+5.5 COMP)	9707090-001	70
B1(2.5+5.5 COMP)	9707090-002	50*
V3(2.5+5.5 COMP)	9707090-003	56*
V2(2.5+5.5 COMP)	9707090-004	36*
V6(2.5+5.5 COMP)	9707090-005	57*

SOIL SURROGATE PERCENT RECOVERY
PCB'S BY SW-846 METHOD 8080A

Case no: 9707090

Laboratory: American Environmental Network, Inc.

Client ID	AEN ID	% Rec DCB 3% OV-1 (60-150)
PBLK03	BLKWG396	64
LCS03	LCSWG396	77
W7(2.5+5.5 COMP)	9707090-025	57*
W7(2.5+5.5 COMP) MS	9707090-025MS	67
W7(2.5+5.5 COMP) MSD	9707090-025MSD	57*
W2(2.5+5.5 COMP)	9707090-026	50*
T1(2.5+5.5 COMP)	9707090-027	72
T2(2.5+5.5 COMP)	9707090-028	67
T3(2.5+5.5 COMP)	9707090-029	77
T4(2.5+5.5 COMP)	9707090-030	75
V13(2.5+5.5 COMP)	9707090-031	61
V9(2.5+5.5 COMP)	9707090-032	63
W3(2.5+5.5 COMP)	9707090-033	56*
W6(2.5+5.5 COMP)	9707090-034	76

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: W7(2.5+5.5 COMP) MSD

AENI #: 9707090-025MSD

Concentration: Low
Date Sampled : 07/16/97
Date Received : 07/18/97
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 8.2

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	150	43	
AR1260		43	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.11

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V7(2.5+5.5 COMP) MS

AENI #: 9707090-006MS

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 9.5

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	160	44	
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.19

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: V7(2.5+5.5 COMP) MSD

AENI #: 9707090-006MSD

Concentration: Low
Date Sampled : 07/17/97
Date Received : 07/18/97
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 9.5

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		22	U
AR1221		22	U
AR1232		22	U
AR1242		22	U
AR1248		22	U
AR1254	150	44	
AR1260		44	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30.05

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: PBLK01

AENI #: BLKWG392

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared :07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254		40	U
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: PBLK02

AENI #: BLKWG394

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254		40	U
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET
PCBs BY 8080A (COLUMN 3% OV-1)

Contract Number: 9707090
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: PBLK03

AENI #: BLKWG396

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254		40	U
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: LCS

AENI #: LCSWG392

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/19/97
Date Analyzed: 07/21/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254	120	40	
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: LCS02
AENI #: LCSWG394

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/20/97
Date Analyzed: 07/22/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254	150	40	
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

AMERICAN ENVIRONMENTAL NETWORK, INC.
ORGANIC ANALYSIS DATA SHEET

Contract Number: 9707090 PCBs BY 8080A (COLUMN 3% OV-1)
Client Name: VAN WATERS & ROGERS
Project: SANTA FE SPRINGS

CLIENT NUMBER: LCS03

AENI #: LCSWG396

Concentration: Low
Date Sampled : N/A
Date Received : N/A
Date Extract Prepared : 07/21/97
Date Analyzed: 07/23/97
Conc/Dil Factor: 1

GPC Cleanup: Yes[ ] No[X]
Sonication: [ ]
Soxhlett: [X]
Matrix SOIL
Percent Moisture: 0

	ug/Kg		
COMPOUND	CONCENTRATION	DETECTION LIMIT	QUALIFIER
AR1016		20	U
AR1221		20	U
AR1232		20	U
AR1242		20	U
AR1248		20	U
AR1254	150	40	
AR1260		40	U

U-Indicates that a compound was analyzed for but not detected at or above the detection limit.

Vi - Volume of extract injected (ul) - 1

Vs - Volume of water extracted (ml) - N/A

Ws - Mass of soil extracted (g) - 30

Vt - Volume of total extract (ul) - 10000

SOIL SURROGATE PERCENT RECOVERY
PCB'S BY SW-846 METHOD 8080A

Case no: 9707090

Laboratory: American Environmental Network, Inc.

Client ID	AEN ID	% Rec DCB 3% OV-1 (60-150)
PBLK01	BLKWG392	**41***
LCS	LCSWG392	**70**
B2(2.5+5.5 COMP)	9707090-001	70
B1(2.5+5.5 COMP)	9707090-002	50*
V3(2.5+5.5 COMP)	9707090-003	56*
V2(2.5+5.5 COMP)	9707090-004	36*
V6(2.5+5.5 COMP)	9707090-005	57*

SOIL SURROGATE PERCENT RECOVERY
PCB'S BY SW-846 METHOD 8080A

Case no: 9707090

Laboratory: American Environmental Network, Inc.

Client ID	AEN ID	% Rec DCB 3% OV-1 (60-150)
PBLK02	BLKWG394	62
LCS02	LCSWG394	64
V7(2.5+5.5 COMP)	9707090-006	65
V7(2.5+5.5 COMP) MS	9707090-006MS	68
V7(2.5+5.5 COMP) MSD	9707090-006MSD	65
V4(2.5+5.5 COMP)	9707090-007	70
V5(2.5+5.5 COMP)	9707090-008	67
V10(2.5+5.5 COMP)	9707090-009	49*
V11(2.5+5.5 COMP)	9707090-010	65
W1(2.5+5.5 COMP)	9707090-011	62
W11(2.5+5.5 COMP)	9707090-012	58*
V8(2.5+5.5 COMP)	9707090-013	58*
V12(2.5+5.5 COMP)	9707090-014	60
B4(2.5+5.5 COMP)	9707090-015	62
B3(2.5+5.5 COMP)	9707090-016	61
T5(2.5+5.5 COMP)	9707090-017	60
V1(2.5+5.5 COMP)	9707090-018	71
W5(2.5+5.5 COMP)	9707090-019	78
W4(2.5+5.5 COMP)	9707090-020	75
W12(2.5+5.5 COMP)	9707090-021	61
W9(2.5+5.5 COMP)	9707090-022	65
W10(2.5+5.5 COMP)	9707090-023	82
W8(2.5+5.5 COMP)	9707090-024	75

SOIL SURROGATE PERCENT RECOVERY
PCB'S BY SW-846 METHOD 8080A

Case no: 9707090

Laboratory: American Environmental Network, Inc.

Client ID	AEN ID	% Rec DCB 3% OV-1 (60-150)
PBLK03	BLKWG396	64
LCS03	LCSWG396	77
W7(2.5+5.5 COMP)	9707090-025	57*
W7(2.5+5.5 COMP) MS	9707090-025MS	67
W7(2.5+5.5 COMP) MSD	9707090-025MSD	57*
W2(2.5+5.5 COMP)	9707090-026	50*
T1(2.5+5.5 COMP)	9707090-027	72
T2(2.5+5.5 COMP)	9707090-028	67
T3(2.5+5.5 COMP)	9707090-029	77
T4(2.5+5.5 COMP)	9707090-030	75
V13(2.5+5.5 COMP)	9707090-031	61
V9(2.5+5.5 COMP)	9707090-032	63
W3(2.5+5.5 COMP)	9707090-033	56*
W6(2.5+5.5 COMP)	9707090-034	76

ORGANIC ANALYSIS DATA SHEET

AMERICAN ENVIRONMENTAL NETWORK, Inc.

Case Number: 9707090

Method: PCB 8080A

Matrix: Soil

Analysis Date: 7/21/97

Units of AR 1254 in ug/kg

CLIENT ID.	AENI ID.	Spike Added	Sample Results	Conc. LCS	% Rec.
LCS	LCSWG392	170	0	120	71

ORGANIC ANALYSIS DATA SHEET

AMERICAN ENVIRONMENTAL NETWORK, Inc.

Case Number: 9707090

Method: PCB 8080A

Matrix: Soil

Analysis Date: 7/22/97

Units of AR 1254 in ug/kg

CLIENT ID.	AENI ID.	Spike Added	Sample Results	Conc. LCS	% Rec.
LCS	LCSWG394	170	0	150	88

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1600

CHAIN OF CUSTODY FORM

Lab: ALPHA ENV NET LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Ice, 4°C	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	ANALYSIS REQUESTED: EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM FPH 6010/7000	PCB (ONLY) EPA 8080
1			X					1				97	07	16	1535	T1-1.0				X			X	X
																T1-2.5 (COMPOSITE T1-5.5)				X			X	X
27																T1-3.0			X					
																T1-5.5 (COMPOSITE T1-2.5)				X			X	X
																T1-6.0 (HOLD)								
															1610	T2-1.0				X			X	X
																T2-2.5 (COMPOSITE T2-5.5)				X			X	X
28																T2-3.0			X					
																T2-5.5 (COMPOSITE T2-2.5)				X			X	X
																T2-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT:
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[illegible]	[illegible]
RELINQUISHED BY: (Signature) 7-17-97 1:20	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy — Project Office Copy — Field or Office Copy

6533

07/18/97 FRI 10:48 FAX 714 260 1831 HARDING LAWSON 016

Harding Lawson Associates
20 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: ALLEN ENV NET LAB

Samplers: VIKAS MATHUR

Job Number: 38878,1

Name/Location: ALLEN MATKINS

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Ice	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	ANALYSIS REQUESTED: EPA 601/8010	EPA 602/8020	EPA 8015/8020	EPA 624/8270	EP TOX	EPA 5050/7470	TPH EPA 8015 MODIFIED	TPH (GAS) EPA 8015 MODIFIED
G	8			X				=				9	7	07	1	6	1	6	3	5	T3-1.0				X			X	X
																					T3-2.5 (COMPOSITE T3-5.5)				X			X	X
																					T3-3.0			X					
																					T3-5.5 (COMPOSITE T3-2.5)				X			X	X
																					T3-6.0 (HOLD)								
																1	7	0	0		T4-1.0				X			X	X
																					T4-2.5 (COMPOSITE T4-5.5)				X			X	X
																					T4-3.0			X					
																					T4-5.5 (COMPOSITE T4-2.5)				X			X	X
																					T4-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT: V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[illegible]	[illegible]
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy (White) Project Office Copy (Yellow) Field or Office Copy (Pink)

0833

07/18/87 FRI 10:56 FAX 714 260 1831 HARDING LAWSON 015

07/16/97 FRI 10:59 FAX 714 260 1831 HARDING LAWSON 019

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET LAB

Job Number: 38878.1
Name/Location: ALLEN MATKINS
Project Manager: ANDREW KELLER

Samplers: VIKAS MATHUR
Recorder: Vikas Mathur (Signature Required)

	SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Jr. Stc.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
31	7 8			X					1				97	07	16	1750	V13-1.0				X			X	X
																	V13-2.5 (COMPOSITE V13-5.5)				X			X	X
																	V13-3.0			X					
																	V13-5.5 (COMPOSITE V13-2.5)				X			X	X
																	V13-6.0 (HOLD)								
32																1830	V9-1.0				X			X	X
																	V9-2.5 (COMPOSITE V9-5.5)				X			X	X
																	V9-3.0			X					
																	V9-5.5 (COMPOSITE V9-2.5)				X			X	X
																	V9-6.0 (HOLD)								

ANALYSIS REQUESTED

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT: V. KUYAWA
						VNR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	Jeff Ford	7/17/97 8:00 am
Jeff Ford 7-17-97		
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

6533

HLA Harding Lawson Associates
Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV N. C. LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

	SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	$\Sigma P, \Sigma P_6$	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
33	48			X					1				97	07	16	1440	W3-1.0				X			X	X
																	W3-2.5 (COMPOSITE W3-5.5)				X			X	X
																	W3-3.0			X					
																	W3-5.5 (COMPOSITE W3-2.5)				X			X	X
																	W3-6.0 (HOLD)								
34																1510	W6-1.0				X			X	X
																	W6-2.5 (COMPOSITE W6-5.3)				X			X	X
																	W6-3.0			X				X	X
																	W6-5.5 (COMPOSITE W6-2.5)				X			X	X
																	W6-6.0 (HOLD)								

ANALYSIS REQUESTED

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT:
						V. KUYAWA
						VNR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	7/17/97 [illegible]
RELINQUISHED BY: (Signature) [signature] 7-17-97 6:00	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy (White) Project Office Copy (Yellow) Field or Office Copy (Pink)

6533

"FAX - 25-JUL-97
LOC - VT - SOIL
RL - 2

AEN# 9707088

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET.

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST. STL.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 #260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
48			X					1				97	07	17	1006	B2-1.0 ✓				X			X	X
																B2-2.5 (COMPOSITE B2-5.5)				X			X	X
																B2-3.0			X					
																B2-5.5 (COMPOSITE B2-2.5)				X			X	X
																B2-6.0 (HOLD)								
															1040	B1-1.0 ✓				X			X	X
																B1-2.5 (COMPOSITE B1-5.5)				X			X	X
																B1-3.0			X					
																B1-5.5 (COMPOSITE B1-2.5)				X			X	X
																B1-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	7-17-97
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
[signature] 6:00 7-17-97		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT	[signature]	

Laboratory Copy Project Office Copy Field or Office Copy

FAX DUE 25-JUL-97

HARDING LAWSON

002

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET. AL.

Project Manager: ANDREW KELLER

Samplers: VIKAS MATHUR

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST. STL	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
4 8			X					1				97	07	17	0730	V3-1.0 ✓				X			X	X
																V3-2.5 (COMPOSITE V3-5.5)				X			X	X
																V3-3.0			X					
																V3-5.5 (COMPOSITE V3-2.5)				X			X	X
																V3-6.0 (HOLD)								
															0840	V2-1.0 ✓				X			X	X
																V2-2.5 (COMPOSITE V2-5.5)				X			X	X
																V2-3.0			X					
																V2-5.5 (COMPOSITE V2-2.5)				X			X	X
																V2-6.0 (HOLD)								

3

4

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	Jeff Ford	7-17-97 8:00
Jeff Ford 7-17-97		

DISPATCHED BY: (Signature) DATE/TIME | RECEIVED FOR LAB BY: (Signature) DATE/TIME

METHOD OF SHIPMENT

Laboratory Copy White | Project Office Copy Yellow | Held or Office Copy Pink

653

HARDING LAWSON

003

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1600

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB

Samplers: VIKAS MATHUR

Job Number: 30878.1

Name/Location: ALLEN MATKINS ET.AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST. STA.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	ANALYSIS REQUESTED: EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PPB EPA 8080 (PCB ONLY)
4 S			X					1				9 7	0 7	1 7	1 1 5 2	V6-1.0				X			X	X
																V6-2.5 (COMPOSITE V6-5.5)				X			X	X
																V6-3.0			X					
																V6-5.5 (COMPOSITE V6-2.5)				X			X	X
																V6-6.0 (HOLD)								
															1 3 0 B	V7-1.0				X			X	X
																V7-2.5 (COMPOSITE V7-5.5)				X			X	X
																V7-3.0			X					
																V7-5.5 (COMPOSITE V7-2.5)				X			X	X
																V7-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT V. KUYAWA VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Vikas Mathur	RECEIVED BY: (Signature)	DATE/TIME 7-17-97 5:00
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy (White) — Project Office Copy (Yellow) — Field or Office Copy (Pink)

6531

07/18/97 FRI 10:00 FAX 714 260 1831 HARDING LAWSON 004

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV NET LAB

Job Number: 38878.1

Name/Location: ALLEN MATKINS.. ET. AL.

Project Manager: ANDREW KELLER

Samplers: VIKAS MATHUR

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	St. STL	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240-8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
48			X					1				17	07	17	1110	V4-1.0				X			X	X
																V4-2.5 (COMPOSITE V4-5.5)				X			X	X
																V4-3.0			X					
																V4-5.5 (COMPOSITE V4-2.5)				X			X	X
																V4-6.0 (HOLD)								
															1550	V5-1.0				X			X	X
																V5-2.5 (COMPOSITE V5-5.5)				X			X	X
																V5-3.0			X					
																V5-5.5 (COMPOSITE V5-2.5)				X			X	X
																V5-6.0 (HOLD)								

7

8

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	Jeff Ford	7/17/97 5:00
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
[signature] 6:00 7/17/97	[signature]	
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

BW

6533

07/18/97 FRI 16:08 FAX 714 260 1831 HARDING LAWSON 006

(5)

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET AL

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST. STG.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	ANALYSIS REQUESTED: EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7060	PCB (ONLY) EPA 8080
8			X					1				97	07	17	1443	V10-1.0				X			X	X
																V10-2.5 (COMPOSITE V10-5.5)				X			X	X
																V10-3.0			X					
																V10-5.5 (COMPOSITE V10-2.5)				X			X	X
																V10-6.0 (HOLD)								
															1501	V11-1.0				X			X	X
																V11-2.5 (COMPOSITE V11-5.5)				X			X	X
																V11-3.0			X					
																V11-5.5 (COMPOSITE V11-2.5)				X			X	X
																V11-6.0 (HOLD)								

9

10

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT V. KUYAWA VNR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Vikas Mathur	RECEIVED BY: (Signature)	DATE/TIME 7/7 5:30
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy Asst Office Copy Field or Office Copy

653

2003

HARDING LAWSON

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER ENV. NET LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET AL

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	5% HNO_3	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES
10			X					—				97	07	16	1020	WI-1.0
																WI-2.5 (COMPOSITE WI-5.5)
																WI-3.0
																WI-5.5 (COMPOSITE WI-2.5)
																WI-6.0 (HOLD)
															1050	WII-1.0
																WII-2.5 (COMPOSITE WII-5.5)
																WII-3.0
																WII-5.5 (COMPOSITE WII-2.5)
																WII-6.0 (HOLD)

ANALYSIS REQUESTED

EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
			X			X	X
			X			X	X
		X					
			X			X	X
			X			X	X
			X			X	X
		X					
			X			X	X

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[illegible]	7-17-87 8:01 AM
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
[illegible] 7-17	[illegible]	
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
[illegible]		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy (White) Project Office Copy (Yellow) Field Office Copy (Pink)

6533

BVR

010

07/18/87 FRI 10:24 FAX 714 260 1831 HARDING LAWSON

(7)

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB.

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET. AL

Project Manager: ANDREW KELLER

Samplers: VIKAS MATHUR

Recorder: Vikas Mathur (Signature Required)

	SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Sr. STL	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
	48			X					1				97	07	17	1330	V8-1.0				X			X	X
																	V8-2.5 (COMPOSITE V8-5.5)				X			X	X
13																	V8-3.0			X					
																	V8-5.5 (COMPOSITE V8-2.5)				X			X	X
																	V8-6.0 (HOLD)								
																1405	V12-1.0				X			X	X
																	V12-2.5 (COMPOSITE V12-5.5)				X			X	X
14																	V12-3.0			X					
																	V12-5.5 (COMPOSITE V12-2.5)				X			X	X
																	V12-6.0 (HOLD)								

ANALYSIS REQUESTED

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	7-17-97 5:00 PM
[signature] 5:00 7-17-97		
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature) DATE/TIME	
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

BLD

6533

HARDING LAWSON

Holding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1600

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB.

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV: Unpres.	H_2SO_4	HNO_3	5% STm	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
48		X						1				970717			0913	B4-1.0				X			X	X
																B4-2.5(COMPOSITE B4-5.5)				X			X	X
15																B4-3.0			X					
																B4-5.5(COMPOSITE B4-2.5)				X			X	X
																B4-6.0 (HOLD)								
															0941	B3-1.0				X			X	X
																B3-2.5(COMPOSITE B3-5.5)				X			X	X
16																B3-3.0			X					
																B3-5.5(COMPOSITE B3-2.5)				X			X	X
																B3-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT V. KUYAWA VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Vikas Mathur	RECEIVED BY: (Signature)	DATE/TIME 7/18/97 5:00PM
RELINQUISHED BY: (Signature) 8:00 8:17	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

6533

HANDLING LAWSON

0009

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB.

Job Number: 38878.1

Name/Location: ALAN MATKINS, ET.AL.

Project Manager: ANDREW KELLER

Samplers: VIKAS MATHUR

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST. STD.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
48			X					1				97	07	16	0830	T5-1.0				X			X	X
																T5-2.5 (COMPOSITE T5-5.5)				X			X	X
																T5-3.0			X					
																T5-5.5 (COMPOSITE T5-2.5)				X			X	X
																T5-6.0 (HOLD)								
															0915	V1-1.0				X			X	X
																V1-2.5 (COMPOSITE V1-5.5)				X			X	X
																V1-3.0			X					
																V1-5.5 (COMPOSITE V1-2.5)				X			X	X
																V1-6.0 (HOLD)								

17

18

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT:
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	7-17-97 9:00
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
[signature] 6:15 2/7/97		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

Bcp

6533

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1600

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET, LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS, ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV: Unpres.	H_2SO_4	HNO_3	On ICE	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION / NOTES	ANALYSIS REQUESTED: EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 418.1/Freon	PCB (ONLY) EPA 8080
4	8			X				-				9	7	0	7	1	6	0	9	4	5	WS-1.0				X			X	X
																						WS-2.5 (COMPOSITE WS-5.5)				X			X	X
19																			X			WS-3.0								
																						WS-5.5 (COMPOSITE WS-2.5)				X			X	X
																						WS-6.0 (HOLD)								
																1	0	1	0			W4-1.0				X			X	X
																						W4-2.5 (COMPOSITE W4-5.5)				X			X	X
20																						W4-3.0			X					
																						W4-5.5 (COMPOSITE W4-1.5)				X			X	X
																						W4-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT: V. KUYAWA
						PWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[illegible]	7-17-97 8:00
RELINQUISHED BY: (Signature) 7-17-97 8:00	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy Project Office Copy Field or Office Copy

6533

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET LAB

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET. AL.

Project Manager: ANDREW KELLER

Samplers: VIKAS MATHUR

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST. STG	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
4 B			X					1				97	07	16	1140	W12-1.0				X			X	X
																W12-2.5 (COMPOSITE W12-5.5)				X			X	X
21																W12-3.0			X					
																W12-5.5 (COMPOSITE W12-2.5)				X			X	X
																W12-6.0 (HOLD)								
															1200	W9-1.0				X			X	X
																W9-2.5 (COMPOSITE W9-5.5)				X			X	X
22																W9-3.0			X					
																W9-5.5 (COMPOSITE W9-2.5)				X			X	X
																W9-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						YWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	7-17-97 8:00
[signature] 7-17-97 6:00		

DISPATCHED BY: (Signature) DATE/TIME

RECEIVED FOR LAB BY: (Signature) DATE/TIME

METHOD OF SHIPMENT

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

6533

07/18/97 FRI 10:36 FAX 714 260 1831 HARDING LAWSON 013

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN - MATKINS .. ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Ice	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	ANALYSIS REQUESTED: EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	EPA EPA 601C/7000	PCB (only) EPA 8080
G			X					1				9	7	0	7	16 1305	W10-1.0				X			X X
																	W10-2.5 (COMPOSITE W10-5.5)				X			X X
																	W10-3.0			X				
																	W10-5.5 (COMPOSITE W10-2.5)				X			X X
																	W10-6.0 (HOLD)							
																1330	W8-1.0				X			X X
																	W8-2.5 (COMPOSITE W8-5.5)				X			X X
																	W8-3.0			X				
																	W8-5.5 (COMPOSITE W8-2.5)				X			X X
																	W8-6.0 (HOLD)							

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Vikas Mathur	RECEIVED BY: (Signature)	DATE/TIME 7-17-97 18:00
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field Office Copy Pink

6533

07.16.97 FRI 10:40 FAX 714 260 1831 HARDING LAWSON 014

(13)

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV NET LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	4°C	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES
25			X					=				97	07	16	1350	W7-1.0
																W7-2.5 (COMPOSITE W7-5.5)
																W7-3.0
																W7-5.5 (COMPOSITE W7-2.5)
																W7-6.0 (HOLD)
															1115	W2-1.0
																W2-2.5 (COMPOSITE W2-5.5)
26																W2-3.0
																W2-5.5 (COMPOSITE W2-2.5)
																W2-6.0 (HOLD)

ANALYSIS REQUESTED

EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	LPM EPA 6010/7000	PRIORITY POLLUTANT EPA 8080
			X			X	X
			X			X	X
		X					
			X			X	X
			X			X	X
			X			X	X
		X					
			X			X	X

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT V. KUYAWA
						VNR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Vikas Mathur	RECEIVED BY: (Signature)	DATE/TIME 7-17-97 1350
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy (White) — Project Office Copy (Yellow) — Field or Office Copy (Pink)

6533

BRENDA LAWSON

07/18/97 FRI 10:48 FAX 714 260 1831 HARDING LAWSON 016

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER ENV NET LAB

Job Number: 38878.1
Name/Location: ALLEN MATKINS
Project Manager: ANDREW KELLER

Samplers: VIKAS MATHUR
Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Sp. Stk.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 6015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
48			X					1				97	07	16	1535	T1-1.0				X			X	X
																T1-2.5 (COMPOSITE T1-5.5)				X			X	X
																T1-3.0			X					
																T1-5.5 (COMPOSITE T1-2.5)				X			X	X
																T1-6.0 (HOLD)								
															1610	T2-1.0				X			X	X
																T2-2.5 (COMPOSITE T2-5.5)				X			X	X
																T2-3.0			X					
																T2-5.5 (COMPOSITE T2-2.5)				X			X	X
																T2-6.0 (HOLD)								

27

28

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT:
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	[illegible]
RELINQUISHED BY: (Signature) [signature] 7-17-97 6:20	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT [signature]		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

6533

(15)

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: ANER ENV NET LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	$4°C$	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	ANALYSIS REQUESTED: EPA 601/8010	EPA 602/8020	EPA 624/8240 - 8260	EPA 625/8270 - SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
4			X					—				9	7	07	1615	T3-1.0				X			X	X
																T3-2.5 (COMPOSITE T3-5.5)				X			X	X
																T3-3.0			X					
																T3-5.5 (COMPOSITE T3-2.5)				X			X	X
																T3-6.0 (HOLD)								
															1700	T4-1.0				X			X	X
																T4-2.5 (COMPOSITE T4-5.5)				X			X	X
																T4-3.0			X					
																T4-5.5 (COMPOSITE T4-2.5)				X			X	X
																T4-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT: V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Vikas Mathur	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy (White) Project Office Copy (Yellow) Field or Office Copy (Pink)

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HARDING LAWSON

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

	SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Jt. Stk.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
	48			X					1				97	07	16	1750	V13-1.0				X			X	X
																	V13-2.5 (COMPOSITE V13-5.5)				X			X	X
31																	V13-3.0			X					
																	V13-5.5 (COMPOSITE V13-2.5)				X			X	X
																	V13-6.0 (HOLD)								
																1830	V9-1.0				X			X	X
																	V9-2.5 (COMPOSITE V9-5.5)				X			X	X
32																	V9-3.0			X					
																	V9-5.5 (COMPOSITE V9-2.5)				X			X	X
																	V9-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT:
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	Jeff Ford	7/17/97 8:00 am
Jeff Ford 7-17-97		

DISPATCHED BY: (Signature)	DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME

METHOD OF SHIPMENT: BRP

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

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Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV NET LAB

Job Number: 38878.1
Name/Location: ALLEN MATKINS
Project Manager: ANDREW KELLER

Samplers: VIKAS MATHUR
Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ΣP_2S_2	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
48			X					1				97	07	16	1440	W3-1.0				X			X	X
																W3-2.5 (COMPOSITE W3-5.5)				X			X	X
																W3-3.0			X					
																W3-5.5 (COMPOSITE W3-2.5)				X			X	X
																W3-6.0 (HOLD)								
															1510	W6-1.0				X			X	X
																W6-2.5 (COMPOSITE W6-5.5)				X			X	X
																W6-3.0			X				~~X~~	~~X~~ BUP
																W6-5.5 (COMPOSITE W6-2.5)				X			X	X
																W6-6.0 (HOLD)								

33

34

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT:
						V. KUYAWA
						VNR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	7-17-97 8:00
RELINQUISHED BY: (Signature) [signature] 7-17-97 6:00	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

6533

07/18/97 FRI 10:52 FAX 714 260 1831 HARDING LAWSON 017

9707091

18 36 18

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1600

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

	SOURCE CODE	MATRIX: SLUDGE	Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	$\frac{1}{2}$ VOA	$\frac{1}{2}$ AMBER	$\frac{1}{2}$ PINT	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES
-001	44	X					1									97	07	17	1520	S1 (2" SLUDGE)
-002	10		X				1			6	4	1				97	07	17	1620	S2 (SCALE PIT WATER)
-003			X																	TRIP BLANKS (2)

ANALYSIS REQUESTED

EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M TPH	EPA 6010/7000	PCB (ONLY) EPA 8080
		X	X			X	X
		X	X			X	X
		X					

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						WHR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Vikas Mathur	RECEIVED BY: (Signature) [illegible]	DATE/TIME 7-17-97 5:50
RELINQUISHED BY: (Signature) [illegible] 7-17-97	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy (White) Project Office Copy (Yellow) Field or Office Copy (Pink)

6533

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

9707090

Lab: AMER. ENV. NET. LAB.

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST. STG.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
48			X					1				97	07	17	1006	B2-1.0 ✓				X			X	X
																B2-2.5 (COMPOSITE B2-5.5)				X			X	X
																B2-3.0			X					
																B2-5.5 (COMPOSITE B2-2.5)				X			X	X
																B2-6.0 (HOLD)								
															1040	B1-1.0 ✓				X			X	X
																B1-2.5 (COMPOSITE B1-5.5)				X			X	X
																B1-3.0			X					
																B1-5.5 (COMPOSITE B1-2.5)				X			X	X
																B1-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	Jeff Ford	7-17-97 5:00
[illegible] 6:00 7-17-97		

DISPATCHED BY: (Signature) DATE/TIME

RECEIVED FOR LAB BY: (Signature) DATE/TIME

METHOD OF SHIPMENT

Bur 7/18/97 12:30

Laboratory Copy Project Office Copy Field or Office Copy

6535

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMEL. ENV. NET. LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Str. STL.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES
4 B			X					—				9 7	0 7	1 7	0 7 3 0	V3-1.0 ✓
3																V3-2.5 (COMPOSITE V3-5.5)
																V3-3.0
3																V3-5.5 (COMPOSITE V3-2.5)
															0 8 4 0	V3-6.0 (HOLD)
																V2-1.0 ✓
4																V2-2.5 (COMPOSITE V2-5.5)
																V1-3.0
4																V2-5.5 (COMPOSITE V2-2.5)
																V2-6.0 (HOLD)

ANALYSIS REQUESTED

EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
			X			X	X
			X			X	X
		X					
			X			X	X
			X			X	X
			X			X	X
		X					
			X			X	X

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT V. KUYAWA VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	Jeff Ford	7-17-96 6:00
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy (White) Project Office Copy (Yellow) Field or Office Copy (Pink)

653

07/18/97 FRI 08:56 FAX 714 260 1831 HARDING LAWSON 003

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST. STL.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240-8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB(ONLY) EPA 8080
4 8			X					1				9 7	0 7	1 7	1 1 5 2	V6-1.0				X			X	X
																V6-2.5 (COMPOSITE V6-5.5)				X			X	X
																V6-3.0			X					
																V6-5.5 (COMPOSITE V6-2.5)				X			X	X
																V6-6.0 (HOLD)								
															1 3 0 3	V7-1.0				X			X	X
																V7-2.5 (COMPOSITE V7-5.5)				X			X	X
																V7-3.0			X					
																V7-5.5 (COMPOSITE V7-2.5)				X			X	X
																V7-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	Jeff Ford	7-17-97 5:00
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
[illegible] 5-17-97		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME

DISPATCHED BY: (Signature) DATE/TIME | RECEIVED FOR LAB BY: (Signature) DATE/TIME

METHOD OF SHIPMENT

Laboratory Copy | Project Office Copy Yellow | Field or Office Copy Pink

6532

HARDING LAWSON

004

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1600

CHAIN OF CUSTODY FORM

Lab: AMER. ENV [illegible] LAB

Job Number: 38878.1

Name/Location: ALLEN MATKINS.. ET. AL.

Project Manager: ANDREW KELLER

Samplers: VIKAS MATHUR

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	St. STL	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
48			X					1				97	07	17	1110	V4-1.0 ✓				X			X	X
																V4-2.5 (COMPOSITE V4-5.5)				X			X	X
7																V4-3.0			X					
																V4-5.5 (COMPOSITE V4-2.5)				X			X	X
7																V4-6.0 (HOLD)								
															1550	V5-1.0 ✓				X			X	X
																V5-2.5 (COMPOSITE V5-5.5)				X			X	X
88																V5-3.0			X					
																V5-5.5 (COMPOSITE V5-2.5)				X			X	X
																V5-6.0 (HOLD)								

ANALYSIS REQUESTED

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	Jeff Ford	7/17/97 5:00
[illegible]	[illegible]	

DISPATCHED BY: (Signature) DATE/TIME

RECEIVED FOR LAB BY: (Signature) DATE/TIME

METHOD OF SHIPMENT

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

6532

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB

Job Number: 38878.1
Name/Location: ALLEN MATKINS ET AL
Project Manager: ANDREW KELLER

Samplers: VIKAS MATHUR
Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST. STL.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240-8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
48			X					1				97	07	17	1443	V10-1.0				X			X	X
																V10-2.5 (COMPOSITE V10-5.5)				X			X	X
9																V10-3.0			X					
																V10-5.5 (COMPOSITE V10-2.5)				X			X	X
9																V10-6.0 (HOLD)								
															1501	V11-1.0				X			X	X
10																V11-2.5 (COMPOSITE V11-5.5)				X			X	X
10																V11-3.0			X					
10																V11-5.5 (COMPOSITE V11-2.5)				X			X	X
																V11-6.0 (HOLD)								

ANALYSIS REQUESTED

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						VNR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	7-17-97 6:00 PM
[signature] 7-17-97		

DISPATCHED BY: (Signature) DATE/TIME
RECEIVED FOR LAB BY: (Signature) DATE/TIME
METHOD OF SHIPMENT

Laboratory Copy — Project Office Copy Yellow — Field or Office Copy Pink

653

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER ENV. NET LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET AL

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST. STL.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 6015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
48			X					1				97	07	16	1020	W1-1.0				X			X	X
11																W1-2.5 (COMPOSITE W1-5.5)				X			X	X
																W1-3.0			X					
11																W1-5.5 (COMPOSITE W1-2.5)				X			X	X
																W1-6.0 (HOLD)								
12															1050	W11-1.0				X			X	X
																W11-2.5 (COMPOSITE W11-5.5)				X			X	X
																W11-3.0			X					
12																W11-5.5 (COMPOSITE W11-2.5)				X			X	X
																W11-6.0 (HOLD)								

ANALYSIS REQUESTED

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	7-17-92 8:30 AM
RELINQUISHED BY: (Signature) [signature] 7-17-92	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

6533

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1600

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB.

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET.AL

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	# CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Ice	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	ANALYSIS REQUESTED: EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PAH EPA 610/8310	PCB (ONLY) EPA 8080
40			X									9	7	0	7	1	7	1	3	3	0	V8-1.0				X			X	X
13																						V8-2.5 (COMPOSITE V8-5.5)				X			X	X
13																						V8-3.0			X					
																						V8-5.5 (COMPOSITE V8-2.5)				X			X	X
																						V8-6.0 (HOLD)								
																		1	4	0	5	V12-1.0				X			X	X
14																						V12-2.5 (COMPOSITE V12-5.5)				X			X	X
																						V12-3.0			X					
14																						V12-5.5 (COMPOSITE V12-2.5)				X			X	X
																						V12-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT: V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Vikas Mathur	RECEIVED BY: (Signature)	DATE/TIME 7-17-97 5:00 PM
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy (White) Project Office Copy (Yellow) Field or Office Copy (Pink)

6533

07/18/97 FRI 10:16 FAX 714 260 1631 HARDING LAWSON 006

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB.

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV: Unpres.	H_2SO_4	HNO_3	St. Stm.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	ANALYSIS REQUESTED: EPA 601/8010	EPA 602/8020	EPA 624/8240-8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
19			X					1				9	7	0	7	1	7	0	9	1	3	B4-1.0				X			X	X
																						B4-2.5(COMPOSITE B4-5.5)				X			X	X
																						B4-3.0			X					
15																						B4-5.5(COMPOSITE B4-2.5)				X			X	X
																						B4-6.0 (HOLD)								
																0	9	4	1			B3-1.0				X			X	X
16																						B3-2.5(COMPOSITE B3-5.5)				X			X	X
																						B3-3.0			X					
16																						B3-5.5(COMPOSITE B3-2.5)				X			XX	
																						B3-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT V. KUYAWA VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur		7/17/97 5:00PM
RELINQUISHED BY: (Signature) 1:00 3:17	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy White | Project Office Copy Yellow | Field or Office Copy Pink

6533

07/18/97 FRI 10:20 FAX 714 260 1831 HARDING LAWSON 009

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB.

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALAN MATKINS, ET.AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

	SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST.STL.	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
	48			X					1				97	07	16	0830	T5-1.0				X			X	X
17																	T5-2.5 (COMPOSITE T5-5.5)				X			X	X
																	T5-3.0			X					
17																	T5-5.5 (COMPOSITE T5-2.5)				X			X	X
																	T5-6.0 (HOLD)								
																0915	V1-1.0				X			X	X
18																	V1-2.5 (COMPOSITE V1-5.5)				X			X	X
																	V1-3.0			X					
18																	V1-5.5 (COMPOSITE V1-2.5)				X			X	X
																	V1-6.0 (HOLD)								

ANALYSIS REQUESTED

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT:
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	7-17-97 7:00
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
[signature] 6:15 7-17-97		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

6533

07/18/97 FRI 10:20 FAX 714 260 1801 HARDING LAWSON 011

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. N. 1, LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS, ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

	SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Sp. STL	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
	48			X					1				97	07	16	0945	W5-1.0				X			X	X
19																	W5-2.5 (COMPOSITE W5-5.5)				X			X	X
																	W5-3.0			X					
19																	W5-5.5 (COMPOSITE W5-2.5)				X			X	X
																	W5-6.0 (HOLD)								
																1010	W4-1.0				X			X	X
20																	W4-2.5 (COMPOSITE W4-5.5)				X			X	X
																	W4-3.0			X					
20																	W4-5.5 (COMPOSITE W4-2.5)				X			X	X
																	W4-6.0 (HOLD)								

ANALYSIS REQUESTED

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT:
						V. KUYAWA
						PWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	Jeff Ford	7-17-97 8:00
Jeff Ford 7-17-97 6:00		

DISPATCHED BY: (Signature)	DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME

METHOD OF SHIPMENT

Laboratory Copy Yellow — Project Office Copy Yellow — Field or Office Copy Pink

6533

012

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	$S_2S_2O_3$	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270	ICP METALS	EPA 8015M/TPH	DHS EPA 5030/8000	TCLP (ONLY) EPA 8080
4 B			X					=				9 7	0 7	1 6	1 1 4 0	W12-1.0			X	X			X	X
21																W12-2.5 (COMPOSITE W12-5.5)				X			X	X
																W12-3.0			X					
21																W12-5.5 (COMPOSITE W12-2.5)				X			X	X
																W12-6.0 (HOLD)								
															1 2 00	W9-1.0				X			X	X
22																W9-2.5 (COMPOSITE W9-5.5)				X			X	X
																W9-3.0			X					
22																W9-5.5 (COMPOSITE W9-2.5)				X			X	X
4																W9-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT V. KUYAWA
						YWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[illegible]	7-17-87 8:00
RELINQUISHED BY: (Signature) 7-17-87 4:00	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy (White) Project Office Copy (Yellow) Field or Office Copy (Pink)

0533

07/15/87 FRI 10:36 FAX 714 260 1831 HARDING LAWSON 013

HLA Harding Lawson Associates
J Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET. LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS ... ET. AL.

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

	SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	S_1 STL	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
	48			X					1				97	07	16	1305	W10-1.0				X			X	X
23																	W10-2.5 (COMPOSITE W10-5.5)				X			X	X
																	W10-3.0			X					
23																	W10-5.5 (COMPOSITE W10-2.5)				X			X	X
																	W10-6.0 (HOLD)								
																1330	W8-1.0				X			X	X
24																	W8-2.5 (COMPOSITE W8-5.5)				X			X	X
																	W8-3.0			X					
24																	W8-5.5 (COMPOSITE W8-2.5)				X			X	X
																	W8-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	Jeff Ford	7-17-97 18:07
Jeff Ford 7-17-97 6:00		
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

6533

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV NET LAB

Job Number: 38878.1
Name/Location: ALLEN MATKINS ET. AL.
Project Manager: ANDREW KELLER

Samplers: VIKAS MATHUR
Recorder: Vikas Mathur (Signature Required)

	SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST. STL	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
	48			X					1				97	07	16	1350	W7-1.0				X			X	X
25																	W7-2.5 (COMPOSITE W7-5.5)				X			X	X
																	W7-3.0			X					
26																	W7-5.5 (COMPOSITE W7-2.5)				X			X	X
																	W7-6.0 (HOLD)								
																1415	W2-1.0				X			X	X
26																	W2-2.5 (COMPOSITE W2-5.5)				X			X	X
																	W2-3.0			X					
26																	W2-5.5 (COMPOSITE W2-2.5)				X			X	X
																	W2-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT
						V. KUYAWA
						VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	7-17-97 8:00
[signature] 7-17-97 6:00		
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature) DATE/TIME	
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

6533

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: ADFR ENV NET LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Cr, Pb	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	ANALYSIS REQUESTED: EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM CAM 6010/7000	PCB (ONLY)/8080
18			X					1				97	07	16	1535	T1-1.0				X			X	X
27																T1-2.5 (COMPOSITE T1-5.5)				X			X	X
27																T1-3.0			X					
																T1-5.5 (COMPOSITE T1-2.5)				X			X	X
																T1-6.0 (HOLD)								
															1610	T2-1.0				X			X	X
28																T2-2.5 (COMPOSITE T2-5.5)				X			X	X
																T2-3.0			X					
28																T2-5.5 (COMPOSITE T2-2.5)				X			X	X
																T2-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT:
						V. KUYAWA
						VNR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Vikas Mathur	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature) 7-17-97 6:30	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy (White) Project Office Copy Field or Office Copy (Pink)

6533

07/18/97 FRI 10:48 FAX 714 260 1831 HARDING LAWSON 016

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER ENV NET LAB

Job Number: 38878.1
Name/Location: ALLEN MATKINS
Project Manager: ANDREW KELLER

Samplers: VIKAS MATHUR
Recorder: Vikas Mathur (Signature Required)

	SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	ST, STL	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240-8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
29	48			X					1				97	07	16	1635	T3-1.0				X			X	X
29																	T3-2.5 (COMPOSITE T3-5.5)				X			X	X
																	T3-3.0			X					
29																	T3-5.5 (COMPOSITE T3-2.5)				X			X	X
																	T3-6.0 (HOLD)								
30																1700	T4-1.0				X			X	X
30																	T4-2.5 (COMPOSITE T4-5.5)				X			X	X
																	T4-3.0			X					
30																	T4-5.5 (COMPOSITE T4-2.5)				X			X	X
																	T4-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT: V. KUYAWA VWR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	[illegible]
[signature] 3-3-97		

DISPATCHED BY: (Signature) DATE/TIME | RECEIVED FOR LAB BY: (Signature) DATE/TIME

METHOD OF SHIPMENT

Laboratory Copy White | Project Office Copy Yellow | Field or Office Copy Pink

6533

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV. NET LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Jr. Size	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	ANALYSIS REQUESTED: EPA 601/8010	EPA 602/8020	EPA 624/8240/8260	EPA 625/8270 SVOC	ICP METALS	EPA 8015M/TPH	PPM EPA 6010/7000	PCE (ONLY) EPA 8080
SS			X					1				97	07	16	1750	V13-1.0				X			X	X
SS			X					1								V13-2.5 (COMPOSITE V13-5.5)				X			X	X
SS			X					1								V13-3.0			X					
SS			X					1								V13-5.5 (COMPOSITE V13-2.5)				X			X	X
SS			X					1								V13-6.0 (HOLD)								
SS			X					1							1830	V9-1.0				X			X	X
SS			X					1								V9-2.5 (COMPOSITE V9-5.5)				X			X	X
SS			X					1								V9-3.0			X					
SS			X					1								V9-5.5 (COMPOSITE V9-2.5)				X			X	X
SS			X					1								V9-6.0 (HOLD)								

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT: V. KUYAWA
						VNR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	Jeff Ford	7/17/97 8:30
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

G533

07/18/97 FRI 10:58 FAX 714 260 1831 HARDING LAWSON 010

Harding Lawson Associates
30 Corporate Park, Suite 400
Irvine, CA 92714
(714) 260-1800

CHAIN OF CUSTODY FORM

Lab: AMER. ENV NET LAB

Samplers: VIKAS MATHUR

Job Number: 38878.1

Name/Location: ALLEN MATKINS

Project Manager: ANDREW KELLER

Recorder: Vikas Mathur (Signature Required)

	SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	#CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	Zn_2SO_4	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Dy	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 624/8240 8260	EPA 625/8270 SVOC	ICP METALS	EPA 9015M/TPH	PPM EPA 6010/7000	PCB (ONLY) EPA 8080
	48			X					1				97	07	16	1440	W3-1.0				X			X	X
33																	W3-2.5 (COMPOSITE W3-5.5)				X			X	X
																	W3-3.0			X					
33																	W3-5.5 (COMPOSITE W3-2.5)				X			X	X
																	W3-6.0 (HOLD)								
																1510	W6-1.0				X			X	X
34																	W6-2.5 (COMPOSITE W6-5.5)				X			X	X
																	W6-3.0			X				X	X
34																	W6-5.5 (COMPOSITE W6-2.5)				X			X	X
																	W6-6.0 (HOLD)								

ANALYSIS REQUESTED

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						5 DAY TURN
						CONTACT:
						V. KUYAWA
						VNR SAMPLES

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Vikas Mathur	[signature]	7/17/97 1:00
RELINQUISHED BY: (Signature) [signature] 7-17-97 1:00	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
METHOD OF SHIPMENT		

Laboratory Copy White — Project Office Copy Yellow — Field or Office Copy Pink

6533

APPENDIX E

APPENDIX E

UNDERGROUND STORAGE TANK CLOSURE REPORT, TRG, AUGUST 1997

THE REYNOLDS GROUP
ENVIRONMENTAL SERVICES

UNDERGROUND STORAGE TANK CLOSURE REPORT

BALBOA PACIFIC
11240 BLOOMFIELD AVENUE
SANTA FE SPRINGS, CALIFORNIA

AUGUST, 1997

PREPARED FOR:

BC Santa Fe Springs, LLC
717 Lido Park Drive
Newport Beach, CA 92663

TRG Number 5033-BC

250 El Camino Real, Suite 214, Tustin, California 92680
Phone 714 730 5288 Fax 714 730 6476

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11240 BLOOMFIELD AVENUE
SANTA FE SPRINGS, CALIFORNIA

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APPENDIX B	Laboratory Report and Chain-of-Custody Documentation
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UNDERGROUND STORAGE TANK CLOSURE REPORT

BALBOA PACIFIC
11240 BLOOMFIELD AVENUE
SANTA FE SPRINGS, CALIFORNIA

EXECUTIVE SUMMARY

This report summarizes the removal of one steel underground storage tank (UST) at "Balboa Pacific", 11240 Bloomfield Avenue in the City of Santa Fe Springs, State of California (the Site, Figure 1).

On August 27, 1997, one 280 gallon waste oil UST was removed from the Site. Also one soil sample was collected from beneath the former UST as required by the City of Santa Fe Springs Fire Department (SFSFD). The sample taken indicated trace concentrations of total recoverable petroleum hydrocarbons (TRPH) at 19 milligrams per kilogram or parts per million (ppm). Laboratory results were "non-detect" for benzene, toluene, ethylbenzene and xylenes (BTEX).

Based on these laboratory results and the work performed, we recommend full and unconditional closure of the Site with respect to the underground storage tank.

1.0 INTRODUCTION

1.1 Involved Parties

BC Santa Fe Springs, LLC (the Client) retained The Reynolds Group (TRG, the contractor and consultant) to remove one UST at the site. Once the tank was uncovered, it was determined to be a 280 gallon UST. Required permits were obtained by TRG prior to performing the work. JEM Degassing (JEM) of El Toro, California was a subcontractor on the job.

Regulatory oversight was provided by the SFSFD as represented by Inspector Brenda Nelson. Excavation and tank disposal was performed by JEM. Rinsing, transportation and disposal of the waste liquids was performed by Cal Vac Environmental and the tank was certified clean by Harbor Testing Laboratories, both under contract to JEM. TRG measured lower explosive limits and oxygen levels and prepared this tank closure report. TRG collected the soil sample under the direction of the SFSFD, and Del Mar Analytical provided laboratory analyses.

2.0 GENERAL SITE CHARACTERISTICS

2.1 Site Description

The Site is currently occupied by Balboa Pacific, a contracting and environmental remediation company. The former 280 gallon UST was located on the northern central part of the property behind a storage garage. (See Figure 2).

2.2 Site Lithology

Soil encountered during the excavation consisted of brown, fine to course, slightly silty sands. During the tank removal and excavation, groundwater was not encountered. According to Nancy in the Hydrology Division of the Los Angeles County Department of Public Works, the nearest well to the

[redacted]
FX-9: Wells

ground surface.

3.0 UST REMOVAL

3.1 Field Activities and Observations

Prior to performing the work, TRG obtained a tank closure permit from the SFSFD. A copy of the permit is attached in Appendix A. The tank was permitted as a 1,000 gallon UST. Upon uncovering the tank, it was determined to be 280 gallons.

Excavation activities began at approximately 7:30 a.m. and cleaning of the UST commenced at approximately 10:00 a.m. The inside of the tank was spray washed and rinsate liquids and solids were removed and properly disposed at DeMenno/Kerdoon, a certified transfer, storage and disposal (TSD) facility in Compton, California. A copy of the rinsate manifest is included in Appendix C.

Prior to removal from the excavation, dry ice was dropped in the tank. Under the supervision of Inspector Nelson, the tank was pulled from the excavation with a backhoe at approximately 3:00 p.m. The UST was then transported to Adams Steel in Anaheim, California, and destroyed for scrap metal. A tank destruction certificate is included in Appendix C. No visible signs of holes or deterioration of the tank were noted.

After removal of the tank, the excavation was filled with native soil and approximately two tons of imported pea gravel.

3.2 Soil Sampling Procedures and Rationale

After the UST was removed, a representative from The Reynolds Group collected one soil sample from beneath the former UST (Sample T-1). Inspector Nelson selected the sample location and observed the sample collection (See Figure 2).

Prior to sample collection, the backhoe removed overburden soil in the sampling area to reach undisturbed soil. The sample was collected from the backhoe bucket into a clean, brass, sample tube. Soil was collected into the tube by forcing the tube into soil adjacent to the teeth of the backhoe bucket. The sample tube was overfilled to minimize head space losses. The ends of the sample tube were lined with Teflon and capped with polyethylene caps. The SFSFD observed the sample collection and labeling process. The soil sample was retained on ice and transported with chain-of-custody documentation to Del Mar Analytical, of Van Nuys, California.

3.3 Laboratory Analyses and Results

The sample was analyzed for TRPH by EPA Method 418.1, and for BTEX by EPA Method 8020. The analytical methods used were those requested by the SFSFD. Laboratory results were "non-detect" for BTEX, and showed only trace concentrations of TRPH (19 ppm). The laboratory report and chain-of-custody documentation are contained in Appendix B.

4.0 CONCLUSIONS & RECOMMENDATIONS

The following conclusions are based on the results of the field work conducted at the Site and subsequent laboratory analyses:

- One 280 gallon gallon UST was removed from the subject site.
- The soil sample taken from beneath the former UST was "non-detect" for BTEX and showed only trace concentrations of TRPH at 19 ppm.
- The tank excavation was backfilled.

Based on these results and our observations, we recommend full and unconditional closure at this site with respect to the underground storage tank. The TRPH level detected is far below current regulatory guidelines and there is no need for further work.

5.0 LIMITATIONS

This report is based on the information gathered during the course of the work as described in the text and references. Its validity is based on the available facts, circumstances, and data as of the date of the report and TRG takes no responsibility for any subsequent changes in those facts, circumstances, and data.

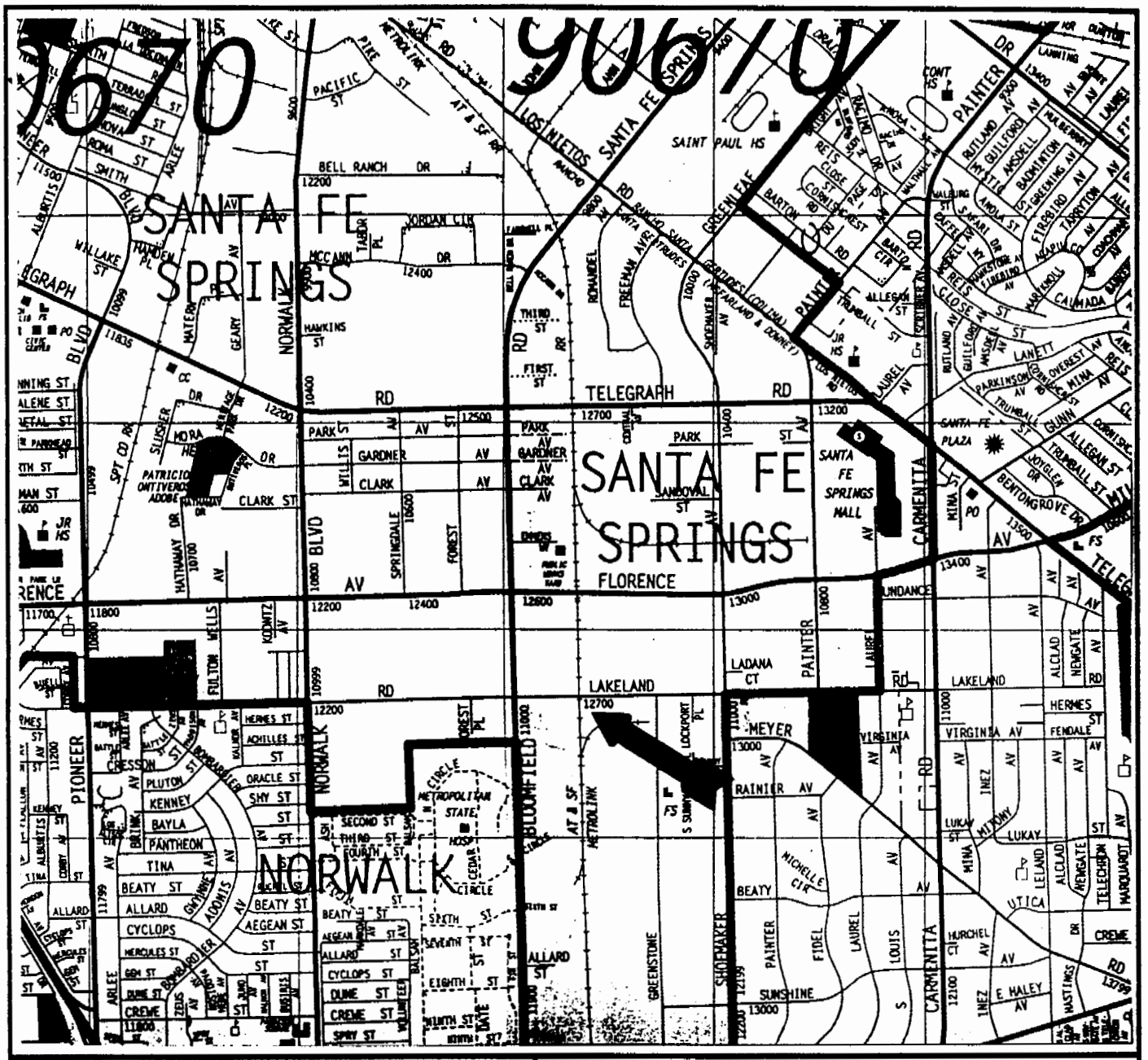
This report is rendered as of the date hereof and is intended solely for the benefit and use of the client.

F. Edward Reynolds, Jr.
California Registered Civil Engineeer
#38677

Angel Cardoza, Jr.
Environmental Engineer

FIGURE 1

SITE LOCATION MAP



ADAPTED FROM 1997 L.A. COUNTY THOMAS BROTHERS GUIDE, PAGES 706 & 707.

0 2000 4000

FEET

APPROXIMATE SCALE

THE REYNOLDS GROUP

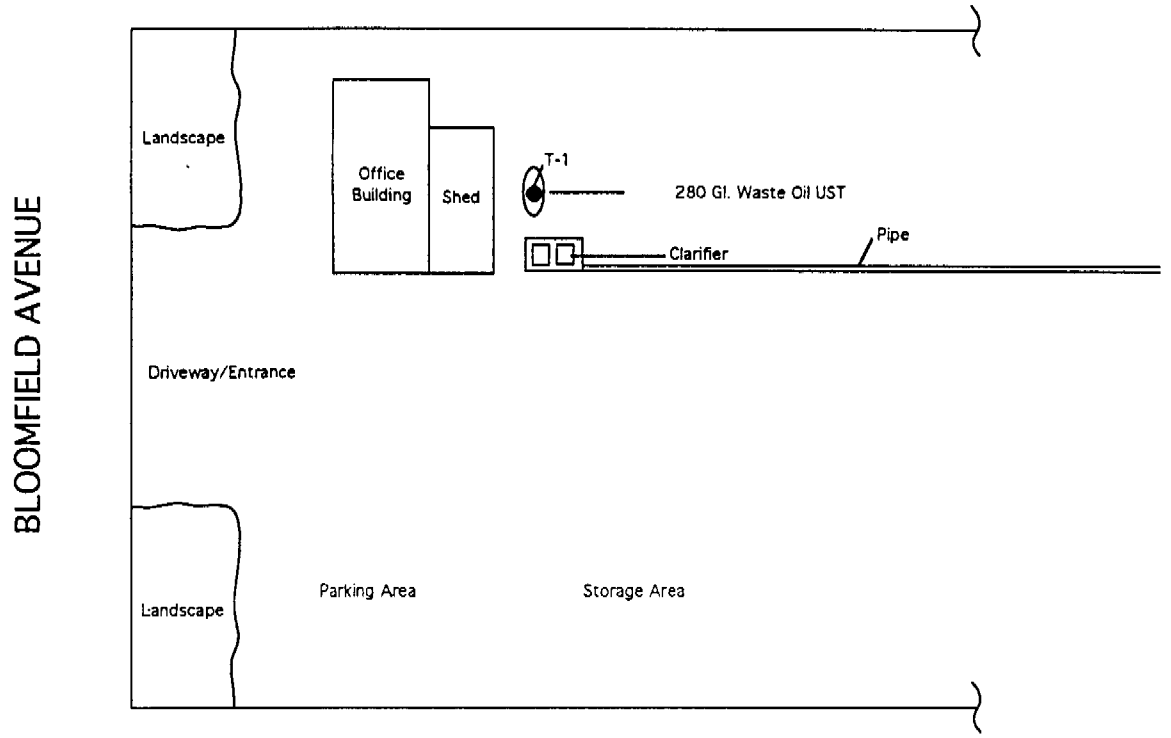
FIGURE 1
SITE LOCATION MAP

BALBOA PACIFIC
11240 BLOOMFIELD AVE.
SANTA FE SPRINGS, CA

AUGUST 1997

FIGURE 2

SITE PLOT PLAN WITH SAMPLE LOCATION



0 100 200

FEET

APPROXIMATE SCALE

THE REYNOLDS GROUP

TANK PLOT PLAN WITH SAMPLE LOCATION

BALBOA PACIFIC
11240 BLOOMFIELD
SANTA FE SPRINGS, CA

AUGUST 1997

APPENDIX A

TANK REMOVAL PERMIT

CITY OF SANTA FE SPRINGS
FIRE DEPARTMENT
FIRE ENVIRONMENTAL PROTECTION BUREAU
11300 GREENSTONE AVE., SANTA FE SPRINGS, CA 90670
(310) 944-9713 • FAX (310) 941-1817

PLAN REVIEW/FIELD INSPECTION/SPECIAL ACTIVITIES APPLICATION

Name of Facility BALBOA PACIFIC
Project Address 11240 BLOOMFIELD AVE Unit # —
Architect/Engineer telephone
Address
Contractor THE REYNOLDS GROUP telephone 714/730-5397
Address 250 EL CAMINO REAL, #204, TUSTIN CA 92780

DESCRIPTION OF WORK
removal of 1-1,000 gal waste oil UST

LICENSED CONTRACTOR DECLARATION:
I hereby affirm that I am licensed under provisions of Charter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A/HAZ License No. 659765
Signature F. Edward Reynolds Jr. Date 8/18/97

OWNER BUILDER DECLARATION
I hereby certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relati to construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature Kelly Clinton Date 8/19/97 City License

(√)	DESCRIPTION	FEE
	PLAN REVIEW AND FIELD INSPECTIONS	
	Preliminary Plan Review	
	Fire Alarm Systems	
	Fire Extinguishing System	
	FIRE SPRINKLER SYSTEMS	
	a. Up to 20,000 sq. ft. per floor	
	b. 20,001 to 50,000 sq. ft. per floor	
	c. 50,001 to 100,000 sq. ft. per floor	
	d. More than 100,000 sq. ft. per floor	
	e. U/G Fire Main(s)	
	Flammable/Combustible Liquid Room	
	Compressed Gas System	
	Hazardous Material Tank (U/G & A/G)	
	Flammable/Combustible Liquid Tank (U/G & A/G)	
	Flammable/Combustible Liquid Piping or Repiping System(s)	
	L.P.G. Tanks	
	Paint Spray Booths/Dip Tank	
	Dust Collection System	
	NEW CONSTRUCTION PLAN REVIEW	
	a. Up to 20,000 sq. ft. per floor	
	b. 20,001 to 50,000 sq. ft. per floor	
	c. 50,001 to 100,000 sq. ft. per floor	
	d. More than 100,000 sq. ft. per floor	

(√)	DESCRIPTION	FEE
	On-site Fire Hydrant System	
	Drying Ovens	
	High-Piled Combustible Stock (Racks/Draft Curtains/Hose Racks/Smoke Vents)	
	a. 501 to 2,500 sq. ft.	
	b. 2,501 to 12,000 sq. ft.	
	c. 12,001 to 20,000 sq. ft.	
	d. More than 20,001 sq. ft.	
	Tents and Air Support Structure	
	Tenant Improvements (Structural/Auto Sprinklers)	
	Soil Venting Systems	
	Gas Detection System	
	SPECIAL ACTIVITIES AND EVENTS -- ONE TIME PERMITS	
	U/G TANK REMOVAL	
	a. First Tank	210
	b. Each Additional Tank	
	Abandonment/Reabandonment of Oil Wells (Including Capping)	
	Monitoring Wells	
	Standby Fire Watch	
	Fire Department Equipment With Crew	
	Request Inspection	
	Risk Management Prevention Program (RMPP), Requests for site information, Hazardous Material Business Plan Review	
	Other	
	Other	

MAKE CHECKS PAYABLE TO THE CITY OF SANTA FE SPRINGS

TOTAL DUE 210

INSPECTOR B Nelson DATE 8/19/97

APPENDIX B

LABORATORY REPORT & CHAIN OF CUSTODY DOCUMENTATION

Del Mar Analytical

4802 Allen Ave., Irvine, CA 92606 (714) 261-1022 FAX (714) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
16435 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1

Analysis Method: EPA 418.1 (I.R. with clean-up)
First Sample #: GH03988

Sampled: Aug 27, 1997
Received: Aug 27, 1997
Extracted: Sep 2, 1997
Analyzed: Sep 2, 1997
Reported: Sep 2, 1997

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Number	Sample Description Soil	Sample Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor
GH03988	T-1	19	5.0	1

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (714) 261-1022 FAX (714) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
16329 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2445 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8772 FAX (602) 968-1338

Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1

Analysis Method: EPA 5030/8020
First Sample #: GH03988

Sampled: Aug 27, 1997
Received: Aug 27, 1997
Extracted: Aug 30, 1997
Analyzed: Aug 30, 1997
Reported: Sep 2, 1997

BTEX DISTINCTION (EPA 8020)

Laboratory Number	Sample Description Soil	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
GH03988	T-1	N.D.	N.D.	N.D.	N.D.
Dilution 1:1	Reporting Limit:	0.0050	0.0050	0.0050	0.015

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1157)

Jim Hatfield
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical
2002 Allen Ave., Irvine, CA 92606 (714) [illegible]-4022 FAX (714) 261-1
[illegible] FAX (808) 370-[illegible]
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) [illegible]-1844 FAX (818) 779-[illegible]
8484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-[illegible] FAX (619) 505-[illegible]
2405 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1

SANTOCHE & BRAVANTE LLC. CHAIN OF CUSTODY FORM

Page _____ of _____

Client Name/Address: BC Santa Fe Springs, 717 Lido Park Drive, Newport C/O S&B

Project/PO Number: 9621-001-1

Project Manager: T. Santochi & Kelly Churton

Sampler:

Phone Number: (714)644-2690

Fax Number: (714)644-2691

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	418.1	8020								Special Instructions
T-1	S&B	Brass	1	4:00 PM.		✓	✓								SAMPLE FROM TANK PIT - 280 gal tank

Relinquished By:	Date /Time:	Received by:	Date /Time:
[signature]	8/27/97 : 5:15 PM		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by: [signature]	Date /Time: 8/27/97 5:15

Turnaround Time: (Check)
same day _____ 72 hours _____
24 hours _____ 5 days _____
48 hours _____ normal ✓

Sample Integrity: (Check)
intact [initials] on ice [initials]

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

APPENDIX C

RINSATE FLUID MANIFEST,
AND
TANK DESTRUCTION CERTIFICATE

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Cont
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

4. Generator's Phone

5. Transporter 1 Company Name | 6. US EPA ID Number

7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address | 10. US EPA ID Number

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a.				
b.				
c.				
d.				

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
		09	12	97

DO NOT WRITE BELOW THIS LINE.

GENERATOR | TRANSPORTER | FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/95)
EPA 8700—22

Green: TRANSPORTER RETAINS

CERTIFICATE OF DESTRUCTION

COMPANY NAME _____

ADDRESS 11240 Bloomfield
Santa Fe Spngs

ADAMS STEEL CERTIFIES THAT the 1-
280 gallon tank

HAS/HAVE BEEN SCRAPPED, CRUSHED, AND TOTALLY DESTROYED ON: Aug 28, 97

SIGNATURE Tamara Caldwell

TITLE Purchasing Agent

DATE Aug 28 97

ADAMS STEEL
3200 E. FRONTERA ROAD
ANAHEIM CA 92806
(714) 777-CARS
FAX (714) 630-5836

APPENDIX F

APPENDIX F

CLARIFIER AND PIPING REMOVAL CLOSURE REPORT, TRG, AUGUST 1997

THE REYNOLDS GROUP
ENVIRONMENTAL SERVICES

CLARIFIER AND PIPING REMOVAL CLOSURE REPORT

BALBOA PACIFIC
11240 BLOOMFIELD AVENUE
SANTA FE SPRINGS, CALIFORNIA

AUGUST, 1997

PREPARED FOR:

BC Santa Fe Springs, LLC
717 Lido Park Drive
Newport Beach, CA 92663

TRG Number 5033-BC

250 El Camino Real, Suite 214, Tustin, California 92680
Phone 714 730 5288 Fax 714 730 6476

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2.1 Site Description 2
2.2 Site Lithology 3

3.0 CLARIFIER AND PIPING REMOVAL **3**
3.1 Field Activities and Observations 3
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CLARIFIER & PIPING REMOVAL
CLOSURE REPORT

BALBOA PACIFIC
11240 BLOOMFIELD AVENUE
SANTA FE SPRINGS, CALIFORNIA

EXECUTIVE SUMMARY

This report summarizes the removal of one concrete clarifier and associated piping at Balboa Pacific, 11240 Bloomfield Avenue in the City of Santa Fe Springs, State of California (the Site, Figure 1).

On August 27, 1997, one 8 foot by 15 foot by 22 foot deep (8' x 15' x 22') concrete clarifier and approximately 300 feet of associated piping extending east from the clarifier were removed from the Site. Also, a total of ten soil samples were collected: four from each side of the clarifier and six from beneath the former piping as required by the City of Santa Fe Springs Fire Department (SFSFD). One sample, CT-4, showed concentrations of total petroleum hydrocarbons (TPH) as diesel at 1,900 milligrams per kilogram or parts per million (ppm) and traces of toluene and ethylbenzene at 0.36 ppm and 0.01 ppm, respectively. Acetone was also detected in Sample CT-4 at 0.049 ppm. One other sample, CT-1, also indicated slight concentrations of TPH at 43 ppm, but was "non-detect" for benzene, toluene, ethylbenzene and xylenes (BTEX) and for volatile organic compounds (VOC's). All other samples were "non-detect" for TPH, BTEX, and VOC's. All metals results were also within allowable ranges.

Based on the laboratory results and the work performed, we recommend full and unconditional closure of the Site with respect to the clarifier and the piping that were removed.

1.0 INTRODUCTION

1.1 Involved Parties

BC Santa Fe Springs, LLC (the Client) retained The Reynolds Group (TRG, the contractor and consultant) to remove one 8' x 15' x 22' concrete clarifier and associated piping at the site. Required permits were obtained by TRG prior to performing the work.

Regulatory oversight was provided by the SFSFD as represented by Inspector Tom Hall. Excavation of the clarifier and piping was performed by JEM. Rinsing, transportation and disposal of the waste liquids was performed by Cal Vac Environmental. TRG collected the soil samples under the direction of the SFSFD and prepared this closure report. Del Mar Analytical provided laboratory analyses.

2.0 GENERAL SITE CHARACTERISTICS

2.1 Site Description

The Site is currently occupied by Balboa Pacific, a contracting and environmental remediation company. The former clarifier was located on the northern central part of the property behind a shed. Approximately 300 feet of associated piping ran from the clarifier east to the eastern property line (Figure 2). The piping running west from the clarifier to Bloomfield Avenue was excluded from this scope of work.

2.2 Site Lithology

Soil encountered during the excavation consisted of brown, fine to course, slightly silty sands. During the tank removal and excavation, groundwater was not encountered. According to Nancy in the Hydrology Division of the Los Angeles County Department of Public Works, the nearest well to the Site is located approximately two miles northeast of the site at the intersection of Barton Road and Dupage Avenue (Well No. 1645-H). Depth to groundwater at Well No. 1645-H is 43.1 feet below ground surface.

3.0 CLARIFIER AND PIPING REMOVAL

3.1 Field Activities and Observations

Prior to performing the work, TRG obtained a closure permit from the SFSFD. A copy of the permit is attached in Appendix A.

Excavation activities starting with the piping removal began at approximately 7:30 a.m. on August 27, 1997, and cleaning of the clarifier commenced at approximately 11:00 a.m. A number of previously unidentified utility lines and pipelines crossed the trench above and below the clarifier line. One private fresh water line was damaged during the work and was repaired. No other lines were damaged. The inside of the clarifier was spray washed and rinsate liquids and solids were removed and properly disposed at DeMenno/Kerdoon, a certified transfer, storage and disposal (TSD) facility in Compton, California. A copy of the rinsate manifest is included in Appendix C. Excavation work continued on August 28, 1997.

After sampling on August 29, the clarifier excavation and pipe trenches were backfilled with one and three-quarters truckloads of imported pea gravel and native soils.

3.2 Soil Sampling Procedures and Rationale

Throughout the day of August 29, 1997, a representative from The Reynolds Group collected four soil samples from beneath the former clarifier and six samples from beneath the former piping. Inspector Hall selected the four sample locations at the clarifier and the six sample locations along the piping. He observed most of the sample collection (See Figure 2).

Please note that the bottom of the clarifier was concrete poured in place to 22 feet below ground surface. Because of this, the concrete bottom would have required an extraordinary effort to remove. After discussing the matter with Inspector Hall, he allowed the concrete bottom to remain in place provided that soil samples could be taken by slanting the augers around the bottom. Therefore, four hand-augered samples were collected from beneath the concrete bottom of the clarifier, two more than the normal sampling of the inlet and outlet required under normal permit conditions. The concrete slab bottom was left in place.

Prior to sample collection, the backhoe removed overburden soil in the sampling areas to reach relatively undisturbed soil. Then samples of relatively undisturbed soils were collected from the clarifier and the lines by driving the sampling tubes into the soil with a slide hammer. The ends of the sample tubes were lined with Teflon and capped with polyethylene caps. The soil samples were retained on ice and transported, with chain-of-custody documentation, to Del Mar Analytical of Van Nuys, California.

3.3 Laboratory Analyses and Results

A total of ten samples were collected, four from around the clarifier and six along the former piping (see Figure 2). As required by SFSFD, samples were analyzed for total petroleum hydrocarbons (TPH) by EPA Method 8015, for benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8020, for volatile organic compounds (VOC's) by EPA Method 8240, and for CAM/Title 22 Metals.

One sample, CT-4, showed concentrations of TPH as diesel at 1,900 ppm and traces of toluene and ethylbenzene at 0.36 ppm and 0.01 ppm, respectively. Acetone was also detected in Sample CT-4 at 0.049 ppm. One other sample, CT-1, also indicated slight concentrations of TPH at 43 ppm, but was "non-detect" for BTEX and VOC's. All other samples were "non-detect" for TPH, BTEX, and VOC's.

With respect to CAM/Title 22 Metals, all results were also within allowable ranges.

4.0 CONCLUSIONS & RECOMMENDATIONS

The following conclusions are based on the results of the field work conducted at the Site and subsequent laboratory analyses:

- One 8' x 15' x 22' concrete clarifier and approximately 300 feet of associated piping running east from the clarifier were removed from the subject site.

- Ten soil samples were taken in accordance with Inspector Hall's desires, four under the clarifier and six from under the pipelines.

- Two soil samples, CT-1 and CT-4, taken from beneath the former piping showed concentrations of TPH at 43 ppm and 1,900 ppm, respectively. Sample CT-4 also showed traces of toluene (0.36 ppm), ethylbenzene (0.01 ppm), and acetone (0.049 ppm).
-
- All metals results were within allowable ranges.

- The clarifier excavation and the pipeline excavation were backfilled.

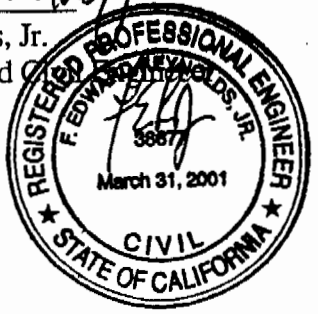
Based on these results and our observations, we recommend full and unconditional closure at this site with respect to the clarifier and the piping that were removed.

5.0 LIMITATIONS

This report is based on the information gathered during the course of the work as described in the text and references. Its validity is based on the available facts, circumstances, and data as of the date of the report and TRG takes no responsibility for any subsequent changes in those facts, circumstances, and data.

This report is rendered as of the date hereof and is intended solely for the benefit and use of the client.

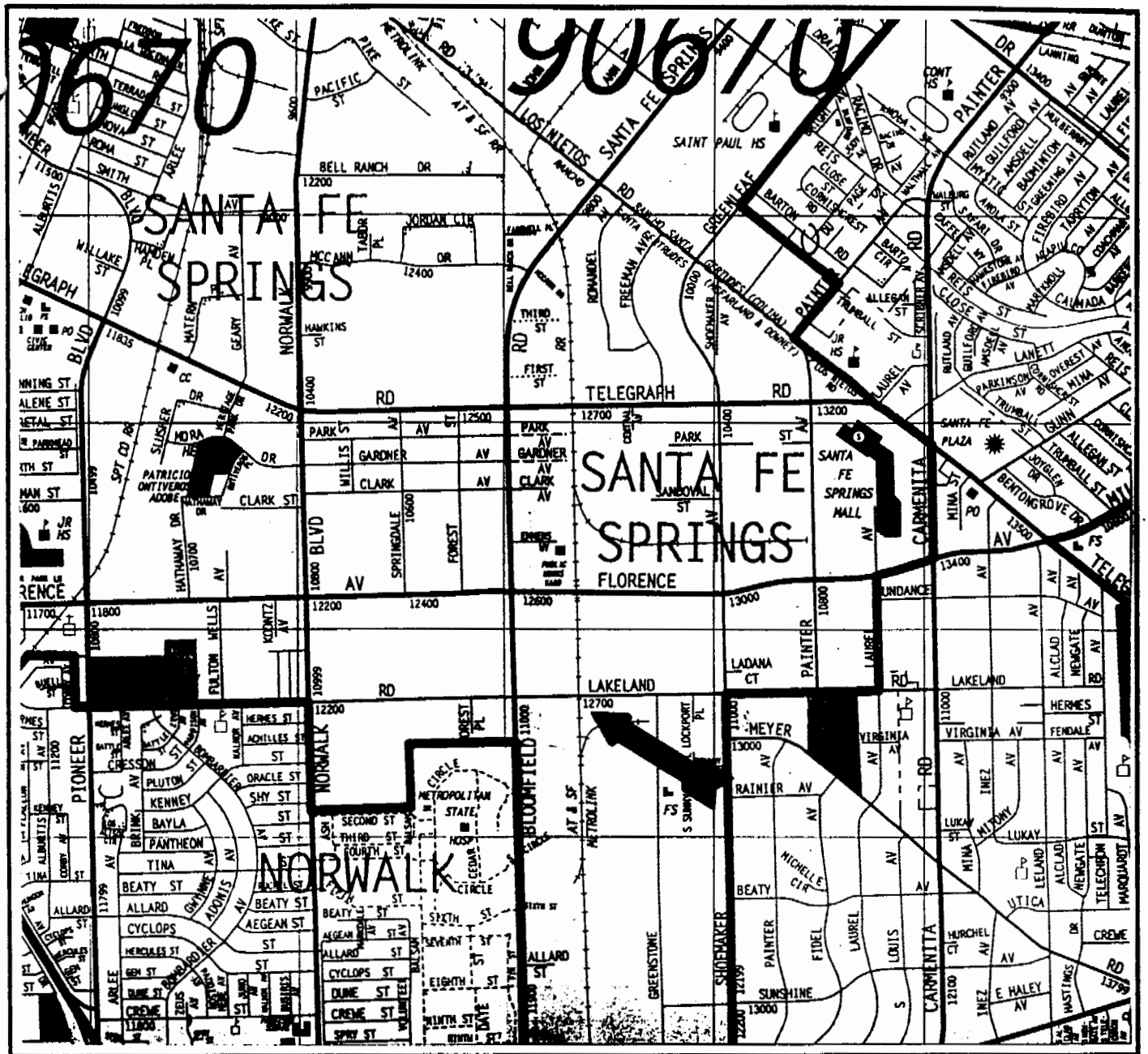
F. Edward Reynolds, Jr.
California Registered Civil Engineer
#38677

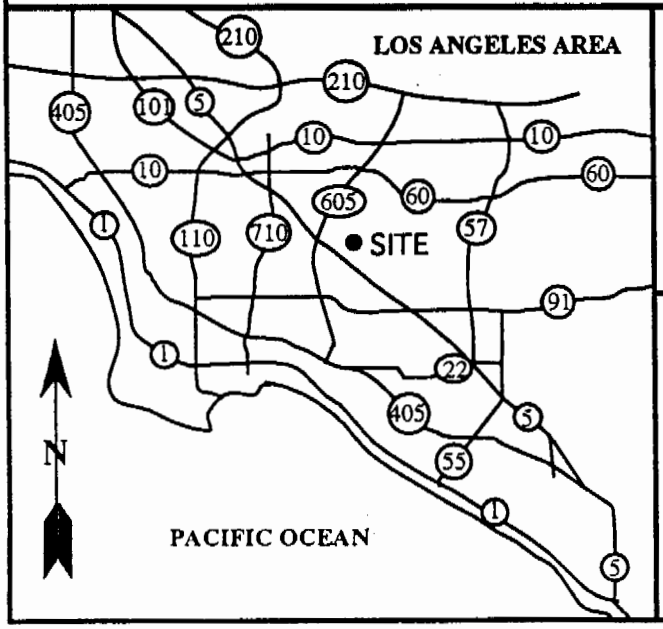


Angel Cardoza, Jr.
Environmental Engineer

FIGURE 1

SITE LOCATION MAP





ADAPTED FROM 1997 L.A. COUNTY THOMAS BROTHERS GUIDE, PAGES 706 & 707.

0 2000 4000

FEET

APPROXIMATE SCALE

THE REYNOLDS GROUP

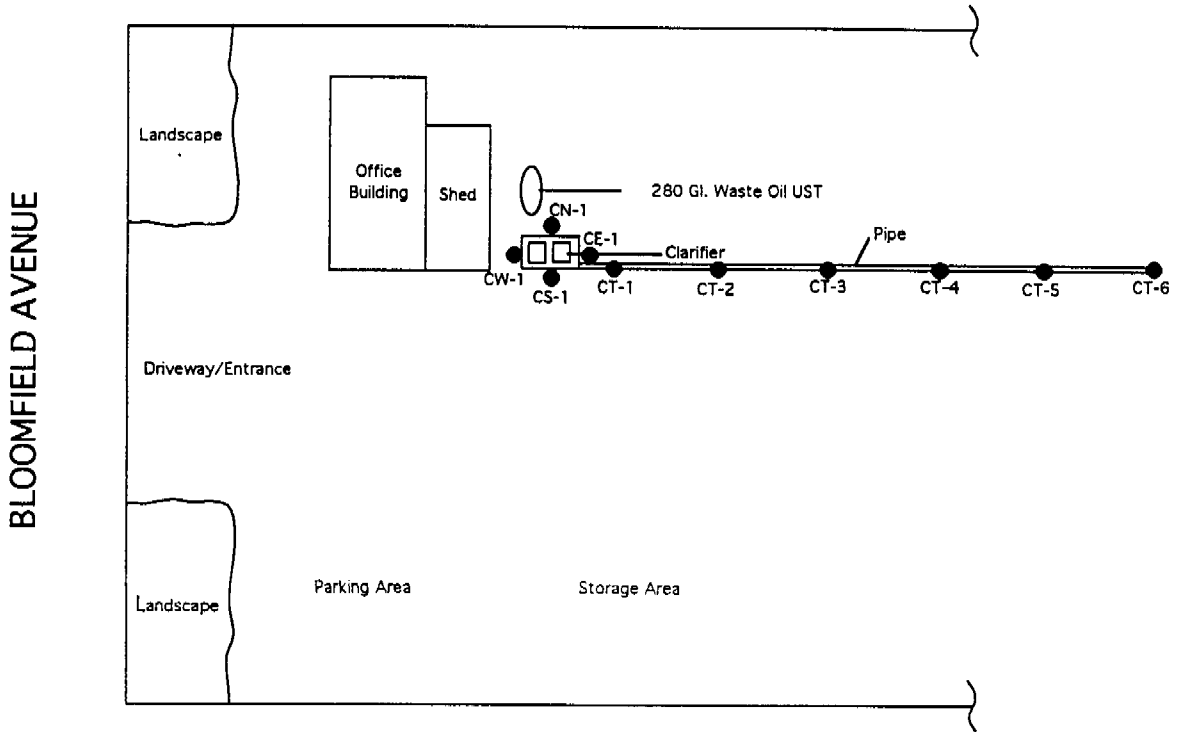
FIGURE 1
SITE LOCATION MAP

BALBOA PACIFIC
11240 BLOOMFIELD AVE.
SANTA FE SPRINGS, CA

AUGUST 1997

FIGURE 2

SITE PLOT PLAN WITH SAMPLE LOCATION



0 100 200

FEET

APPROXIMATE SCALE

THE REYNOLDS GROUP

CLARIFIER PLOT PLAN WITH SAMPLE LOCATION

BALBOA PACIFIC
11240 BLOOMFIELD
SANTA FE SPRINGS, CA

AUGUST 1997

APPENDIX A

CLARIFIER REMOVAL PERMIT

APPLICATION FOR CLOSURE
Industrial Waste Treatment Unit

Fire Department, Environmental Protection Division
11300 Greenstone Ave., Santa Fe Springs, CA 90670

FOR OFFICE USE ONLY
FEE $ 114.00
CHECK ☒ CASH ☐

FACILITY / SITE INFORMATION

Company Name: BALBOA PACIFIC Phone Number: —
Site Address: 11240 BLOOMFIELD City: SANTA FE SPRINGS State: CA ZIP: 90670
Company Contact: TREVOR SANTOCHI Title: AGENT FOR OWNER

PROPERTY OWNER INFORMATION

Owner/Operator Name: BC SANTA FE SPRINGS, LLC Phone Number: (714) 723-1981
Mailing Address: 717 LIDO PARK DRIVE City: NEWPORT BCH. State: CA ZIP: 92663
Property Manager (if applicable): — Phone Number: —

CONTRACTOR INFORMATION

Contractor Name: THE REYNOLDS GROUP Contractor License No.: 659765
Company Name (if applicable): — Phone Number: (714) 730-5397
Mailing Address: P.O. BOX 1996 City: TUSTIN State: CA ZIP: 92781-1996

TYPE OF CLOSURE REQUESTED

☒ Treatment Unit Removal (See Conditions A, B, C, E and F on the back)
☐ Treatment Unit Closure in Place (See Conditions A, B, C, D and F on the back)

DESCRIPTION OF WASTE GENERATING OPERATIONS BEING CLOSED

Type of Business: IW Permit No.:
Waste Producing Operations:
Description of Equipment Being Closed:

Please Complete the Following	YES	NO
• Has an unauthorized release ever occurred at this site?	☐	☒
• Have structural repairs ever been made to the treatment unit?	☐	☒
• Will new treatment unit(s) be installed after closure?	☐	☒
• Will industrial waste generating operations remain after closure?	☐	☒

*If the answer is YES to any of the above questions, attach an explanation

NOTICE: Any waste remaining in the equipment may be a hazardous waste which must be transported and disposed of pursuant to Chapter 6.5 of the California Health & Safety Code. Failure to comply may be prosecuted as a felony violation.

The applicants' signature certifies, under penalty of purjury, that all statements and disclosures above are true and correct and that they have read and agree to abide by this closure authorization and all conditions and limitations on the reverse side of this form and additional conditions that may be attached.

Applicants Signature:	Date 8/15/97
(Print Name) George R Bravante JR.	Phone (714) 723-1981
Position: Owner ☒ Operator ☐ Contractor ☐	

TO BE FILLED OUT BY SFS FIRE DEPT.

PURSUANT TO SECTION 20.36.220 OF THE LOS ANGELES COUNTY CODE ADOPTED BY THE CITY OF SANTA FE SPRINGS, PERMISSION IS HEREBY GRANTED TO PROCEED WITH THE CLOSURE DESCRIBED ABOVE SUBJECT TO THE ATTACHED CONDITIONS AND LIMITATIONS. THIS AUTHORIZATION EXPIRES 180 DAYS FROM THE DATE BELOW.

BY: [signature] TITLE: Industrial Waste Engineer DATE: 8/22/97

APPENDIX B

LABORATORY REPORT &
CHAIN OF CUSTODY DOCUMENTATION

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (714) 261-1022 FAX (714) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: GH04465

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: Aug 30, 1997
Analyzed: Aug 30, 1997
Reported: Sep 4, 1997

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
GH04465	**CW-1**	**N.D.**	**N.D.**	**N.D.**	**N.D.**	**N.D.**
Dilution 1:1	Reporting Limit:	1.0	0.0050	0.0050	0.0050	0.015
GH04466	**CN-1**	**N.D.**	**N.D.**	**N.D.**	**N.D.**	**N.D.**
Dilution 1:1	Reporting Limit:	1.0	0.0050	0.0050	0.0050	0.015
GH04467	**CS-1**	**N.D.**	**N.D.**	**N.D.**	**N.D.**	**N.D.**
Dilution 1:1	Reporting Limit:	1.0	0.0050	0.0050	0.0050	0.015
GH04468	**CE-1**	**N.D.**	**N.D.**	**N.D.**	**N.D.**	**N.D.**
Dilution 1:1	Reporting Limit:	1.0	0.0050	0.0050	0.0050	0.015
GH04469	**CT-1**	**N.D.**	**N.D.**	**N.D.**	**N.D.**	**N.D.**
Dilution 1:1	Reporting Limit:	1.0	0.0050	0.0050	0.0050	0.015
GH04470	**CT-2**	**N.D.**	**N.D.**	**N.D.**	**N.D.**	**N.D.**
Dilution 1:1	Reporting Limit:	1.0	0.0050	0.0050	0.0050	0.015

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12. Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: GH04471

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: 8/30-9/1, 1997
Analyzed: 8/30-9/1, 1997
Reported: Sep 4, 1997

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
GH04471	**CT-3**	**N.D.**	**N.D.**	**N.D.**	**N.D.**	**N.D.**
Dilution 1:1	Reporting Limit:	1.0	0.0050	0.0050	0.0050	0.015
GH04472	**CT-4**	**140**	**N.D.**	**0.36**	**N.D.**	**N.D.**
Dilution 1:40	Reporting Limit:	40	0.20	0.20	0.20	0.60
GH04473	**CT-5**	**N.D.**	**N.D.**	**N.D.**	**N.D.**	**N.D.**
Dilution 1:1	Reporting Limit:	1.0	0.0050	0.0050	0.0050	0.015
GH04474	**CT-6**	**N.D.**	**N.D.**	**N.D.**	**N.D.**	**N.D.**
Dilution 1:1	Reporting Limit:	1.0	0.0050	0.0050	0.0050	0.015

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12. Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CW-1
Lab Number: GH04465

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: Aug 31, 1997
Analyzed: Aug 31, 1997
Reported: Sep 4, 1997

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	60	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121)	102%
Toluene-d8 (81-117)	100%
4-Bromofluorobenzene (74-121)	95%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CN-1
Lab Number: GH04466

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: Aug 31, 1997
Analyzed: Aug 31, 1997
Reported: Sep 4, 1997

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	60	N.D.
Chloromethane	5.0	N.D.
,1-Dichloroethane	2.0	N.D.
,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121)	104%
Toluene-d8 (81-117)	100%
4-Bromofluorobenzene (74-121)	97%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CS-1
Lab Number: GH04467

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: Aug 31, 1997
Analyzed: Aug 31, 1997
Reported: Sep 4, 1997

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	60	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121)	103%
Toluene-d8 (81-117)	101%
4-Bromofluorobenzene (74-121)	92%

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CE-1
Lab Number: GH04468

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: Aug 31, 1997
Analyzed: Aug 31, 1997
Reported: Sep 4, 1997

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	60	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121)	109%
Toluene-d8 (81-117)	102%
4-Bromofluorobenzene (74-121)	92%

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antochi & Bravante	Client Project ID: 9621-001-1	Sampled: Aug 29, 1997
20 Corporate Plaza		Received: Aug 30, 1997
Newport Beach, CA 92660	Sample Descript: Soil, CT-1	Extracted: Aug 31, 1997
Attention: Trevor Santochi	Lab Number: GH04469	Analyzed: Aug 31, 1997
		Reported: Sep 4, 1997

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	60	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121)	107%
Toluene-d8 (81-117)	104%
4-Bromofluorobenzene (74-121)	88%

Jim Hatfield
Project Manager

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CT-2
Lab Number: GH04470

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: Aug 31, 1997
Analyzed: Aug 31, 1997
Reported: Sep 4, 1997

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	60	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121).....	107%
Toluene-d8 (81-117).....	102%
4-Bromofluorobenzene (74-121).....	84%

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antochi & Bravante	Client Project ID: 9621-001-1	Sampled: Aug 29, 1997
20 Corporate Plaza		Received: Aug 30, 1997
Newport Beach, CA 92660	Sample Descript: Soil, CT-3	Extracted: Aug 31, 1997
Attention: Trevor Santochi	Lab Number: GH04471	Analyzed: Aug 31, 1997
		Reported: Sep 4, 1997

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	60	N.D.
Chloromethane	5.0	N.D.
',1-Dichloroethane	2.0	N.D.
,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121)	107%
Toluene-d8 (81-117)	102%
4-Bromofluorobenzene (74-121)	89%

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CT-4
Lab Number: GH04472

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: Sep 1, 1997
Analyzed: Sep 1, 1997
Reported: Sep 4, 1997

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	**10**	**49**
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	60	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	**2.0**	**10**
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121)	106%
Toluene-d8 (81-117)	97%
4-Bromofluorobenzene (74-121)	111%

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antochi & Bravante	Client Project ID: 9621-001-1	Sampled: Aug 29, 1997
20 Corporate Plaza		Received: Aug 30, 1997
Newport Beach, CA 92660	Sample Descript: Soil, CT-5	Extracted: Aug 31, 1997
Attention: Trevor Santochi	Lab Number: GH04473	Analyzed: Aug 31, 1997
		Reported: Sep 4, 1997

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	60	N.D.
Chloromethane	5.0	N.D.
,1-Dichloroethane	2.0	N.D.
,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121).....	109%
Toluene-d8 (81-117).....	104%
4-Bromofluorobenzene (74-121).....	87%

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antochi & Bravante	Client Project ID: 9621-001-1	Sampled: Aug 29, 1997
20 Corporate Plaza		Received: Aug 30, 1997
Newport Beach, CA 92660	Sample Descript: Soil, CT-6	Extracted: Aug 31, 1997
Attention: Trevor Santochi	Lab Number: GH04474	Analyzed: Aug 31, 1997
		Reported: Sep 4, 1997

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	60	N.D.
Chloromethane	5.0	N.D.
1-Dichloroethane	2.0	N.D.
,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121)	111%
Toluene-d8 (81-117)	103%
4-Bromofluorobenzene (74-121)	88%

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ntochi & Bravante	Client Project ID: 9621-001-1	Sampled:	Aug 29, 1997
20 Corporate Plaza		Received:	Aug 30, 1997
Newport Beach, CA 92660	Analysis Method: EPA 3550/CA DHS Mod. 8015	Extracted:	Sep 2, 1997
Attention: Trevor Santochi	First Sample #: GH04465	Analyzed:	Sep 2, 1997
		Reported:	Sep 4, 1997

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Laboratory Number	Sample Description Soil	Sample Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Hydrocarbon Type
GH04465	CW-1	N.D.	5.0	1	N.A.
GH04466	CN-1	N.D.	5.0	1	N.A.
GH04467	CS-1	N.D.	5.0	1	N.A.
GH04468	CE-1	N.D.	5.0	1	N.A.
GH04469	CT-1	43	5.0	1	C8-C40
GH04470	CT-2	N.D.	5.0	1	N.A.
GH04471	CT-3	N.D.	5.0	1	N.A.
GH04472	CT-4	1,900	100	20	C8-C38
GH04473	CT-5	N.D.	5.0	1	N.A.
GH04474	CT-6	N.D.	5.0	1	N.A.

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40. Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

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DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CW-1
Lab Number: GH04465

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: 8/30-9/2, 1997
Analyzed: 8/30-9/2, 1997
Reported: Sep 4, 1997

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	10		N.D.
Arsenic	6010	5.0	500	2.0		9.1
Barium	6010	100	10000	1.0		120
Beryllium	6010	0.75	75	0.50		N.D.
Cadmium	6010	1.0	100	0.50		1.3
Chromium, VI	7196	5.0	500	0.50		N.D.
Chromium, total	6010	5.0	2500	1.0		23
Cobalt	6010	80	8000	1.0		11
Copper	6010	25	2500	1.0		32
Lead	6010	5.0	1000	2.0		11
Mercury	7471	0.20	20	0.020		0.037
Molybdenum	6010	350	3500	1.0		N.D.
Nickel	6010	20	2000	1.0		29
Selenium	6010	1.0	100	2.0		N.D.
Silver	6010	5.0	500	1.0		N.D.
Thallium	6010	7.0	700	10		N.D.
Vanadium	6010	24	2400	1.0		37
Zinc	6010	250	5000	1.0		54

Analytes reported as N.D. were not present at or above the reporting limit.

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Jim Hatfield
Project Manager

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CN-1
Lab Number: GH04466

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: 8/30-9/2, 1997
Analyzed: 8/30-9/2, 1997
Reported: Sep 4, 1997

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	10	.....	N.D.
Arsenic	6010	5.0	500	2.0	.....	9.9
Barium	6010	100	10000	1.0	.....	140
Beryllium	6010	0.75	75	0.50	.....	N.D.
Cadmium	6010	1.0	100	0.50	.....	1.3
Chromium, VI	7196	5.0	500	0.50	.....	N.D.
Chromium, total	6010	5.0	2500	1.0	.....	24
Cobalt	6010	80	8000	1.0	.....	12
Copper	6010	25	2500	1.0	.....	29
Lead	6010	5.0	1000	2.0	.....	5.9
Mercury	7471	0.20	20	0.020	.....	0.045
Molybdenum	6010	350	3500	1.0	.....	N.D.
Nickel	6010	20	2000	1.0	.....	28
Selenium	6010	1.0	100	2.0	.....	N.D.
Silver	6010	5.0	500	1.0	.....	N.D.
Thallium	6010	7.0	700	10	.....	N.D.
Vanadium	6010	24	2400	1.0	.....	40
Zinc	6010	250	5000	1.0	.....	51

Analytes reported as N.D. were not present at or above the reporting limit.

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CS-1
Lab Number: GH04467

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: 8/30-9/3, 1997
Analyzed: 8/30-9/3, 1997
Reported: Sep 4, 1997

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	10		N.D.
Arsenic	6010	5.0	500	2.0		17
Barium	6010	100	10000	1.0		120
Beryllium	6010	0.75	75	0.50		N.D.
Cadmium	6010	1.0	100	0.50		1.3
Chromium, VI	7196	5.0	500	0.50		N.D.
Chromium, total	6010	5.0	2500	1.0		28
Cobalt	6010	80	8000	1.0		14
Copper	6010	25	2500	1.0		38
Lead	6010	5.0	1000	2.0		8.2
Mercury	7471	0.20	20	0.020		0.92
Molybdenum	6010	350	3500	1.0		N.D.
Nickel	6010	20	2000	1.0		36
Selenium	6010	1.0	100	2.0		N.D.
Silver	6010	5.0	500	1.0		N.D.
Thallium	6010	7.0	700	10		N.D.
Vanadium	6010	24	2400	1.0		43
Zinc	6010	250	5000	1.0		58

Analytes reported as N.D. were not present at or above the reporting limit.

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Project Manager

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CE-1
Lab Number: GH04468

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: 8/30-9/2, 1997
Analyzed: 8/30-9/2, 1997
Reported: Sep 4, 1997

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	10		N.D.
Arsenic	6010	5.0	500	2.0		5.4
Barium	6010	100	10000	1.0		150
Beryllium	6010	0.75	75	0.50		N.D.
Cadmium	6010	1.0	100	0.50		1.4
Chromium, VI	7196	5.0	500	0.50		N.D.
Chromium, total	6010	5.0	2500	1.0		30
Cobalt	6010	80	8000	1.0		15
Copper	6010	25	2500	1.0		31
Lead	6010	5.0	1000	2.0		6.1
Mercury	7471	0.20	20	0.020		0.048
Molybdenum	6010	350	3500	1.0		N.D.
Nickel	6010	20	2000	1.0		34
Selenium	6010	1.0	100	2.0		N.D.
Silver	6010	5.0	500	1.0		N.D.
Thallium	6010	7.0	700	10		N.D.
Vanadium	6010	24	2400	1.0		54
Zinc	6010	250	5000	1.0		60

Analytes reported as N.D. were not present at or above the reporting limit.

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Jim Hatfield
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antochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CT-1
Lab Number: GH04469

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: 8/30-9/2, 1997
Analyzed: 8/30-9/2, 1997
Reported: Sep 4, 1997

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	10		N.D.
Arsenic	6010	5.0	500	2.0		2.4
Barium	6010	100	10000	1.0		110
Beryllium	6010	0.75	75	0.50		N.D.
Cadmium	6010	1.0	100	0.50		1.1
Chromium, VI	7196	5.0	500	0.50		N.D.
Chromium, total	6010	5.0	2500	1.0		19
Cobalt	6010	80	8000	1.0		11
Copper	6010	25	2500	1.0		26
Lead	6010	5.0	1000	2.0		4.7
Mercury	7471	0.20	20	0.020		0.042
Molybdenum	6010	350	3500	1.0		N.D.
Nickel	6010	20	2000	1.0		24
Selenium	6010	1.0	100	2.0		N.D.
Silver	6010	5.0	500	1.0		N.D.
Thallium	6010	7.0	700	10		N.D.
Vanadium	6010	24	2400	1.0		37
Zinc	6010	250	5000	1.0		46

Analytes reported as N.D. were not present at or above the reporting limit.

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Jim Hatfield
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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CT-2
Lab Number: GH04470

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: 8/30-9/2, 1997
Analyzed: 8/30-9/2, 1997
Reported: Sep 4, 1997

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	10	.....	N.D.
Arsenic	6010	5.0	500	2.0	.....	8.2
Barium	6010	100	10000	1.0	.....	96
Beryllium	6010	0.75	75	0.50	.....	N.D.
Cadmium	6010	1.0	100	0.50	.....	1.1
Chromium, VI	7196	5.0	500	0.50	.....	N.D.
Chromium, total	6010	5.0	2500	1.0	.....	22
Cobalt	6010	80	8000	1.0	.....	11
Copper	6010	25	2500	1.0	.....	30
Lead	6010	5.0	1000	2.0	.....	4.6
Mercury	7471	0.20	20	0.020	.....	0.026
Molybdenum	6010	350	3500	1.0	.....	N.D.
Nickel	6010	20	2000	1.0	.....	28
Selenium	6010	1.0	100	2.0	.....	N.D.
Silver	6010	5.0	500	1.0	.....	N.D.
Thallium	6010	7.0	700	10	.....	N.D.
Vanadium	6010	24	2400	1.0	.....	37
Zinc	6010	250	5000	1.0	.....	53

Analytes reported as N.D. were not present at or above the reporting limit.

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Jim Hatfield
Project Manager

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CT-3
Lab Number: GH04471

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: 8/30-9/2, 1997
Analyzed: 8/30-9/2, 1997
Reported: Sep 4, 1997

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	10	.....	N.D.
Arsenic	6010	5.0	500	2.0	.....	7.7
Barium	6010	100	10000	1.0	.....	92
Beryllium	6010	0.75	75	0.50	.....	N.D.
Cadmium	6010	1.0	100	0.50	.....	0.99
Chromium, VI	7196	5.0	500	0.50	.....	N.D.
Chromium, total	6010	5.0	2500	1.0	.....	15
Cobalt	6010	80	8000	1.0	.....	9.3
Copper	6010	25	2500	1.0	.....	23
Lead	6010	5.0	1000	2.0	.....	3.4
Mercury	7471	0.20	20	0.020	.....	0.021
Molybdenum	6010	350	3500	1.0	.....	1.1
Nickel	6010	20	2000	1.0	.....	21
Selenium	6010	1.0	100	2.0	.....	N.D.
Silver	6010	5.0	500	1.0	.....	N.D.
Thallium	6010	7.0	700	10	.....	N.D.
Vanadium	6010	24	2400	1.0	.....	32
Zinc	6010	250	5000	1.0	.....	43

Analytes reported as N.D. were not present at or above the reporting limit.

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Jim Hatfield
Project Manager

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CT-4
Lab Number: GH04472

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: 8/30-9/2, 1997
Analyzed: 8/30-9/2, 1997
Reported: Sep 4, 1997

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	10		N.D.
Arsenic	6010	5.0	500	2.0		5.0
Barium	6010	100	10000	1.0		990
Beryllium	6010	0.75	75	0.50		N.D.
Cadmium	6010	1.0	100	0.50		1.7
Chromium, VI	7196	5.0	500	0.50		N.D.
Chromium, total	6010	5.0	2500	1.0		27
Cobalt	6010	80	8000	1.0		13
Copper	6010	25	2500	1.0		30
Lead	6010	5.0	1000	2.0		28
Mercury	7471	0.20	20	0.020		0.049
Molybdenum	6010	350	3500	1.0		N.D.
Nickel	6010	20	2000	1.0		34
Selenium	6010	1.0	100	2.0		N.D.
Silver	6010	5.0	500	1.0		N.D.
Thallium	6010	7.0	700	10		N.D.
Vanadium	6010	24	2400	1.0		47
Zinc	6010	250	5000	1.0		75

Analytes reported as N.D. were not present at or above the reporting limit.

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Jim Hatfield
Project Manager

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antochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CT-5
Lab Number: GH04473

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: 8/30-9/2, 1997
Analyzed: 8/30-9/2, 1997
Reported: Sep 4, 1997

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	10		N.D.
Arsenic	6010	5.0	500	2.0		6.7
Barium	6010	100	10000	1.0		210
Beryllium	6010	0.75	75	0.50		N.D.
Cadmium	6010	1.0	100	0.50		1.1
Chromium, VI	7196	5.0	500	0.50		N.D.
Chromium, total	6010	5.0	2500	1.0		23
Cobalt	6010	80	8000	1.0		13
Copper	6010	25	2500	1.0		29
Lead	6010	5.0	1000	2.0		5.3
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	1.0		N.D.
Nickel	6010	20	2000	1.0		31
Selenium	6010	1.0	100	2.0		N.D.
Silver	6010	5.0	500	1.0		N.D.
Thallium	6010	7.0	700	10		N.D.
Vanadium	6010	24	2400	1.0		41
Zinc	6010	250	5000	1.0		56

Analytes reported as N.D. were not present at or above the reporting limit.

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Jim Hatfield
Project Manager

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Client Project ID: 9621-001-1
Sample Descript: Soil, CT-6
Lab Number: GH04474

Sampled: Aug 29, 1997
Received: Aug 30, 1997
Extracted: 8/30-9/2, 1997
Analyzed: 8/30-9/2, 1997
Reported: Sep 4, 1997

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	10		N.D.
Arsenic	6010	5.0	500	2.0		7.8
Barium	6010	100	10000	1.0		87
Beryllium	6010	0.75	75	0.50		N.D.
Cadmium	6010	1.0	100	0.50		0.94
Chromium, VI	7196	5.0	500	0.50		N.D.
Chromium, total	6010	5.0	2500	1.0		20
Cobalt	6010	80	8000	1.0		10
Copper	6010	25	2500	1.0		26
Lead	6010	5.0	1000	2.0		4.1
Mercury	7471	0.20	20	0.020		0.052
Molybdenum	6010	350	3500	1.0		N.D.
Nickel	6010	20	2000	1.0		26
Selenium	6010	1.0	100	2.0		N.D.
Silver	6010	5.0	500	1.0		N.D.
Thallium	6010	7.0	700	10		N.D.
Vanadium	6010	24	2400	1.0		38
Zinc	6010	250	5000	1.0		48

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Method Blank

Extracted: 8/30-9/1, 1997
Analyzed: 8/30-9/1, 1997
Reported: Sep 4, 1997
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

	Sample Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
	Method Blank	**N.D.**	**N.D.**	**N.D.**	**N.D.**	**N.D.**
Dilution 1:1	Reporting Limit:	1.0	0.0050	0.0050	0.0050	0.015

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12. Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Method Blank

Extracted: Aug 31, 1997
Analyzed: Aug 31, 1997
Reported: Sep 4, 1997
Matrix: Soil

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	60	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121)	99%
Toluene-d8 (81-117)	101%
4-Bromofluorobenzene (74-121)	96%

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Method Blank

Extracted: Sep 1, 1997
Analyzed: Sep 1, 1997
Reported: Sep 4, 1997
Matrix: Soil

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	60	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121)	97%
Toluene-d8 (81-117)	99%
4-Bromofluorobenzene (74-121)	103%

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Method Blank

Extracted: Sep 2, 1997
Analyzed: Sep 2, 1997
Reported: Sep 4, 1997
Matrix: Soil

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Sample Description	Sample Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Hydrocarbon Type
Soil				
Method Blank	N.D.	5.0	1	N.A.

Extractable Hydrocarbons are quantitated against a jet fuel standard. Hydrocarbons detected by this method range from C8 to C30. Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Santochi & Bravante
20 Corporate Plaza
Newport Beach, CA 92660
Attention: Trevor Santochi

Method Blank

Extracted: 8/30-9/3, 1997
Analyzed: 8/30-9/3, 1997
Reported: Sep 4, 1997
Matrix: Soil

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	10		N.D.
Arsenic	6010	5.0	500	2.0		N.D.
Barium	6010	100	10000	1.0		N.D.
Beryllium	6010	0.75	75	0.50		N.D.
Cadmium	6010	1.0	100	0.50		N.D.
Chromium, VI	7196	5.0	500	0.50		N.D.
Chromium, total	6010	5.0	2500	1.0		N.D.
Cobalt	6010	80	8000	1.0		N.D.
Copper	6010	25	2500	1.0		N.D.
Lead	6010	5.0	1000	2.0		N.D.
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	1.0		N.D.
Nickel	6010	20	2000	1.0		N.D.
Selenium	6010	1.0	100	2.0		N.D.
Silver	6010	5.0	500	1.0		N.D.
Thallium	6010	7.0	700	10		N.D.
Vanadium	6010	24	2400	1.0		N.D.
Zinc	6010	250	5000	1.0		N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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MS/MSD DATA REPORT

EPA METHOD: **7471**
Matrix: Soil

DATE: 9/2/97

SAMPLE #: GH04473

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.30	8.0	6.7	7.6	80%	91%	13%	86%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: **3060/7196**
Matrix: Soil

DATE: 9/2/97

SAMPLE #: GH04471

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Chromium (VI)	0.06	0.30	0.24	0.24	60%	60%	0.0%	60%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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LABORATORY CONTROL SAMPLE

EPA METHOD 7196

DATE: 9/2/97

Analyte	St	R1	PR
	ppm	ppm	%
Chromium VI	0.10	0.080	80%

Definition of Terms:

St. . . . . Standard Concentration

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

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MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 9/2/97

SAMPLE #: GH04466

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	2.7	50	43	43	81%	81%	0.0%	81%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: 8240
Matrix: Soil

DATE: 8/31/97

SAMPLE #: GH04465

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Benzene	0	50	48	50	96%	100%	4.1%	98%
Chlorobenzene	0	50	46	48	92%	96%	4.3%	94%
1,1-Dichloroethane	0	50	45	47	90%	94%	4.3%	92%
1,2-Dichlororethane	0	50	51	54	102%	108%	5.7%	105%
1,1-Dichloroethene	0	50	47	49	94%	98%	4.2%	96%
Chloroform	4.2	50	48	51	88%	94%	6.1%	91%
Tetrachloroethene	0	50	46	48	92%	96%	4.3%	94%
Toluene	0	50	47	50	94%	100%	6.2%	97%
Trichloroethene	0	50	44	47	88%	94%	6.6%	91%
Vinyl Chloride	0	50	45	50	90%	100%	11%	95%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: 8240
Matrix: Soil

DATE: 9/1/97

SAMPLE #: GH04460

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Benzene	0.10	50	48	52	96%	104%	8.0%	100%
Chlorobenzene	0	50	48	52	96%	104%	8.0%	100%
1,1-Dichloroethane	0.40	50	49	52	97%	103%	5.9%	100%
1,2-Dichlororethane	0	50	53	55	106%	110%	3.7%	108%
1,1-Dichloroethene	0	50	50	52	100%	104%	3.9%	102%
Chloroform	22	50	63	60	82%	76%	4.9%	79%
Tetrachloroethene	0	50	47	50	94%	100%	6.2%	97%
Toluene	0	50	48	52	96%	104%	8.0%	100%
Trichloroethene	0	50	47	48	94%	96%	2.1%	95%
Vinyl Chloride	0	50	53	56	106%	112%	5.5%	109%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Celebrating 10 years of service 1987-1997

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 08/30/97

Sample #: GH04269

Batch #: GH30241S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.20	2.2	1.9	1.8	77	74	3.5	76	≤30	72 - 130
Benzene	0	0.20	0.21	0.22	105	108	2.5	106	≤25	70 - 129
Toluene	0.00019	0.20	0.20	0.20	99	101	1.9	100	≤25	70 - 129
Ethylbenzene	0	0.20	0.19	0.20	97	98	1.1	98	≤25	71 - 130
Xylenes	0	0.60	0.60	0.61	100	101	1.2	100	≤25	72 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

Celebrating 10 years of service 1987-1997

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 09/01/97

Sample #: BLANK

Batch #: GI01241S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0	2.2	2.2	2.2	98	99	0.85	99	≤30	72 - 130
Benzene	0	0.20	0.23	0.23	117	117	0.17	117	≤25	70 - 129
Toluene	0	0.20	0.23	0.23	114	114	0.14	114	≤25	70 - 129
Ethylbenzene	0	0.20	0.22	0.22	109	109	0.58	109	≤25	71 - 130
Xylenes	0	0.60	0.68	0.68	113	114	1.2	113	≤25	72 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

Del Mar Analytical

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (714) 261-1022 FAX (714) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: ICP
Matrix: SOIL

Date: 9/2/97

Sample #: GH04471

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Antimony	10	1000	975	950	97%	94%	2.6%	95%
Arsenic	31	1000	1078	1048	105%	102%	2.8%	103%
Barium	369	1000	1364	1295	100%	93%	5.2%	96%
Beryllium	0	1000	1054	1022	105%	102%	3.1%	104%
Cadmium	0	1000	987	940	99%	94%	4.9%	96%
Chromium	61	1000	1068	1017	101%	96%	4.9%	98%
Cobalt	37	1000	1029	981	99%	94%	4.8%	97%
Copper	92	1000	993	945	90%	85%	5.0%	88%
Lead	14	1000	992	965	98%	95%	2.8%	96%
Manganese	942	1000	1915	1834	97%	89%	4.3%	93%
Molybdenum	0	1000	1001	972	100%	97%	2.9%	99%
Nickel	94	1000	1050	997	96%	90%	5.2%	93%
Selenium	0	1000	992	963	99%	96%	3.0%	98%
Silver	0	500	491	467	98%	93%	5.0%	96%
Thallium	0	1000	958	930	96%	93%	3.0%	94%
Vanadium	130	1000	1126	1071	100%	94%	5.0%	97%
Zinc	172	1000	1127	1077	96%	91%	4.5%	93%

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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18525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 7[illegible] FAX (818) 779-1843
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 5[illegible] FAX (619) 505-9689
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

CHAIN OF CUSTODY FORM

Client Name/Address: BC. Santa Fe Springs LLC, C/O Santochi & Bravante LLC.

Project/PO Number: 9621-001-1

Project Manager: Trevor Santochi

Phone Number: (714) 644-2690

Sampler: Angel Cadoza

Fax Number: (714) 644-2691

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Modified TEH 8015 - D → Moil	Modified TVH 8015/8020	VOC's 8240 / 8260	CAM METALS						Special Instructions
						Analysis Required									
CW-1	S	Brass Tube	1	8/25/97 5:20pm		X	X	X	X						
CN-1	↓	↓	↓	8/29/97 3:03pm		X	X	X	X						
CS-1				8/29/97 3:28pm		X	X	X	X						
CE-1				8/29/97 3:50pm		X	X	X	X						
CT-1				8/29/97 5:24pm		X	X	X	X						
CT-2				8/29/97 6:00pm		X	X	X	X						
CT-3				8/29/97 6:23pm		X	X	X	X						
CT-4				8/29/97 6:50pm		X	X	X	X						
CT-5				8/29/97 7:30pm		X	X	X	X						
CT-6	↓	↓	↓	8/29/97 7:45		X	X	X	X						

Relinquished By: Angel Cadoza Date /Time: 8/30/97 10:25A

Received by: Date /Time:

Relinquished By: Date /Time:

Received by: Date /Time:

Relinquished By: Date /Time:

Received in Lab by: Date /Time: 8/30/97 10:25

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours X 5 days ____
48 hours ____ normal ____

Sample Integrity: (Check)
intact X on ice X

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

APPENDIX C

RINSATE FLUID MANIFEST

APPENDIX C

RINSATE FLUID MANIFEST

State of California—Environmental Protection Agency
Form Approved Calif. No. 2650-0039 (Expires 9-30-96)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See instructions on back of page 6.

Department of Toxic Substances
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1	Information in the shaded areas is not required by Federal law.
	[illegible]	[illegible]	1 of 1	

3. Generator's Name and Mailing Address: [illegible]

4. Generator's Phone (Area): [illegible]-1981

5. Transporter 1 Company Name: [illegible]

6. US EPA ID Number: [illegible]

7. Transporter 2 Company Name: [illegible] Inc

8. US EPA ID Number: [illegible]

9. Designated Facility Name and Site Address: [illegible]

10. US EPA ID Number: [illegible]

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.
a. [illegible]	[illegible]	[illegible]	[illegible]	
b.				
c.				
d.				

15. Special Handling Instructions and Additional Information: [illegible]

16. GENERATOR'S CERTIFICATION: I hereby declare that the content of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Trevor Santerbi [illegible]	[illegible]	08	27	91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	08	27	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Santiago Diaz	[illegible]	08	27	91

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
JOHN REYNOLD	[illegible]	08	27	91

DO NOT WRITE BELOW THIS LINE.

GENERATOR

FACILITY

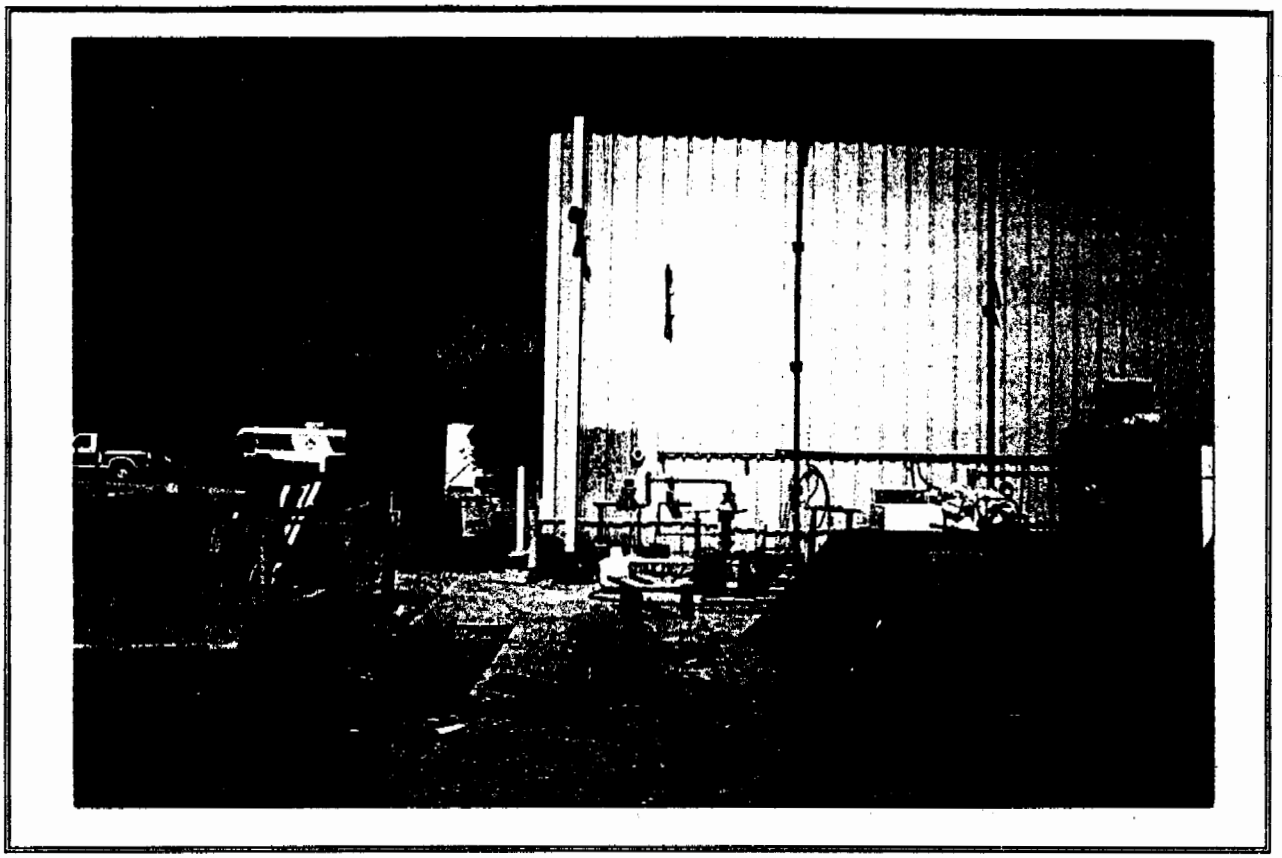
IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA, CALL 1-800-852-7550

95609046

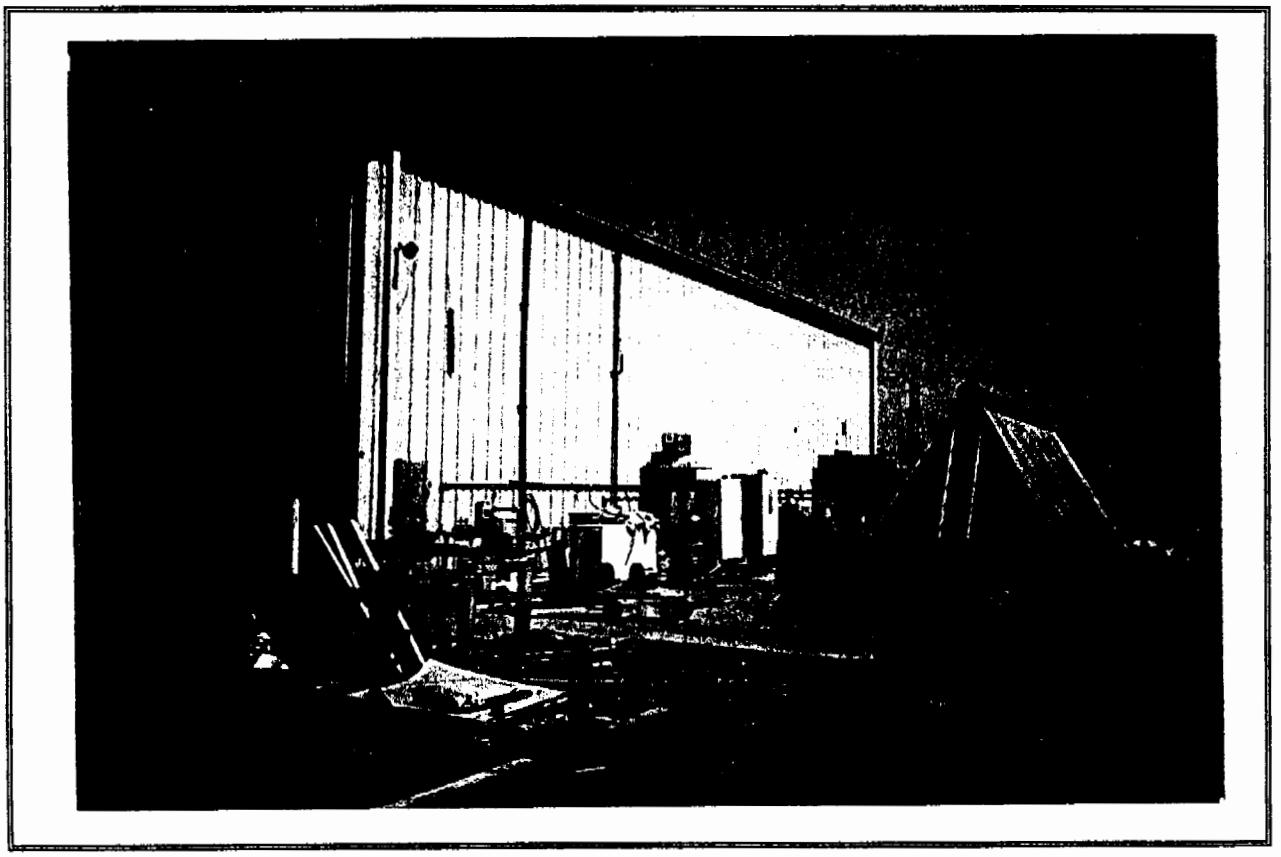
DTSC 8022A (1/93)

APPENDIX D

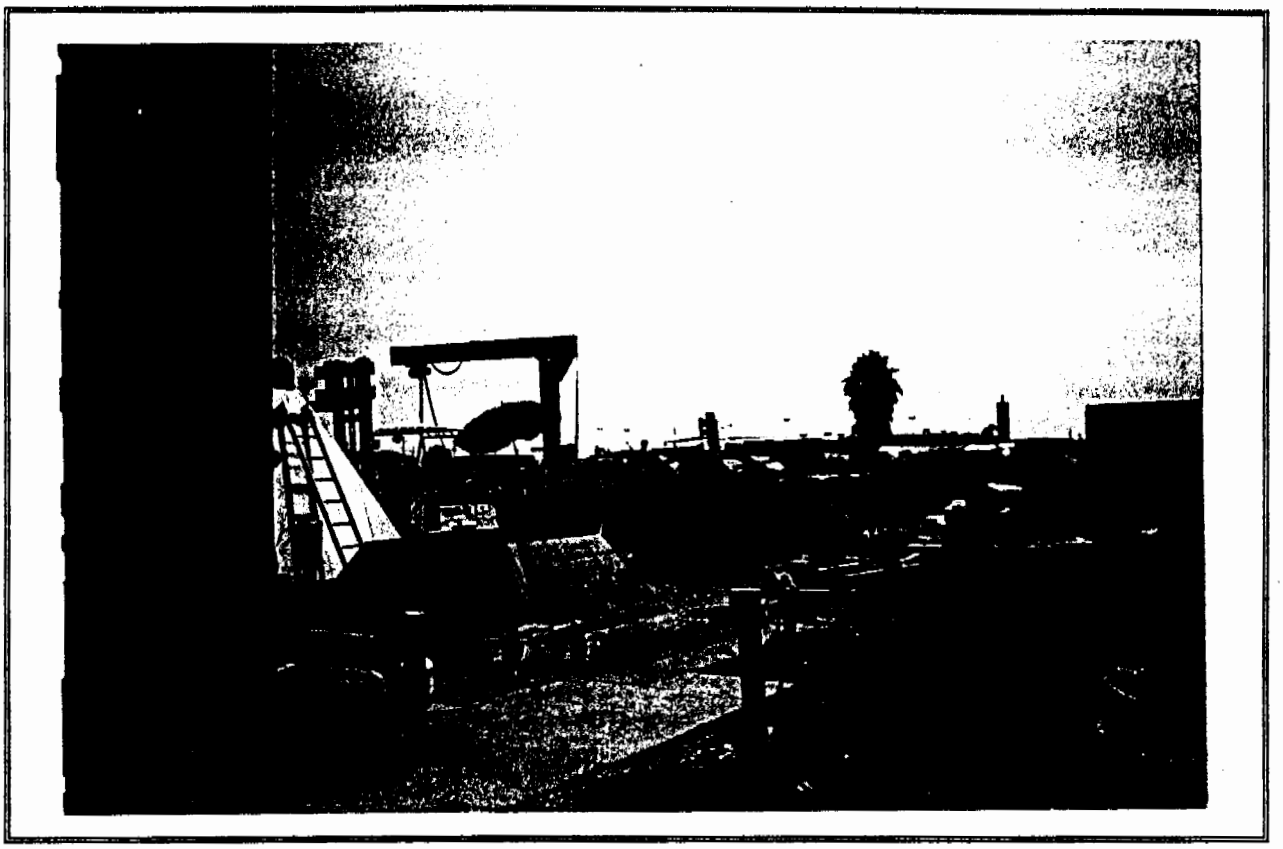
PHOTOGRAPHS OF THE SITE



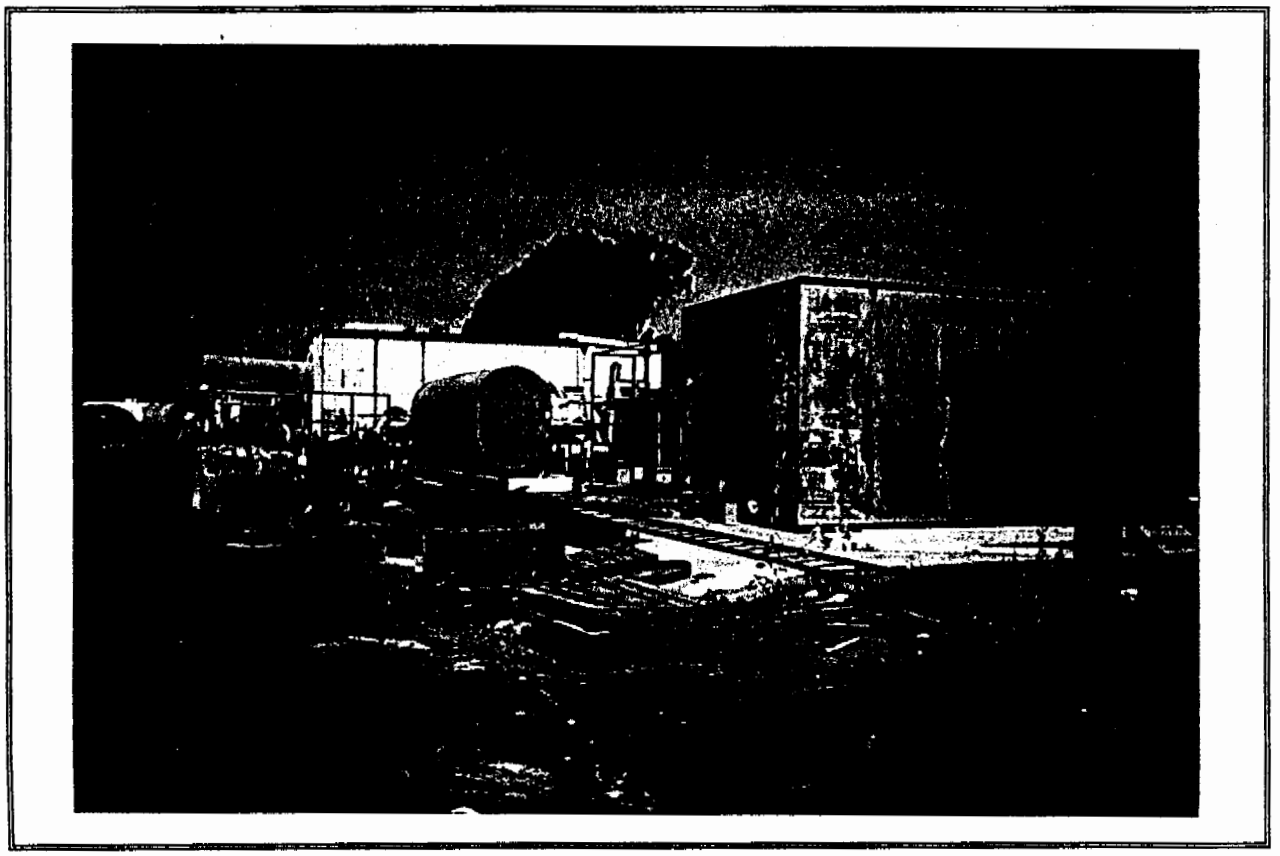
1. VIEW LOOKING WEST AT CLARIFIER PRIOR TO REMOVAL



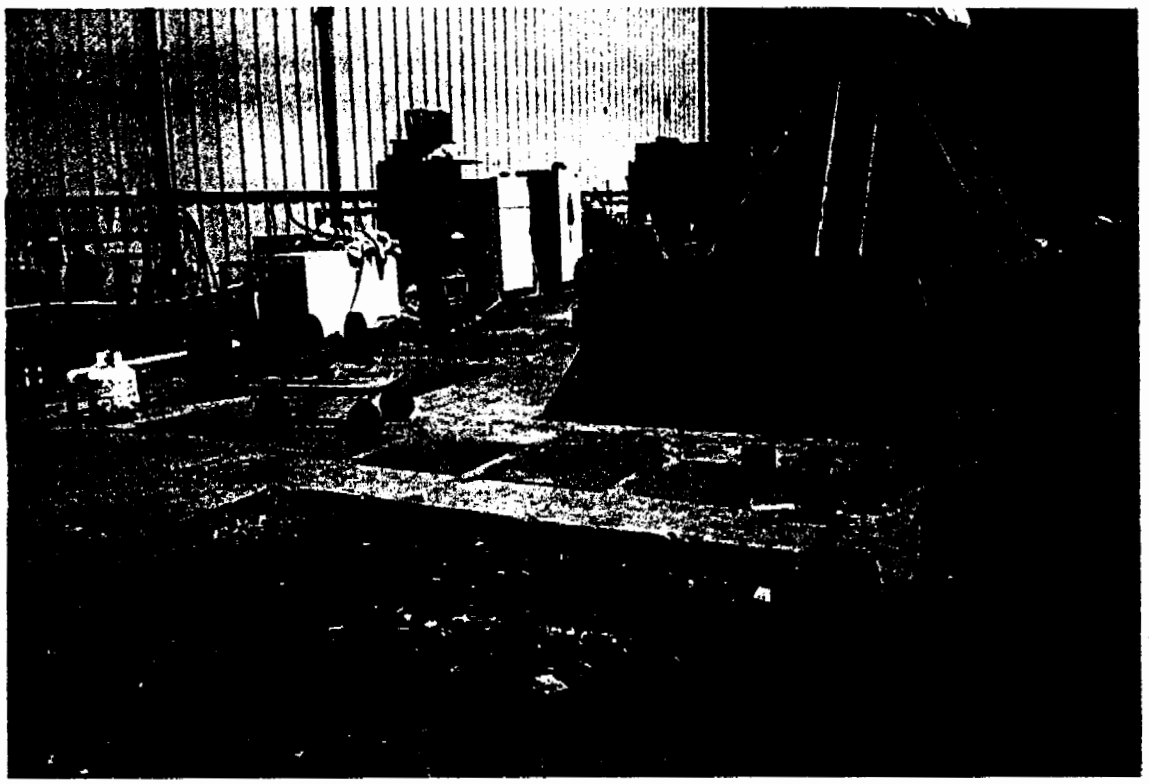
2. VIEW LOOKING NORTH AT CLARIFIER (TANK WAS LOCATED BEYOND CLARIFIER IN CENTER OF PICTURE)



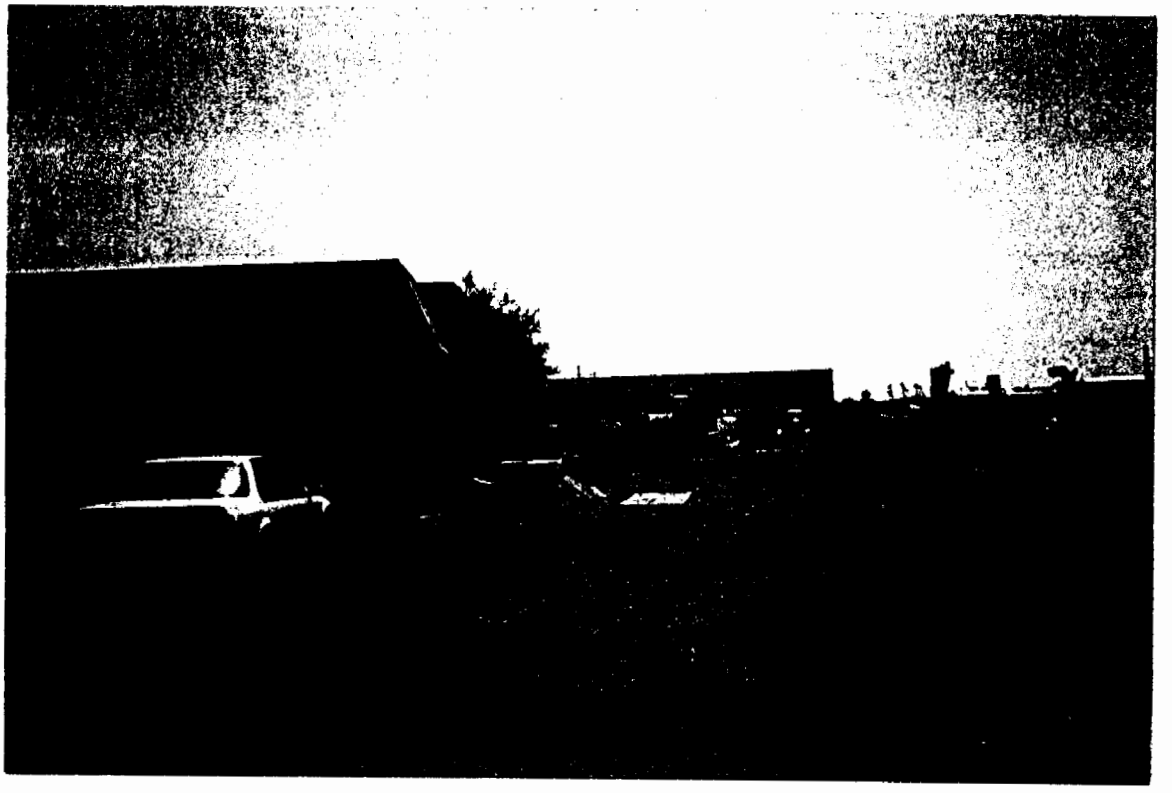
3. VIEW OF CLARIFIER LOOKING NORTHEAST PRIOR TO REMOVAL



4. VIEW LOOKING WEST ALONG PIPE RUN PRIOR TO REMOVAL



5. CLOSE UP OF CLARIFIER PRIOR TO REMOVAL



6. VIEW FROM WEST LOOKING EAST ACROSS SITE (NOTE: PIPING RUN FROM BLOOMFIELD TO CLARIFIER WAS NOT REMOVED)

DISTRIBUTION

Site Investigation
BC Santa Fe Springs LLC
11240 Bloomfield Avenue
Santa Fe Springs, California

December 18, 1997

Copies 1-3:	Michael Joyce, Esq. Allen, Matkins, Leck, Gamble & Mallory LLP 18400 Von Karman Avenue, 4th Floor Irvine, California 92612
Copy 4:	HLA Project File

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