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**LIMITED SUBSURFACE INVESTIGATION REPORT AND WORK PLAN
FOR ADDITIONAL SOIL AND GROUNDWATER ASSESSMENT**

**David D. Bohannon Organization Property
575 Paseo Grande
San Lorenzo, California**

Feb 2003

February 19, 2003

SECOR Project No. 05OT.50063.01

Prepared by:

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Prepared for:

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Chu, Eva, Env. Health

From: Chu, Eva, Env. Health
Sent: Monday, March 31, 2003 1:50 PM
To: 'Neil Doran'
Cc: 'cmaxwell@secor.com'
Subject: RE: 575 Paseo Grande

Hi Neil and Chris,

I had a chance to review the case file for the above referenced site. I have several questions/suggestions for the site:

- Was a well survey completed for the site (any irrigation, domestic or water supply wells within 2000 feet of the site?)
- Was a conduit study done to determine if utility line can act as preferential pathways for the migration of contaminants?
- What are the potential sensitive receptors in the area (any creeks, schools, basements, etc) that can be impacted by the plume?
- The workplan in your February 2003 report proposed three phases of investigations. The first phase is to advance 9 soil borings to 30 feet bgs. The second phase is to advance up to 8 CPT to further define the subsurface lithology. Is Phase I necessary, as Phase II will provide the same information. No borings are proposed at residential backyards. The plume will be better characterized with sampling points located between Paseo Largavista and Via Del Sol.
- You may want to consider soil vapor samples, too.

Let's discuss this case and revise the workplan.

eva

-----Original Message-----

From: Neil Doran [mailto:ndoran@secor.com]
Sent: Friday, March 28, 2003 2:26 PM
To: Eva Chu
Subject: 575 Paseo Grande

Eva,

It was nice chatting with you briefly this morning. Should you care to discuss 575 Paseo Grande next week some time, please contact Chris Maxwell in our office, as I will be on vacation until Monday, April 7. Chris is a senior geologist here who has been involved with the project for quite some time. His extension here is 237, and we can both be reached at the phone number listed below.

Sincerely,

Neil Doran
SECOR International Incorporated
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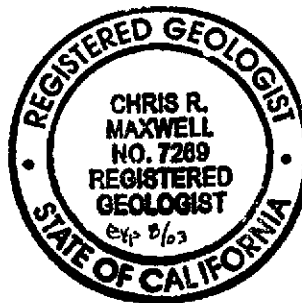
This material and data in this report were prepared under the supervision and direction of the undersigned. This report was prepared consistent with current and generally accepted geologic and environmental consulting principles and practices that are within the limitations provided herein.

Prepared by:

SECOR International Incorporated
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San Mateo, CA 94403



Prepared by:

Neil Doran
Project Geologist

Reviewed by:

Chris Maxwell, RG
Principal Project Geologist

LIMITATIONS

The conclusions and recommendations contained in this report/assessment are based upon professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location and are subject to the following inherent limitations:

1. The data and findings presented in this report are valid as of the dates when the investigations were performed. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration at the Site, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.
2. The data reported and the findings, observations, and conclusions expressed in the report are limited by the Scope of Work. The Scope of Work was defined by the request of the client, the time and budgetary constraints imposed by the client, and availability of access to the Site.
3. Because of the limitations stated above, the findings, observations, and conclusions expressed by SECOR in this report are not, and should not be, considered an opinion concerning the compliance of any past or present owner or operator of the Site with any federal, state or local law or regulation.
4. No warranty or guarantee, whether expressed or implied, is made with respect to the data or the reported findings, observations, and conclusions, which are based solely upon Site conditions in existence at the time of investigation.
5. SECOR reports present professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations or policies of federal, state or local governmental agencies. Any use of the report constitutes acceptance of the limits of SECOR's liability. SECOR's liability extends only to its client and not to any other parties who may obtain the report. Issues raised by the report should be reviewed by appropriate legal counsel.

1.0 INTRODUCTION AND BACKGROUND

SECOR International Incorporated (SECOR), on behalf of the David D. Bohannon Organization (Bohannon), has prepared this *Limited Subsurface Investigation Report and Work Plan for Additional Soil and Groundwater Assessment* for the Bohannon property located at 575 Paseo Grande in San Lorenzo, California (the Site). The scope of work for the recently-completed investigation was based on the *Remedial Action Work Plan* dated October 25, 2002, and submitted to the Alameda County Health Care Services Agency (ACHCSA). The Work Plan was approved by the ACHCSA in a letter dated October 28, 2002.

The Site is located in a mixed-use commercial and residential area (zoned commercial, C1) at the corner of Paseo Grande and Paseo Larga Vista in San Lorenzo, California (Figure 1). Prior to 1969, the Site had been used as an automobile service station. In anticipation of property redevelopment, initial investigation activities were conducted in March 1995 to determine if out-of-service underground gasoline service station equipment remained onsite. In summary, the investigation identified what appeared to be the former tank pit, approximately 110 feet of fuel delivery system piping, and a grease sump and/or hydraulic lift pit in an area which may have been the former service garage.

Subsequent work included soil excavation and groundwater monitoring well installation and sampling, which indicated groundwater beneath the Site is impacted by petroleum hydrocarbons. During telephone conversations with SECOR in June 2002, the ACHCSA requested remedial measures to reduce petroleum hydrocarbon concentrations in the groundwater.

The scope of work outlined in SECOR's October 2002 *Work Plan* was intended to provide additional information needed to implement a remediation strategy. The scope of work was divided into three phases: 1) a limited field investigation including collection of soil and groundwater samples, 2) a pilot study to evaluate nitrate injection as a possible remedial strategy for the Site, and 3) possible implementation of nitrate injection as a remedial strategy.

This report describes the methods, results, and conclusions of the limited subsurface investigation conducted in January 2003. Based on the results of the investigation, this report includes a work plan for further soil and groundwater assessment. Implementation of the nitrate injection pilot testing is pending the results of the proposed additional assessment.

2.0 FIELD INVESTIGATION

Previous excavation activities at the Site removed petroleum hydrocarbon-affected soils in the vicinity of the former underground storage tanks (UST) and piping to maximum depths ranging from 7 to 9 feet below ground surface (bgs). Excavation and subsequent confirmation sampling was limited in some areas by shallow groundwater present in the excavation.

The objective of the limited subsurface investigation described herein was to provide data on the extent and magnitude of residual petroleum hydrocarbons that may remain in the soil, especially below the groundwater table. SECOR's *Work Plan* identified four onsite soil boring locations. Based on conditions observed in the field, SECOR personnel provided direct oversight for the advancement of six soil borings to a maximum depth of 26 feet bgs. Soil samples were collected from all soil borings and grab groundwater samples were collected from three of the soil borings. Soil boring locations are illustrated on Figure 2.

2.1 PRELIMINARY FIELD ACTIVITIES

Prior to the initiation of field activities, SECOR outlined the investigation area in white paint and contacted Underground Service Alert (USA) to identify subsurface utilities in the work area. Additionally, SECOR contracted a private utility locator (Cruz Brothers Utility Locators) to clear each soil boring location of potential subsurface obstructions. SECOR also prepared a Site-specific health and safety plan describing potential chemical and physical hazards. A drilling permit was obtained from the Alameda County Public Works Agency, Water Resources Division.

2.2 FIELD ACTIVITIES

Fieldwork was performed on January 2, 2003, and consisted of advancing six soil borings and collecting soil samples from each boring. Additionally, grab groundwater samples were collected from three of the six soil borings. Following sample collection, the soil borings were backfilled with neat cement grout.

2.2.1 Soil Sample Collection and Analysis

Soil borings SB-1 through SB-6 were advanced using a direct-push drill rig (Geoprobe™) equipped with either a 2¼-inch diameter continuous coring device with 4-foot acetate liners, or a 1.5-inch double-wall coring device equipped with 2-foot acetate liners. Soil borings were advanced to total depths ranging from 20 to 26 feet bgs. Relatively undisturbed soil cores were collected for lithologic description, vapor screening, and sample collection in each of the soil borings. Soil cuttings generated during field activities were placed into one 55-gallon drum and stored onsite pending analysis and disposal.

Subsurface materials were logged by a SECOR geologist and described on soil boring logs. Representative soil samples were screened in the field for the presence of volatile organic compounds (VOCs) using a Thermo Environmental Instruments 580B photo-ionization detector (PID). Field vapor screening results are documented on the soil boring logs attached as Appendix A.

Between three and five soil samples were collected from each soil boring and retained for laboratory chemical analysis. In general, those soil samples corresponding to the highest organic vapor concentrations were selected. Soil samples retained for analysis were covered with Teflon sheeting, fitted with plastic end caps, labeled, and stored in an ice-filled cooler pending transport to STL San Francisco in Pleasanton, California under chain-of-custody documentation. Soil samples were analyzed for total petroleum hydrocarbons as diesel (TPHd) by modified U.S. Environmental Protection Agency (USEPA) Method 8015M, and for total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene and total xylenes (BTEX) by EPA Methods 8015M and 8021B.

2.2.2 Grab Groundwater Sample Collection and Analysis

Grab groundwater samples were collected from soil borings SB-1, SB-2, and SB-6. Grab groundwater samples were obtained by reaching the total depth of the boring, removing the sampling probe and associated rods, and lowering a stainless-steel bailer into the open hole. Groundwater samples were transferred directly from the bailer into laboratory-supplied sample containers. Care was taken when transferring the water from the bailer to the containers to avoid turbulence and minimize headspace. Sample containers were labeled and immediately placed in an ice-filled cooler pending transport to STL San Francisco in Pleasanton, California under chain-of-custody documentation. Grab groundwater samples were analyzed for TPHg and BTEX by EPA Methods 8015M and 8021B.

Following sample collection at each location, the soil probe was removed, and the soil boring was backfilled to the surface with neat cement grout.

2.2.3 Decontamination Procedures

Soil and groundwater sampling equipment, including samplers, probe rods and bailers, was decontaminated between soil borings using a high-pressure washing system. Rinsate was collected in a steel 55-gallon drum and stored onsite pending analysis and disposal.

3.0 INVESTIGATION RESULTS

3.1 SUBSURFACE CONDITIONS

Subsurface materials at the Site generally consist of fine-grained soils (silt and clay) with minor amounts of sand. Based on the classification of materials encountered in the soil borings, SECOR has divided the geology beneath the Site into three zones, designated herein as 'A', 'B' and 'C' from shallowest to deepest. The subsurface geology is illustrated on geologic cross section A – A' and geologic cross-section B – B', included as Figures 3 and 4, respectively.

In five of the six soil boring locations, SECOR encountered a silty clay layer between approximately 6 and 12 feet bgs which appears to be continuous across most of the Site. Based on historic monitoring data from the three onsite monitoring wells, it appears that this clay (where present) acts as a semi-confining layer for the underlying groundwater. The three zones encountered are described below:

- The 'A' zone extends from the ground surface to a depth of approximately 16 feet bgs. This zone includes fill materials associated with the former excavations. Native materials in the 'A' zone consist of clayey sand, sandy silt and clay, and includes the dominant silty clay layer found beneath much of the Site between 6 and 12 feet bgs. Localized sand zones were encountered between 6 and 8 feet bgs in soil boring SB-1, and between 6 and 15 feet bgs in soil boring SB-2. Sand was reported at depths of approximately 5.5 feet to 10.5 feet in the boring log for well MW-3, installed in May 1996. Perched water seasonally occurs in the 'A' zone within coarse-grained fill materials at depths ranging from 5 to 8 feet bgs (soil borings SB-1, SB-2, and SB-3). The primary water-bearing zones were encountered in sandy silt lenses at depths of 13 to 14 feet bgs (soil borings SB-3, SB-4 and SB-5). The three onsite and four offsite groundwater monitoring wells are screened in the 'A' zone, and typically collect perched groundwater on top of the 6-to-12-foot clay and semi-confined groundwater within the sandy silt below the clay. The exception is MW-3, where the clay appears to be absent and the well is screened across sand. The potentiometric surface of the 'A' zone groundwater, as measured in the wells, is consistently at a depth of approximately 5 to 7 feet bgs.

- The 'B' zone extends from approximately 16 to 21 feet bgs, and consists of silty clay and sandy silt with clay. Water-bearing silty sand was encountered from approximately 15 to 18.5 feet in SB-1, and may be vertically continuous with the 'A' zone silty sand in this area. The unit exists as a thinner lens (< 2 feet thick) away from SB-1 and SB-2, and was encountered at depths ranging from 15.5 to 18 feet bgs in SB-3, SB-4 and SB-6.

- The 'C' zone exists at depths of 21 feet and deeper, and was encountered in soil borings SB-5 and SB-6 advanced to 24 and 26 feet bgs, respectively. The 'C' zone is characterized by water-bearing silty sand with clay, and its lower boundary was not defined.

PID readings and the occurrence of physical evidence of petroleum hydrocarbon impact (such as odor and product sheen) are noted in the soil boring logs, attached as Appendix A.

3.2 SOIL SAMPLE ANALYTICAL RESULTS

A total of 24 soil samples were collected and analyzed for TPHd, TPHg, and BTEX. Soil sample analytical results are presented in Table 1 and represented graphically on Figure 5, and summarized below:

- TPHd was reported at concentrations ranging from 1.1 milligrams per kilogram (mg/kg) to 1,700 mg/kg (SB-1 at 8 feet);
- TPHg was reported at concentrations ranging from below the laboratory detection limit of 1.0 mg/kg to 1,400 mg/kg (SB-1 at 8 feet);
- Benzene was reported at concentrations of up to 5.1 mg/kg (SB-1 at 19.5 feet), toluene at concentrations of up to 3.3 mg/kg (SB-3 at 10 feet), ethylbenzene at concentrations of up to 24 mg/kg (SB-1 at 8 feet), and total xylenes at concentrations of up to 25 mg/kg (SB-3 at 8 feet);
- The highest concentrations of TPHg and TPHd were reported in samples collected from the silty clay layer at approximately 8 to 13.5 feet bgs in soil borings SB-1 and SB-2, advanced within or adjacent to the former UST and pump island excavations; and
- A soil sample collected from sandy silt at 19.5 feet bgs in soil boring SB-1 reported a TPHg concentration of 400 mg/kg.

Complete laboratory reports and chain of custody records are attached as Appendix B.

3.3 GRAB GROUNDWATER SAMPLE ANALYTICAL RESULTS

Grab groundwater samples were collected from soil borings SB-1, SB-2, and SB-6 and analyzed for TPHg and BTEX. Grab groundwater sample analytical results are presented in Table 2 and summarized below:

- The grab groundwater sample from soil boring SB-1 reported TPHg at a concentration of 49,000 micrograms per liter (µg/L), benzene at 4,700 µg/L, toluene at 740 µg/L, ethylbenzene at 1,500 µg/L, and total xylenes at 3,000 µg/L;
- The grab groundwater sample from soil boring SB-2 reported 26,000 µg/L TPHg, 3,300 µg/L benzene, 150 µg/L toluene, 560 µg/L ethylbenzene, and 290 µg/L total xylenes; and
- The grab groundwater sample from soil boring SB-6 reported 26,000 µg/L TPHg, 410 µg/L benzene, 160 µg/L toluene, 720 µg/L ethylbenzene, and 660 µg/L total xylenes.

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Due to the 'open hole' method of grab groundwater sample collection, the analytical results could be representative of one or more water-bearing zones encountered in each soil boring. In soil boring SB-1, perched water was observed in backfill materials at 8 feet bgs, and groundwater was encountered in silty sand at 15 feet bgs. In soil boring SB-2, perched water was encountered in backfill materials at approximately 5 feet bgs, and wet conditions were present in sand from 10 to 15 feet bgs. In soil boring SB-3, perched water was present in backfill materials at approximately 5 feet bgs, groundwater was encountered in clayey silt with sand at 14 feet bgs, and wet conditions were observed in silty sand at 18.5 feet bgs. Complete laboratory reports and chain-of-custody records are attached as Appendix B.

4.0 SUMMARY OF JANUARY 2003 INVESTIGATION

The following is a summary of the investigation results:

- Subsurface materials consist primarily of fine-grained soils punctuated by zones of silty sand, and can be divided into 'A', 'B', and 'C' zones based on depth and the occurrence of water-bearing sandy zones;
- Perched groundwater was encountered within fill materials at approximately 5 to 8 feet bgs, and water-bearing zones were encountered in silt and sand at depths of 13 to 15 feet bgs, in sand from 16 to 19 feet bgs, and in silty sand at 22.5 feet bgs; and
- Soil sample analytical results suggest that the majority of chemical impact exists in silty clay from approximately 8 to 13.5 feet bgs within and adjacent to the former UST and pump island excavation. Deeper soils may be affected in the vicinity of soil boring SB-1.

Based on the findings of this limited subsurface investigation, SECOR recommends an additional phase of work to further characterize subsurface conditions in the vicinity of the Site. The objectives and methods of this additional scope of work are detailed in Section 5.0.

5.0 WORK PLAN FOR ADDITIONAL SOIL AND GROUNDWATER ASSESSMENT

This section provides objectives, methods, and a schedule for proposed additional soil and groundwater assessment.

5.1 OBJECTIVE AND PROPOSED SCOPE OF WORK

SECOR's January 2003 limited subsurface investigation identified three water-bearing zones beneath the subject Site: perched groundwater on top of silty clay and within discontinuous sand in the 'A' zone between 5 and 16 feet bgs; the 'B' zone sand, between 16 and 19 feet bgs; and the 'C' zone sand, encountered at a depth of 22.5 feet bgs. Previous work at the Site has identified petroleum hydrocarbon contamination in groundwater from the 'A' zone. Based on SECOR's subsequent work, it appears that the groundwater from the 'B' and 'C' zones may also be impacted.

This additional scope of work is intended to better define the lateral extent of water-bearing sediments in the 'A', 'B', and 'C' zones, and to determine if groundwater in these sediments has been impacted by petroleum hydrocarbons originating from the Site. The additional characterization will proceed in three separate phases. First, SECOR proposes advancing up to seven direct-push soil borings at various locations downgradient from the subject Site, and two soil borings within and upgradient from the Site for a total of up to nine soil borings. The soil borings will be advanced to depths of approximately 30 feet bgs and logged continuously from the surface to the total depth of the boring. Following review of the soil boring data, SECOR will advance up to eight direct-push cone penetrometer testing (CPT) soil borings at select locations to further characterize the lithology between soil boring locations. Following completion of the CPT borings, SECOR proposes advancing direct-push soil borings at up to 9 locations for collection of grab groundwater samples using the Hydropunch™ method. Proposed soil boring, CPT and Hydropunch™ locations are illustrated on Figure 6.

5.2 PROCEDURES AND METHODS

The following section outlines SECOR's procedures and methods for the proposed scope of work.

5.2.1 Preliminary Activities

SECOR will update the existing Site-specific health and safety plan (HASP) to address the new scope of work. A copy of the HASP will be kept onsite at all times when work is in progress. The locations of all proposed soil boring locations will be marked with white paint and Underground Service Alert (USA) will be notified at least 72 hours prior to beginning field work. Additionally, SECOR will contract with a subsurface utility locator to clear the individual soil boring locations of obstructions. SECOR will obtain all applicable permits, including soil boring and encroachment permits from the Alameda County Public Works Agency.

5.2.2 Phase I - Advancement of Direct-Push Soil Borings

Up to nine soil borings will be advanced using a dual-wall direct-push soil coring system under the supervision of a SECOR geologist. The soil borings will be advanced within the parking lanes of Paseo Grande, Paseo Larga Vista and Via Del Sol. The soil borings will be advanced to a total depth of approximately 30 feet bgs.

The dual-wall sampling system consists of a 3¼-inch-diameter outer casing and a 2-inch-diameter inner sampler. The sampler is loaded with 4-foot-long acetate liners, and the outer casing and inner sampler are driven simultaneously using a truck-mounted, direct-push drill rig. As these tools are advanced, the inner sampling barrel collects the soil core. This sampler is then retrieved while the outer casing remains in place. A new sampler is lowered into place, and the inner sampler and outer casing are advanced further to collect the next soil core. This process continues until a desired depth has been reached. The liners containing the soil samples are removed from the sampler and retained for lithologic description and possible chemical analysis. Soil samples will be collected continuously from the surface to the total depth of investigation. The dual-wall system keeps the hole from caving in when loose sands are encountered, and prevents cross-contamination between water-bearing zones.

A SECOR geologist will describe the soils encountered according to the Unified Soil Classification System (USCS) and will maintain a soil boring log of these descriptions. Any odor or staining will be noted, and soils will be screened for organic vapors using a PID. Based on these parameters, up to four soil samples from each soil boring may be retained and submitted for chemical analysis. If no samples exhibit field evidence of petroleum hydrocarbon impact, no soil samples will be retained for analysis.

Any sample retained for analysis will be labeled to indicate job number, boring number, sample depth, sample number, and time and date collected, then stored in a cooler containing ice. Soil samples will be delivered to STL San Francisco of Pleasanton, California under chain-of-custody documentation. Soil samples will be analyzed for TPHg, TPHd, and BTEX by EPA Methods 8020 and 8015M. Upon completion, each soil boring will be backfilled to the surface with neat cement grout.

5.2.3 Phase II - Advancement of CPT Soil Borings

Following review of the soil boring data and lithologic logs, SECOR will advance up to nine CPT soil borings. Proposed CPT locations are illustrated on Figure 6. The objective of the CPT work is to further define the subsurface lithology downgradient from the subject Site. Lithologic data obtained from the CPT logs will be used to interpolate the lithology between direct-push soil boring locations.

Borings will be advanced to a total depth of approximately 30 feet bgs. A 2-inch-diameter instrumented probe will be advanced using a truck-mounted, direct-push CPT rig to the desired depths at each location. The instrumented probe will be used to identify the lithology of the soils encountered and target the water-bearing zones for subsequent groundwater sampling.

Upon completion, each soil boring will be backfilled to the surface with neat cement grout.

5.2.4 Phase III - Advancement of Hydropunch™ Soil Borings

Following completion of the CPT investigation, SECOR proposes advancing Hydropunch™ soil borings at up to approximately nine locations for the collection of grab groundwater samples. Hydropunch™ locations will be based on lithologic data obtained during the soil boring and CPT investigations, and will target coarse-grained, water-bearing zones estimated to be most transmissive of groundwater. Up to three grab groundwater samples will be collected from each location, at depths corresponding to the 'A', 'B' and 'C' zones. Potential Hydropunch™ locations are illustrated on Figure 6. Hydropunch™ soil borings will be advanced using a truck mounted, direct-push sampling system under the supervision of a SECOR geologist. Upon penetration of each water-bearing zone, the sampling rods will be retracted to expose a stainless-steel screen to the formation. Grab groundwater samples will be collected using either a stainless-steel bailer, a disposable bailer, or a peristaltic pump fitted with disposable tubing. Following sample collection, the sampling rods and screen will be removed and decontaminated using a pressure-washing system. To prevent the possibility of vertical cross-contamination between the different water-bearing zones encountered within each boring, a separate boring for each targeted groundwater sampling interval will be advanced (i.e., three borings within close proximity to each other representing one dominant location). These borings will be in close proximity to each other (approximately 5 inches apart) in order to avoid lithologic variation, and will thus be referred to as a dominant location. Grab groundwater samples will be transferred to laboratory-supplied glassware, labeled, and transported to STL San Francisco under chain-of-custody documentation. Grab groundwater samples will be analyzed for TPHg, TPHd, BTEX, and methyl tertiary butyl ether (MtBE) by EPA Methods 8020 and 8015M, with MTBE confirmation by EPA Method 8260.

Upon completion, each soil boring will be backfilled to the surface with neat cement grout.

5.2.5 Waste Management

All soils and rinsate generated during this investigation will be stored onsite in sealed 55-gallon drums and labeled with the generation date and nature of contents. Soils and rinsate will be disposed of appropriately, based on analytical results. Disposal of all wastes will be conducted in accordance with federal, state and local regulations.

5.3 SCHEDULE AND REPORTING

SECOR is prepared to complete the proposed scope of work within four weeks of approval of this Work Plan. Following receipt of analytical results, SECOR will prepare a report summarizing field activities, analytical results, subsurface conditions, and our findings and conclusions. The report will include tabulated soil and groundwater data, soil boring logs, scaled site plans showing soil boring locations and chemical results, complete laboratory reports, and cross-sections as necessary.

Table 1
Soil Sample Analytical Results
January 2003 Soil Borings
Bohannon Property
575 Paseo Grande
San Lorenzo, California

Sample ID	TPH (mg/kg)		Volatiles (mg/kg)			
	Diesel	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes
SB1-8	1,700	1,400	ND<6.2	ND<6.2	24	ND<6.2
SB1-11	40	280	ND<1.2	ND<1.2	2.8	11
SB1-13.5	79	390	ND<1.2	ND<1.2	3.0	7.9
SB1-19.5	16	400	5.1	ND<3.1	ND<3.1	ND<3.1
SB2-5.5	160	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB2-8	34	2.3	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB2-15	10	60	ND<0.62	ND<0.62	ND<0.62	ND<0.62
SB3-8	23	390	2.6	ND<1.2	6.9	25
SB3-10	19	490	3.4	3.3	6.0	23
SB3-17	1.2	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB3-19.5	1.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB4-9	16	190	ND<0.62	ND<0.62	ND<0.62	ND<0.62
SB4-11	8.7	190	ND<1.2	ND<1.2	ND<1.2	1.3
SB4-13	4.8	58	ND<0.62	ND<0.62	ND<0.62	ND<0.62
SB4-16.5	3.8	1.1	ND<0.005	ND<0.005	0.014	0.018
SB5-10	58	450	ND<3.1	ND<3.1	ND<3.1	3.2
SB5-13.5	36	500	ND<3.1	ND<3.1	4.5	6.8
SB5-17	2.7	3.6	0.031	0.027	0.048	0.13
SB5-20.5	1.9	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB6-10	36	150	ND<0.62	ND<0.62	ND<0.62	ND<0.62
SB6-12	54	910	ND<6.2	ND<6.2	ND<6.2	ND<6.2
SB6-15.5	2.2	42	ND<0.62	ND<0.62	ND<0.62	ND<0.62
SB6-20	4.4	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB6-24	1.1	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005

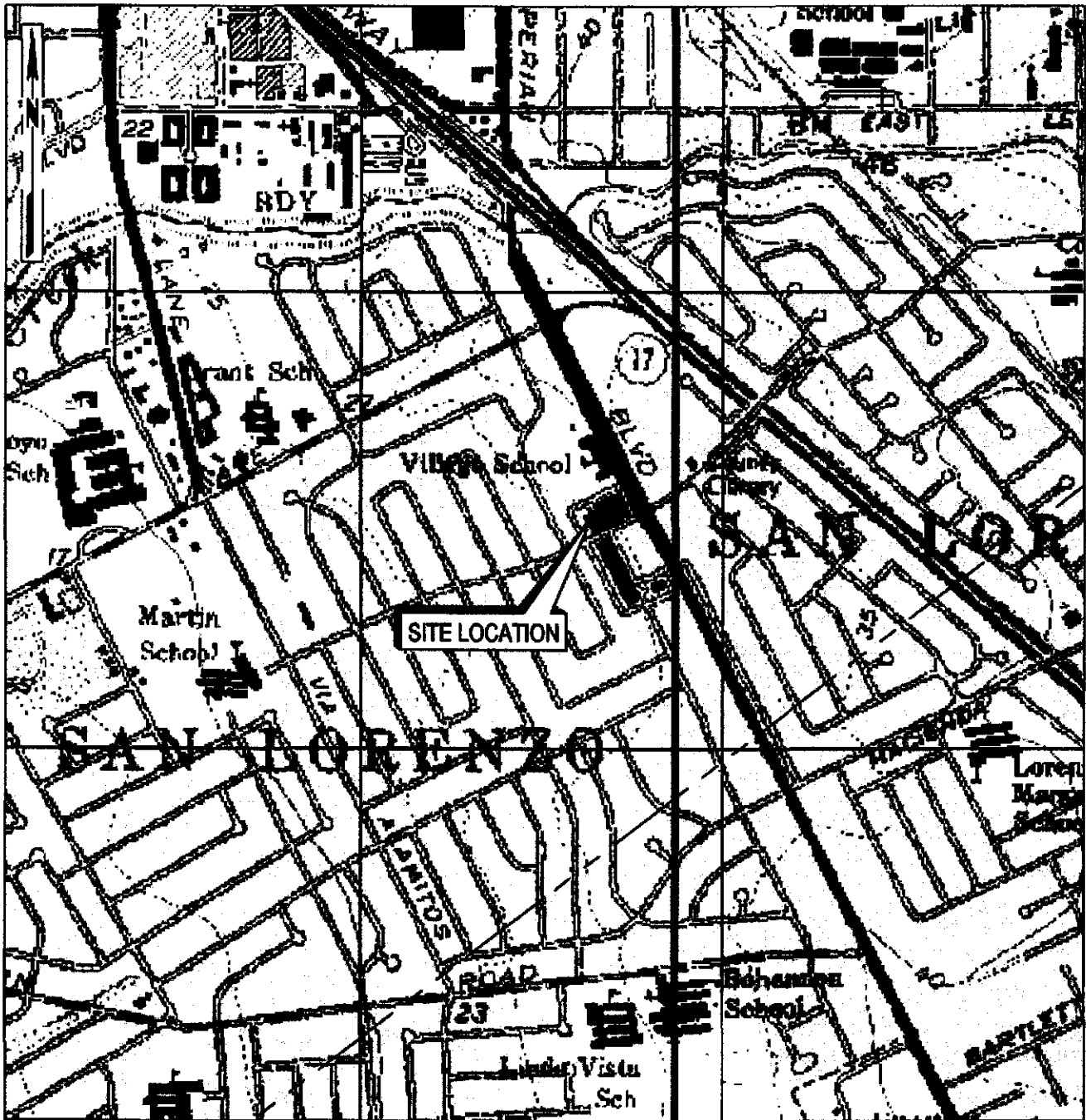
TPH = Total Petroleum Hydrocarbons
mg/kg = milligrams per kilogram
ND = Not detected above specified reporting limit

Table 2
Grab Groundwater Sample Analytical Results
January 2003 Soil Borings
Bohannon Property
575 Paseo Grande
San Lorenzo, California

Sample ID	TPH as Gasoline	Volatiles (ug/l)			
		Benzene	Toluene	Ethylbenzene	Xylenes
SB-1	49,000	4,700	740	1,500	3,000
SB-2	26,000	3,300	150	560	290
SB-6	26,000	410	160	720	660

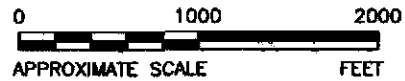
TPH = Total petroleum Hydrocarbons
 ug/l = micrograms per liter

20030207.12524764 E:\BOH\2003 work plan\BOH-SITE LOCATION MAP-FIGURE 1-JAN_2003.dwg



REFERENCE:

DeLORME 3-D TOPOQUADS

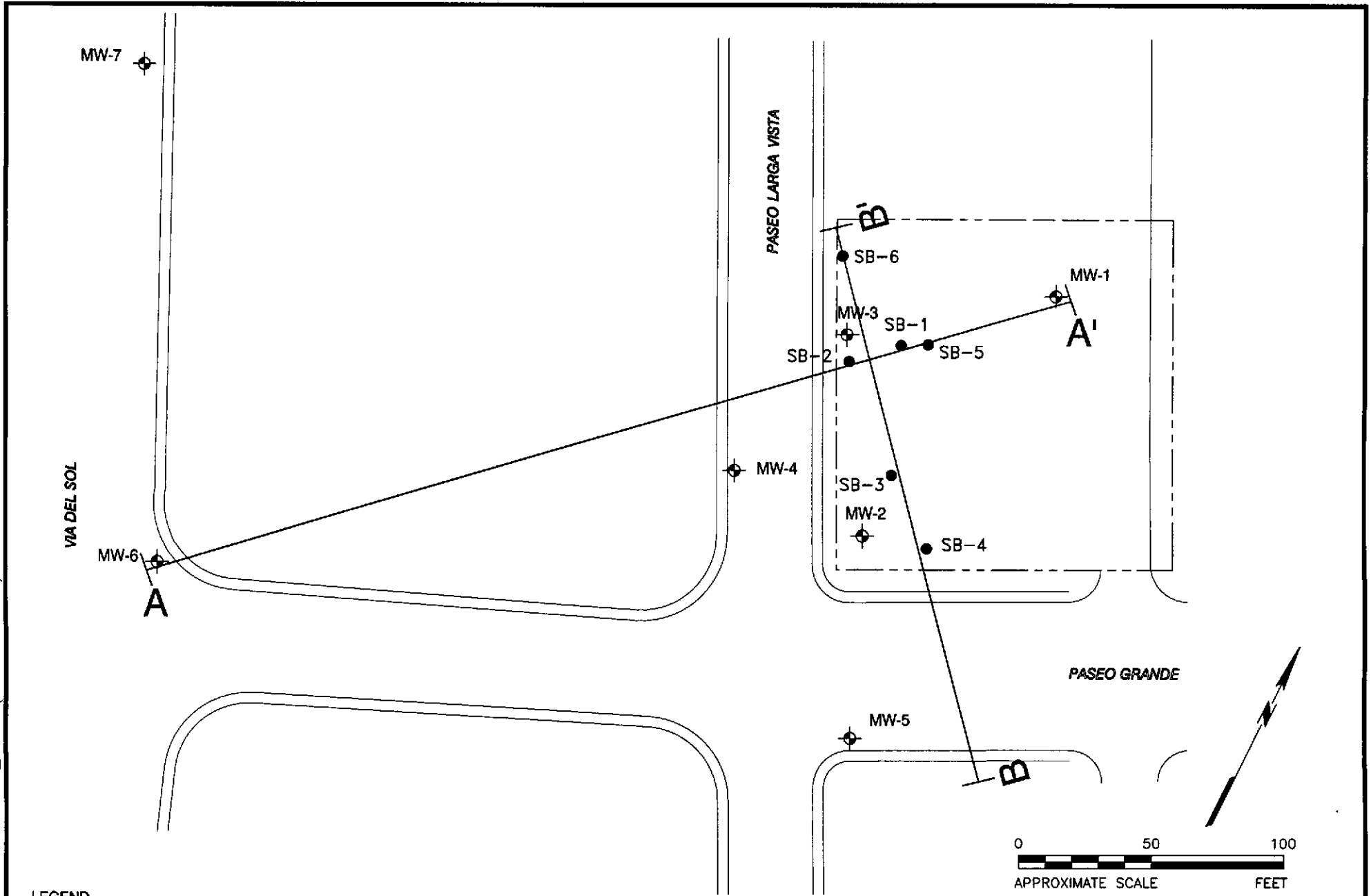


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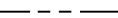
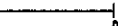
DRAWN	RRR
APPR	ND
DATE	11 MAY 2002
JOB NO.	05OT.50063.01.0003

FIGURE 1
DAVID D. BOHANNON ORGANIZATION
576 PASEO GRANDE
SAN LORENZO, CALIFORNIA

SITE LOCATION MAP



LEGEND

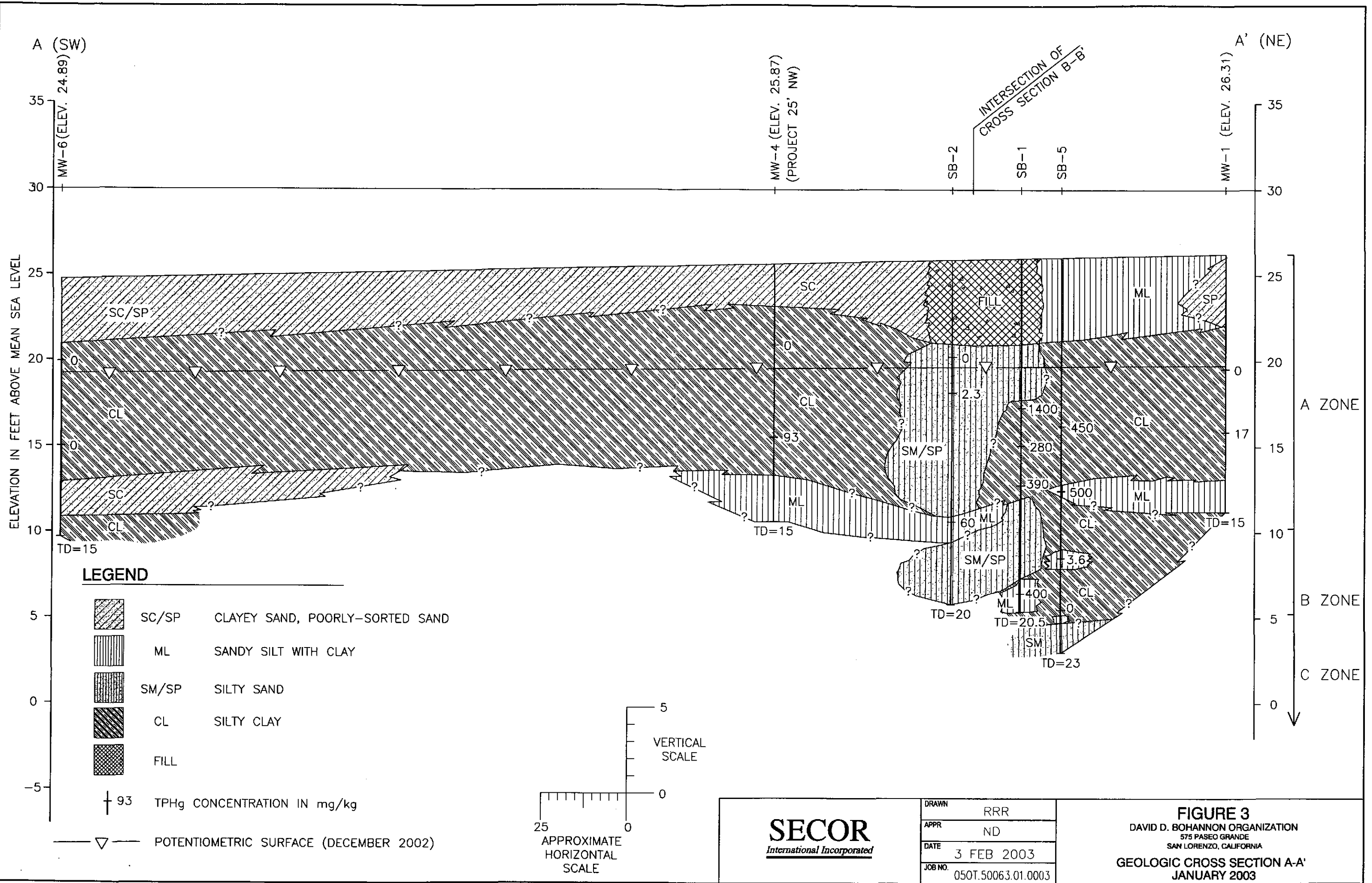
-  MW-6 EXISTING WELL LOCATION
-  SB-1 SOIL BORING LOCATION
-  APPROXIMATE PROPERTY LINE
-  GEOLOGIC CROSS SECTION LINE

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DRAWN	RRR
APPR	ND
DATE	3 FEB 2003
JOB NO.	050T.50063.01.0003

FIGURE 2
 DAVID D. BOHANNON ORGANIZATION
 575 PASEO GRANDE
 SAN LORENZO, CALIFORNIA
**SOIL BORING AND GEOLOGIC CROSS SECTION
 LOCATIONS - JANUARY 2003**

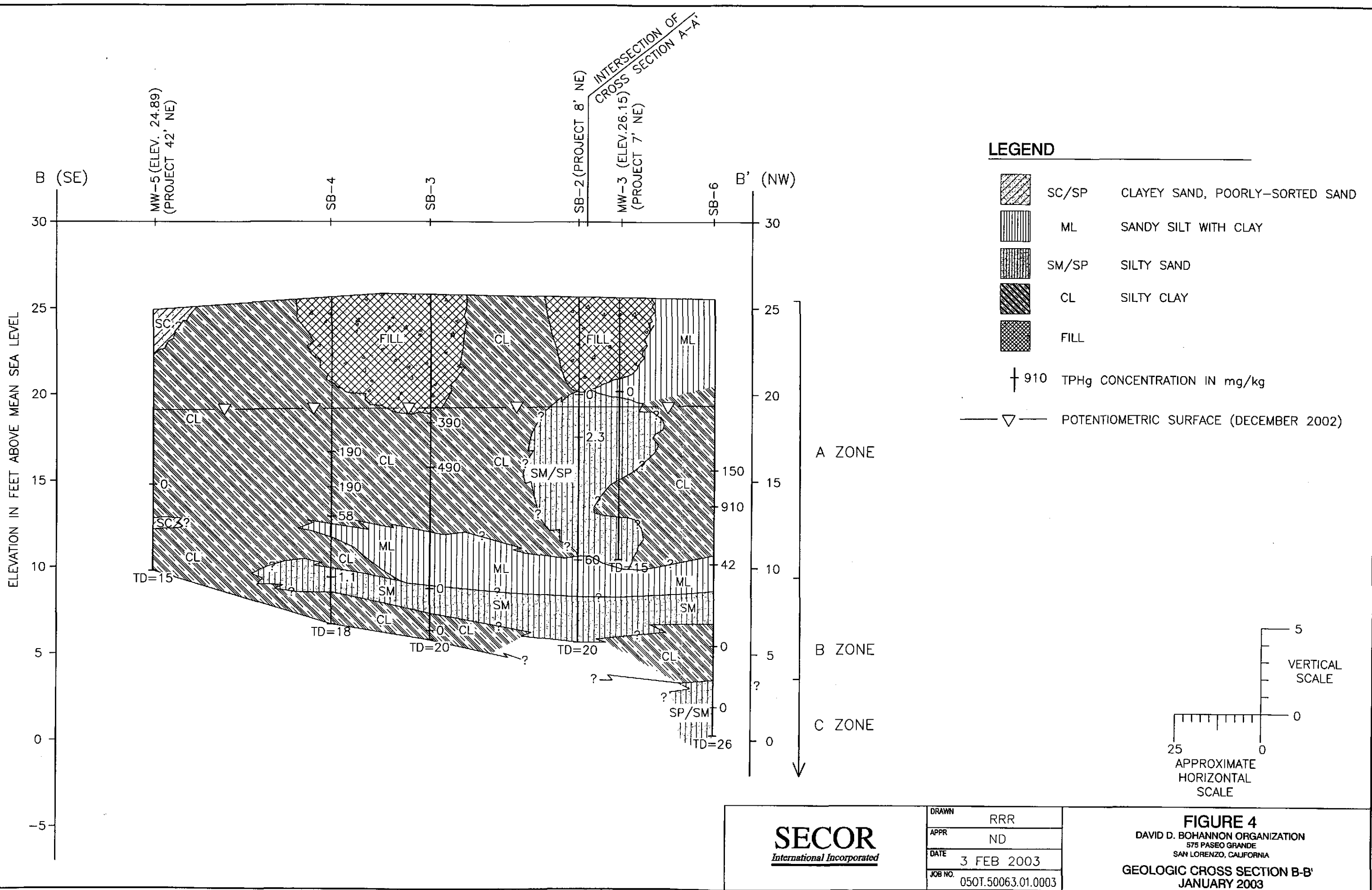
20030203.14310826 E:\BOH\2003 work plan\BOH-FIGURES-2_6-JAN_2003.dwg



	DRAWN	RRR
	APPR	ND
	DATE	3 FEB 2003
	JOB NO.	050T.50063.01.0003

FIGURE 3
 DAVID D. BOHANNON ORGANIZATION
 575 PASEO GRANDE
 SAN LORENZO, CALIFORNIA
 GEOLOGIC CROSS SECTION A-A'
 JANUARY 2003

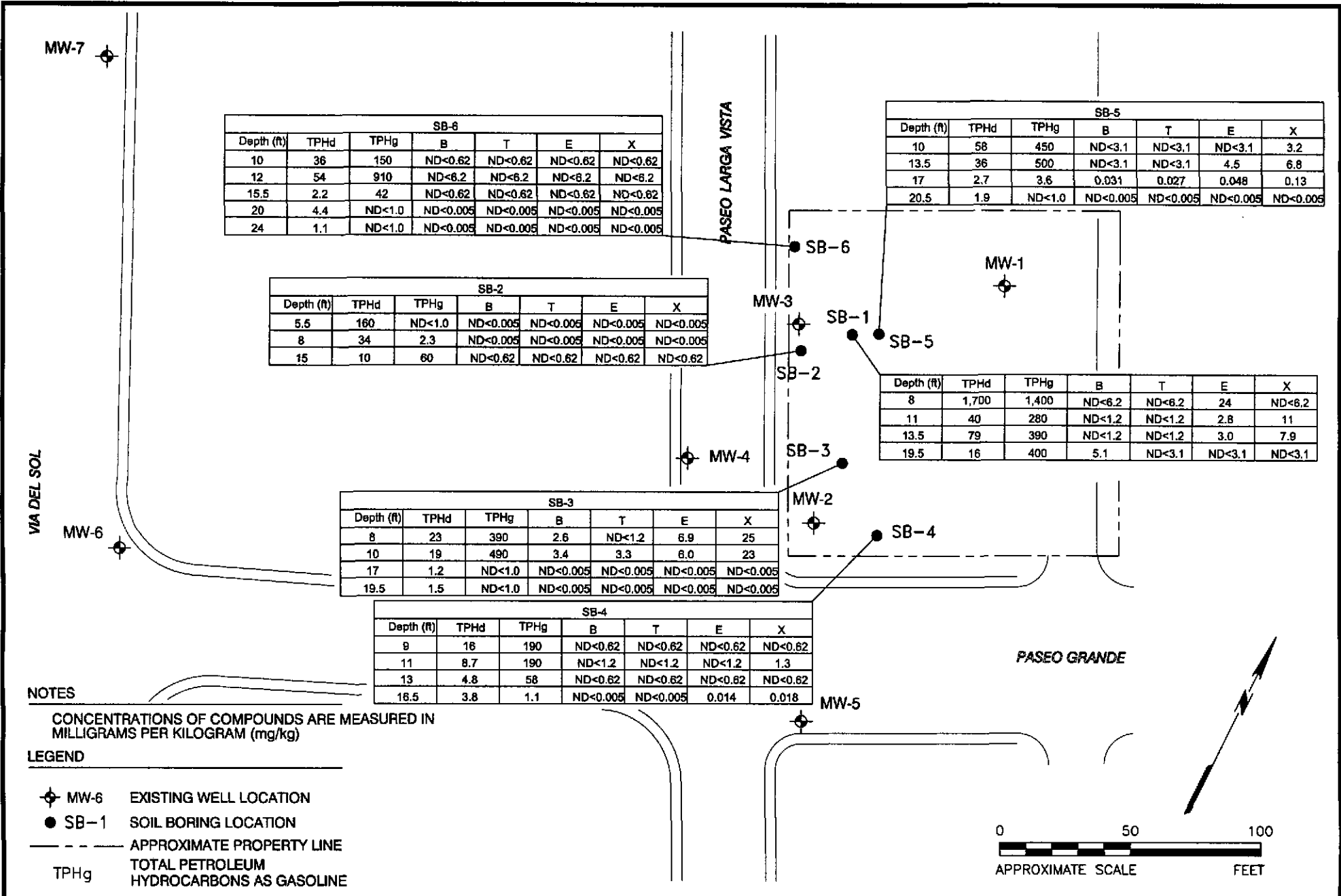
20030203.14310826 E:\BOH\2003 work plan\BOH-FIGURES-2_6-JAN_2003.dwg



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APPR	ND
DATE	3 FEB 2003
JOB NO.	050T.50063.01.0003

FIGURE 4
DAVID D. BOHANNON ORGANIZATION
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA
GEOLOGIC CROSS SECTION B-B'
JANUARY 2003



SB-6						
Depth (ft)	TPHd	TPHg	B	T	E	X
10	36	150	ND<0.62	ND<0.62	ND<0.62	ND<0.62
12	54	910	ND<6.2	ND<6.2	ND<6.2	ND<6.2
15.5	2.2	42	ND<0.62	ND<0.62	ND<0.62	ND<0.62
20	4.4	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
24	1.1	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005

SB-5						
Depth (ft)	TPHd	TPHg	B	T	E	X
10	58	450	ND<3.1	ND<3.1	ND<3.1	3.2
13.5	36	500	ND<3.1	ND<3.1	4.5	6.8
17	2.7	3.6	0.031	0.027	0.048	0.13
20.5	1.9	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005

SB-2						
Depth (ft)	TPHd	TPHg	B	T	E	X
5.5	160	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
8	34	2.3	ND<0.005	ND<0.005	ND<0.005	ND<0.005
15	10	60	ND<0.62	ND<0.62	ND<0.62	ND<0.62

Depth (ft)	TPHd	TPHg	B	T	E	X
8	1,700	1,400	ND<6.2	ND<6.2	24	ND<6.2
11	40	280	ND<1.2	ND<1.2	2.8	11
13.5	79	390	ND<1.2	ND<1.2	3.0	7.9
19.5	16	400	5.1	ND<3.1	ND<3.1	ND<3.1

SB-3						
Depth (ft)	TPHd	TPHg	B	T	E	X
8	23	390	2.6	ND<1.2	6.9	25
10	19	490	3.4	3.3	6.0	23
17	1.2	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
19.5	1.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005

SB-4						
Depth (ft)	TPHd	TPHg	B	T	E	X
8	16	190	ND<0.62	ND<0.62	ND<0.62	ND<0.62
11	8.7	190	ND<1.2	ND<1.2	ND<1.2	1.3
13	4.8	58	ND<0.62	ND<0.62	ND<0.62	ND<0.62
16.5	3.8	1.1	ND<0.005	ND<0.005	0.014	0.018

NOTES

CONCENTRATIONS OF COMPOUNDS ARE MEASURED IN MILLIGRAMS PER KILOGRAM (mg/kg)

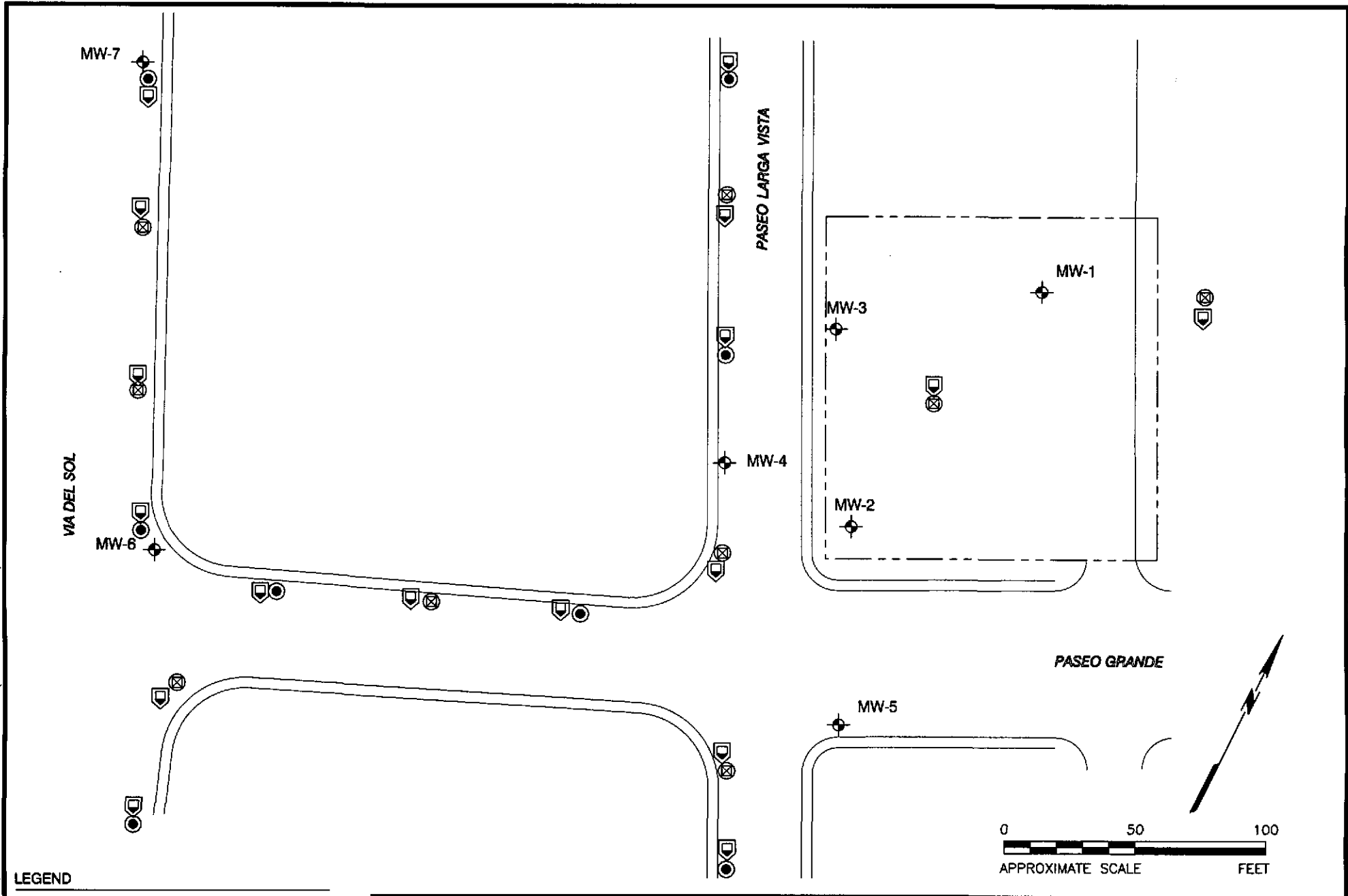
LEGEND

- ◆ MW-6 EXISTING WELL LOCATION
- SB-1 SOIL BORING LOCATION
- - - APPROXIMATE PROPERTY LINE
- TPHg TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- TPHd TOTAL PETROLEUM HYDROCARBONS AS DIESEL
- B BENZENE
- T TOLUENE
- E ETHYLBENZENE
- X XYLENES






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DRAWN	RRR
APPR	ND
DATE	3 FEB 2003
JOB NO.	0507.50063.01.0003

FIGURE 5
DAVID D. BOHANNON ORGANIZATION
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA
PETROLEUM HYDROCARBONS IN SOIL
JANUARY 2003



LEGEND

-  PROPOSED CPT LOCATION
-  PROPOSED SOIL BORING LOCATION
-  POTENTIAL HYDROPUNCH LOCATION
-  MW-6 EXISTING WELL LOCATION
-  APPROXIMATE PROPERTY LINE

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Incorporated*

DRAWN	RRR
APPR	ND
DATE	3 FEB 2003
JOB NO.	050T.50063.01.0003

FIGURE 6
DAVID D. BOHANNON ORGANIZATION
676 PASEO GRANDE
SAN LORENZO, CALIFORNIA
**PROPOSED SOIL BORING, CPT AND HYDROPUNCH
LOCATIONS - JANUARY 2003**

**APPENDIX A
SOIL BORING LOGS**

Limited Subsurface Investigation Report and Work Plan
for Additional Soil and Groundwater Assessment

David D. Bohannon Organization Property

SECOR Project No. 05OT.50063.01

February 19, 2003

SECOR

International Incorporated

Logged By: C. Melancon	Date Drilled: 1/2/03	Drilling Contractor: Gregg Drilling	Project Name: 575 Paseo Grande San Lorenzo, California	Method/Equipment: Continuous Sampler Geoprobe	Well Number: SB-1	
See "Legend to Logs" for sampling method, classifications and laboratory testing methods	Boring Diam.(in.): 2	Surface Elev.(ft.): NA	Groundwater Depth (ft.): ▽8 Perched Groundwater ▽15 Water-Bearing Zone	Total Depth (ft.): 20.0	Drive wt.(lbs.): NA	Drop Dist.(in.): NA

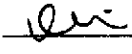
Boring	Depth, (ft.)	Sample Interval	Description	PID Readings (PPM)	Sample ID
			Asphalt / Baserock		
			GRAVELLY SAND (SW), fill materials Hand auger top four feet of boring		
	5				
			SAND (SP), very dark gray (5Y-3/1), sand is fine-grained, dense, wet, strong chemical odor, product sheen (0,100,0,0)	400	SB1-8
	10		SILTY CLAY (CL) WITH SAND, dark greenish gray (10Y-3/1), very stiff, moist, moderate plasticity, caliche nodules, strong chemical odor (0,10,30,60)	361	SB1-11
	15			350	SB1-13.5
			SAND (SP) WITH SILT, very dark gray (5Y-3/1), sand is fine-grained, medium dense, wet, strong chemical odor, product sheen, shell fragments (0,95,5,0)	297	
	20		SANDY SILT (ML) WITH CLAY, dark gray (2.5Y-3/1), stiff, moist, low plasticity, strong chemical odor (0,35,50,15)	179	SB1-19.5
	25				

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

575 PASEO GRANDE LOGS.GPJ LOG OF BH-REDLANDS-REV1

Project No. **05OT.50063.01**
Date **1/2/03**

Log of Boring: **SB-1**

Approved by 

SECOR

International Incorporated

Logged By: C. Melancon	Date Drilled: 1/2/03	Drilling Contractor: Gregg Drilling	Project Name: 575 Paseo Grande San Lorenzo, California	Method/Equipment: Continuous Sampler Geoprobe	Well Number: SB-2	
See "Legend to Logs" for sampling method, classifications and laboratory testing methods	Boring Diam.(in.): 2	Surface Elev.(ft.): NA	Groundwater Depth (ft.): ∇5 Perched Groundwater	Total Depth (ft.): 20.0	Drive wt.(lbs.): NA	Drop Dist.(in.): NA

Boring	Depth, (ft.)	Sample Interval	Description	PID Readings (PPM)	Sample ID
	0		Asphalt / Baserock		
	0		GRAVELLY SAND (SW), fill materials Hand auger top four feet of boring		
	5		SILTY SAND (SM) WITH GRAVEL AND TRACE CLAY, very dark gray (5Y-3/1), sand is fine-grained, gravel is fine-grained, medium dense, moderate chemical odor, moist to wet (15, 25, 60, 0)	34	SB2-5.5
	10		SAND (SP), very dark gray (5Y-4/1), sand is fine- to medium-grained, medium dense, wet, strong chemical odor, product sheen, shell fragments (0,100,0,0)	69	SB2-8
	15		SANDY SILT (ML) WITH CLAY, dark grayish brown (2.5Y-4/2), sand is fine-grained, stiff, moist to wet, strong chemical odor (0,30,50,20) No recovery 16' to 20'	280	
20			281	SB2-15	

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

575 PASEO GRANDE LOGS.GPJ LOG OF BH-REDLANDS-REV1

Project No. **05OT.50063.01**
Date **1/2/03**

Log of Boring: **SB-2**

Approved by _____

SECOR

International Incorporated

Logged By: C. Melancon	Date Drilled: 1/2/03	Drilling Contractor: Gregg Drilling	Project Name: 575 Paseo Grande San Lorenzo, California	Method/Equipment: Continuous Sampler Geoprobe	Well Number: SB-3		
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam. (in.): 2	Surface Elev. (ft.): NA	Groundwater Depth (ft.): ∇5 Perched Groundwater ∇14 Water-Bearing Zone	Total Depth (ft.): 20.0	Drive wt. (lbs.): NA	Drop Dist. (in.): NA

Boring	Depth, (ft.)	Sample Interval	Description	PID Readings (PPM)	Sample ID
	0		Asphalt / Baserock SILTY GRAVEL (GM) WITH SAND, fill materials Hand auger top four feet of boring		
	5			1	
	10		SILTY CLAY (CL), very dark gray (10YR-3/1), very stiff, moist, moderate plasticity, caliche nodules, strong chemical odor (0,0,20,80)	451	SB3-8
	10			476	SB3-10
	15		CLAYEY SILT (ML) WITH SAND, olive brown (2.5Y-4/3), sand is fine-grained, medium stiff, moist to wet, faint chemical odor (0,10,60,30)		
15		SILTY SAND (SM) WITH CLAY, olive brown (2.5Y-4/4), sand is fine-grained, wet to moist, faint chemical odor (0,55,40,5)	3	SB3-17	
20		SILTY CLAY (CL), olive brown (2.5Y-4/4), stiff, moist, moderate plasticity, faint chemical odor (0,0,30,70)	1	SB3-19.5	

575 PASEO GRANDE LOGS.GPJ LOG OF BH-REDLANDS-REV1

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. **05OT.50063.01**
Date **1/2/03**

Log of Boring: **SB-3**

Approved by 

(sheet 1 of 1)

SECOR

International Incorporated

Logged By: C. Melancon	Date Drilled: 1/2/03	Drilling Contractor: Gregg Drilling	Project Name: 575 Paseo Grande San Lorenzo, California	Method/Equipment: Continuous Sampler Geoprobe	Well Number: SB-4	
See "Legend to Logs" for sampling method, classifications and laboratory testing methods	Boring Diam.(in.): 2	Surface Elev.(ft.): NA	Groundwater Depth (ft.): ▼13 Water-Bearing Zone	Total Depth (ft.): 20.0	Drive wt.(lbs.): NA	Drop Dist.(in.): NA

Boring	Depth, (ft.)	Sample Interval	Description	PID Readings (PPM)	Sample ID
			Asphalt / Baserock		
			GRAVELLY SAND (SW), fill materials Hand auger top four feet of boring		
	5		SILTY CLAY (CL), black (10YR-2/1), very stiff, moist, moderate plasticity, caliche nodules, faint chemical odor (0,0,20,80)	71	
			Strong chemical odor at 7.5'	261	
			Strong chemical odor, green staining at 9'	429	SB4-9
	10			381	SB4-11
			SANDY SILT (ML) WITH CLAY, dark gray (5Y-3/1), medium stiff, moist to wet, strong chemical odor (0,30,50,20)	323	SB4-13
	15		SILTY CLAY (CL), olive brown (2.5Y-4/3), very stiff, moist, moderate plasticity, moderate chemical odor (0,0,20,80)	12	
			SILTY SAND (SM), olive brown (2.5Y-4/3), sand is fine-grained, medium dense, wet, strong chemical odor, product sheen (0,80,20,0)	365	SB4-16.5
			SILTY CLAY (CL), olive brown (2.5Y-4/3), very stiff, moist, moderate plasticity, (0,0,20,80)	56	
20		No recovery 18' to 20'			

575 PASEO GRANDE LOGS GPI LOG OF BH-REDLANDS-REV1

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. **05OT.50063.01**
Date **1/2/03**


Log of Boring: **SB-4**

Approved by

SECOR

International Incorporated

Logged By: C. Melancon	Date Drilled: 1/2/03	Drilling Contractor: Gregg Drilling	Project Name: 575 Paseo Grande San Lorenzo, California	Method/Equipment: Continuous Sampler Geoprobe	Well Number: SB-5		
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam. (in.): 2	Surface Elev. (ft.): NA	Groundwater Depth (ft.): ▽13 Water-Bearing Zone	Total Depth (ft.): 24.0	Drive wt. (lbs.): NA	Drop Dist. (in.): NA

Boring	Depth, (ft.)	Sample Interval	Description	PID Readings (PPM)	Sample ID
 Cement Grout			Asphalt / Baserock		
			SANDY SILT (ML), dark olive brown (2.5Y-3/3), sand is fine-grained, medium stiff, moist to wet (0,35,65,0) Hand auger top four feet of boring	0	
	5		SILTY CLAY (CL), very dark gray (10YR-3/1), very stiff, moist, moderate plasticity, caliche nodules (0,0,20,80) Faint chemical odor at 8'	58	
	10		Strong chemical odor and green staining at 10'	370	SB5-10
				333	
	15		SANDY SILT (ML) WITH CLAY, very dark grayish brown (2.5Y-3/2), stiff, moist to wet, strong chemical odor (0,25,60,15) SILTY CLAY (CL), very dark gray (10YR-3/1), very stiff, moist, moderate plasticity, strong chemical odor (0,0,20,80)	273	SB5-13.5
	20		SANDY SILT (ML) WITH CLAY, olive gray (5Y-4/2), stiff, moist to wet, strong chemical odor, product sheen (0,30,55,15) SILTY CLAY (CL), light olive brown (2.5Y-5/3), very stiff, moist, moderate plasticity, moderate chemical odor, caliche nodules (0,0,30,70)	269	SB5-17
				45	SB5-20.5
	25		SANDY SILT (ML) WITH CLAY, olive gray (5Y-4/2), stiff, moist to wet, (0,30,55,15) SILTY SAND (SM) WITH CLAY, olive brown (2.5Y-4/4), sand is fine-grained, medium dense, wet, faint chemical odor (0,65,25,10) No recovery 23' to 24'	10	

575 PASEO GRANDE LOGS.GPJ LOG OF BH REDLANDS-REV1

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. **05OT.50063.01**
Date **1/2/03**


Log of Boring: **SB-5**

Approved by 

SECOR


International Incorporated

Logged By: C. Melancon	Date Drilled: 1/22/03	Drilling Contractor: Gregg Drilling	Project Name: 575 Paseo Grande San Lorenzo, California	Method/Equipment: Continuous Sampler Geoprobe	Well Number: SB-6		
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 2	Surface Elev.(ft.): NA	Groundwater Depth (ft.): ¥19 Water-Bearing Zone	Total Depth (ft.): 26.0	Drive wt.(lbs.): NA	Drop Dist.(in.): NA

Boring	Depth, (ft.)	Sample Interval	Description	PID Readings (PPM)	Sample ID
	0		Asphalt / Baserock		
	0		SANDY SILT (ML), very dark grayish brown (2.5Y-3/2), sand is fine-grained, stiff, moist to wet, faint chemical odor (0,40,60,0) Hand auger top four feet of boring	0	
	5		SILTY CLAY (CL), very dark gray (10YR-3/1), very stiff, moist, moderate plasticity, caliche nodules, faint chemical odor (0,0,20,80)	0	
	10		Green staining and strong chemical odor 10' to 14'	375	SB6-10
	14			402	SB6-12
	15		SANDY SILT (ML) WITH CLAY, very dark grayish brown (2.5Y-3/2), sand is fine-grained, stiff, moist to wet, moderate chemical odor (0,30,50,20)	64	SB6-15.5
	20		No recovery from 16' to 20', presence of SILTY SAND (SM) lens inferred based on first-encountered water following removal of 16'-20' sample drive		SB6-20
	20		SILTY CLAY (CL), light olive brown (2.5Y-5/4), very stiff, moist, moderate plasticity, moderate chemical odor, abundant caliche nodules (0,0,20,80)		
	25		SAND (SP) WITH SILT, olive brown (2.5Y-4/3), sand is fine-grained, medium dense, wet, moderate chemical odor (0,90,10,0)	117	SB6-24
	25		No recovery from 24.5' to 26'		

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. **05OT.50063.01**
Date **1/2/03**

Log of Boring: **SB-6**
Approved by 

575 PASEO GRANDE LOGS.GPJ LOG OF BIRREDLANDS.REV1

APPENDIX B
LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY
RECORDS

Limited Subsurface Investigation Report and Work Plan
for Additional Soil and Groundwater Assessment

David D. Bohannon Organization Property
SECOR Project No. 05OT.50063.01

February 19, 2003

SECOR- Lafayette

January 13, 2003

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321

Attn.: Chris Maxwell

Project#: 050T.50063.01

Project: Bohannon

Site: 575 Paseo Grande
San Lorenzo, CA

Attached is our report for your samples received on 01/03/2003 15:52

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 02/17/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,



Afsaneh Salimpour
Project Manager

Diesel

SECOR- Lafayette

Attn.: Chris Maxwell

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-1,8	01/02/2003	Soil	4
SB-1,11	01/02/2003	Soil	5
SB-1,13.5	01/02/2003	Soil	6
SB-1,19.5	01/02/2003	Soil	7
SB-2,5.5	01/02/2003	Soil	8
SB-2,8	01/02/2003	Soil	9
SB-2,15	01/02/2003	Soil	10
SB-3,8	01/02/2003	Soil	11
SB-3,10	01/02/2003	Soil	12
SB-3,17	01/02/2003	Soil	13
SB-3,19.5	01/02/2003	Soil	14
SB-4,9	01/02/2003	Soil	16
SB-4,11	01/02/2003	Soil	17
SB-4,13	01/02/2003	Soil	18
SB-4,16.5	01/02/2003	Soil	19
SB-5,10	01/02/2003	Soil	22
SB-5,13.5	01/02/2003	Soil	23
SB-5,17	01/02/2003	Soil	24
SB-5,20.5	01/02/2003	Soil	25
SB-6,10	01/02/2003	Soil	27
SB-6,12	01/02/2003	Soil	28
SB-6,15.5	01/02/2003	Soil	29
SB-6,20	01/02/2003	Soil	30
SB-6,24	01/02/2003	Soil	31

Diesel

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Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SB-1,8	Lab ID: 2003-01-0027 - 4
Sampled: 01/02/2003	Extracted: 1/6/2003 08:26
Matrix: Soil	QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1700	50	mg/Kg	50.00	01/09/2003 20:49	ndp
Surrogates(s) o-Terphenyl	NA	60-130	%	50.00	01/09/2003 20:49	sd

Diesel

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Site: 575 Paseo Grande
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Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SB-1,11 Lab ID: 2003-01-0027 - 5
Sampled: 01/02/2003 Extracted: 1/6/2003 08:26
Matrix: Soil QC Batch#: 2003/01/06-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	40	1.0	mg/Kg	1.00	01/07/2003 14:01	ndp
<i>Surrogates(s)</i> o-Terphenyl	85.2	60-130	%	1.00	01/07/2003 14:01	

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Diesel

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Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: **SB-1,13.5** Lab ID: 2003-01-0027 - 6
Sampled: 01/02/2003 Extracted: 1/6/2003 08:26
Matrix: Soil QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	79	2.0	mg/Kg	2.00	01/10/2003 16:13	ndp
Surrogates(s) o-Terphenyl	90.8	60-130	%	2.00	01/10/2003 16:13	

Diesel

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Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SB-1,19.5 Lab ID: 2003-01-0027 - 7
Sampled: 01/02/2003 Extracted: 1/6/2003 08:26
Matrix: Soil QC Batch#: 2003/01/06-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	16	1.0	mg/Kg	1.00	01/07/2003 15:21	ndp
Surrogates(s) o-Terphenyl	79.9	60-130	%	1.00	01/07/2003 15:21	

Diesel

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Site: 575 Paseo Grande
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Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SB-2,5.5 Lab ID: 2003-01-0027 - 8
Sampled: 01/02/2003 Extracted: 1/6/2003 08:26
Matrix: Soil QC Batch#: 2003/01/06-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	160	10	mg/Kg	10.00	01/08/2003 05:17	ndp
<i>Surrogates(s)</i> o-Terphenyl	NA	60-130	%	10.00	01/08/2003 05:17	sd

Diesel

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Project: 050T.50063.01
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Site: 575 Paseo Grande
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Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SB-2,8 Lab ID: 2003-01-0027 - 9
Sampled: 01/02/2003 Extracted: 1/6/2003 08:26
Matrix: Soil QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	34	1.0	mg/Kg	1.00	01/08/2003 13:01	ndp
<i>Surrogates(s)</i> o-Terphenyl	86.8	60-130	%	1.00	01/08/2003 13:01	

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Diesel

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Site: 575 Paseo Grande
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Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SB-2,15 Lab ID: 2003-01-0027 - 10
Sampled: 01/02/2003 Extracted: 1/6/2003 08:26
Matrix: Soil QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	10	1.0	mg/Kg	1.00	01/07/2003 16:04	ndp
<i>Surrogates(s)</i> o-Terphenyl	86.4	60-130	%	1.00	01/07/2003 16:04	

Diesel

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Project: 050T.50063.01
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Site: 575 Paseo Grande
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Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SB-3,8 Lab ID: 2003-01-0027 - 11
Sampled: 01/02/2003 Extracted: 1/6/2003 08:26
Matrix: Soil QC Batch#: 2003/01/06-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	23	1.0	mg/Kg	1.00	01/07/2003 16:41	ndp
<i>Surrogates(s)</i> o-Terphenyl	81.5	60-130	%	1.00	01/07/2003 16:41	

Diesel

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Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SB-3,10	Lab ID:	2003-01-0027 - 12
Sampled:	01/02/2003	Extracted:	1/6/2003 08:26
Matrix:	Soil	QC Batch#:	2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	19	1.0	mg/Kg	1.00	01/07/2003 17:21	ndp
<i>Surrogates(s)</i> o-Terphenyl	80.9	60-130	%	1.00	01/07/2003 17:21	

Diesel

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Project: 050T.50063.01
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Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SB-3,17 Lab ID: 2003-01-0027 - 13
Sampled: 01/02/2003 Extracted: 1/6/2003 08:26
Matrix: Soil QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.2	1.0	mg/Kg	1.00	01/07/2003 18:00	ndp
<i>Surrogates(s)</i> o-Terphenyl	85.5	60-130	%	1.00	01/07/2003 18:00	

Diesel

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Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SB-3,19.5	Lab ID: 2003-01-0027 - 14
Sampled: 01/02/2003	Extracted: 1/6/2003 08:26
Matrix: Soil	QC Batch#: 2003/01/06-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.5	1.0	mg/Kg	1.00	01/07/2003 18:40	ndp
Surrogates(s) o-Terphenyl	83.6	60-130	%	1.00	01/07/2003 18:40	

Diesel

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Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SB-4,9 Lab ID: 2003-01-0027 - 16
Sampled: 01/02/2003 Extracted: 1/6/2003 08:26
Matrix: Soil QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	16	1.0	mg/Kg	1.00	01/07/2003 19:20	ndp
Surrogates(s) o-Terphenyl	84.9	60-130	%	1.00	01/07/2003 19:20	

Diesel

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Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SB-4,11	Lab ID: 2003-01-0027 - 17
Sampled: 01/02/2003	Extracted: 1/6/2003 08:26
Matrix: Soil	QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	8.7	1.0	mg/Kg	1.00	01/07/2003 19:59	ndp
Surrogates(s) o-Terphenyl	82.0	60-130	%	1.00	01/07/2003 19:59	

Diesel

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Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SB-4,13	Lab ID: 2003-01-0027 - 18
Sampled: 01/02/2003	Extracted: 1/6/2003 08:26
Matrix: Soil	QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	4.8	1.0	mg/Kg	1.00	01/07/2003 14:41	ndp
<i>Surrogates(s)</i> o-Terphenyl	81.1	60-130	%	1.00	01/07/2003 14:41	

Diesel

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Site: 575 Paseo Grande
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Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SB-4,16.5 Lab ID: 2003-01-0027 - 19
Sampled: 01/02/2003 Extracted: 1/6/2003 08:26
Matrix: Soil QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	3.8	1.0	mg/Kg	1.00	01/07/2003 15:21	ndp
Surrogates(s)						
o-Terphenyl	84.1	60-130	%	1.00	01/07/2003 15:21	

Diesel

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Site: 575 Paseo Grande
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Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SB-5,10	Lab ID: 2003-01-0027 - 22
Sampled: 01/02/2003	Extracted: 1/6/2003 08:26
Matrix: Soil	QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	58	2.0	mg/Kg	2.00	01/10/2003 16:13	ndp
<i>Surrogates(s)</i> o-Terphenyl	81.1	60-130	%	2.00	01/10/2003 16:13	

Diesel

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Project: 050T.50063.01
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Site: 575 Paseo Grande
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Prep(s): 3550/8015M Test(s): 8015M
Sample ID: **SB-5,13.5** Lab ID: 2003-01-0027 - 23
Sampled: 01/02/2003 Extracted: 1/6/2003 08:26
Matrix: Soil QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	36	1.0	mg/Kg	1.00	01/07/2003 16:41	ndp
Surrogates(s) o-Terphenyl	81.2	60-130	%	1.00	01/07/2003 16:41	

Diesel

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Site: 575 Paseo Grande
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Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SB-5,17 Lab ID: 2003-01-0027 - 24
Sampled: 01/02/2003 Extracted: 1/6/2003 08:26
Matrix: Soil QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.7	1.0	mg/Kg	1.00	01/07/2003 17:21	ndp
<i>Surrogates(s)</i> o-Terphenyl	85.7	60-130	%	1.00	01/07/2003 17:21	

Diesel

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Site: 575 Paseo Grande
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Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SB-5,20.5	Lab ID: 2003-01-0027 - 25
Sampled: 01/02/2003	Extracted: 1/6/2003 08:26
Matrix: Soil	QC Batch#: 2003/01/06-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.9	1.0	mg/Kg	1.00	01/07/2003 18:00	ndp
<i>Surrogates(s)</i> o-Terphenyl	85.6	60-130	%	1.00	01/07/2003 18:00	

Diesel

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Site: 575 Paseo Grande
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Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SB-6,10	Lab ID: 2003-01-0027 - 27
Sampled: 01/02/2003	Extracted: 1/6/2003 08:26
Matrix: Soil	QC Batch#: 2003/01/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	36	1.0	mg/Kg	1.00	01/07/2003 18:40	ndp
<i>Surrogates(s)</i> o-Terphenyl	76.8	60-130	%	1.00	01/07/2003 18:40	

Diesel

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Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SB-6,12	Lab ID: 2003-01-0027 - 28
Sampled: 01/02/2003	Extracted: 1/6/2003 13:19
Matrix: Soil	QC Batch#: 2003/01/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	54	2.0	mg/Kg	2.00	01/09/2003 21:27	ndp
<i>Surrogates(s)</i> o-Terphenyl	90.3	60-130	%	2.00	01/09/2003 21:27	

Diesel

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Site: 575 Paseo Grande
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Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SB-6,15.5	Lab ID: 2003-01-0027 - 29
Sampled: 01/02/2003	Extracted: 1/6/2003 13:19
Matrix: Soil	QC Batch#: 2003/01/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.2	1.0	mg/Kg	1.00	01/07/2003 19:20	ndp
<i>Surrogates(s)</i> o-Terphenyl	82.7	60-130	%	1.00	01/07/2003 19:20	

Diesel

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Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SB-6,20 Lab ID: 2003-01-0027 - 30
Sampled: 01/02/2003 Extracted: 1/6/2003 13:19
Matrix: Soil QC Batch#: 2003/01/06-04:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	4.4	1.0	mg/Kg	1.00	01/07/2003 19:59	ndp
Surrogates(s) o-Terphenyl	81.7	60-130	%	1.00	01/07/2003 19:59	

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Diesel

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Project: 050T.50063.01
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Site: 575 Paseo Grande
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Prep(s): 3550/8015M Test(s): 8015M
Sample ID: **SB-6,24** Lab ID: 2003-01-0027 - 31
Sampled: 01/02/2003 Extracted: 1/6/2003 13:19
Matrix: Soil QC Batch#: 2003/01/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.1	1.0	mg/Kg	1.00	01/09/2003 01:05	ndp
Surrogates(s) o-Terphenyl	78.4	60-130	%	1.00	01/09/2003 01:05	

Diesel

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Site: 575 Paseo Grande
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Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2003/01/06-02.10-003

Soil

Test(s): 8015M

QC Batch # 2003/01/06-02.10

Date Extracted: 01/06/2003 08:26

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	01/07/2003 12:41	
Surrogates(s) o-Terphenyl	88.5	60-130	%	01/07/2003 12:41	

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Diesel

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2003/01/06-04.10-003

Soil

Test(s): 8015M

QC Batch # 2003/01/06-04.10

Date Extracted: 01/06/2003 13:19

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	01/07/2003 13:41	
<i>Surrogates(s)</i> o-Terphenyl	85.1	60-130	%	01/07/2003 13:41	

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Diesel

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Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2003/01/06-02.10

LCS 2003/01/06-02.10-001

Extracted: 01/06/2003

Analyzed: 01/07/2003 11:26

LCSD 2003/01/06-02.10-002

Extracted: 01/06/2003

Analyzed: 01/07/2003 12:04

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	39.2	38.8	41.5	94.5	93.5	1.1	60-130	25		
Surrogates(s) o-Terphenyl	22.0	21.7	20.0	109.9	108.4		60-130	0		

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

01/13/2003 09:13

Diesel

SECOR- Lafayette

Attn.: Chris Maxwell

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2003/01/06-04.10

LCS 2003/01/06-04.10-001

Extracted: 01/06/2003

Analyzed: 01/07/2003 12:19

LCSD 2003/01/06-04.10-002

Extracted: 01/06/2003

Analyzed: 01/07/2003 13:00

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	38.5	37.8	41.6	92.5	90.6	2.1	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	18.4	17.8	20.0	92.1	89.0		60-130	0		

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Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Matrix Spike (MS / MSD)

Soil

QC Batch # 2003/01/06-04.10

SB-6,12 >> MS

Lab ID: 2003-01-0027 - 028

MS: 2003/01/06-04.10-004

Extracted: 01/06/2003

Analyzed: 01/09/2003 20:12

Dilution: 2.00

MSD: 2003/01/06-04.10-005

Extracted: 01/06/2003

Analyzed: 01/09/2003 20:49

Dilution: 2.00

Compound	Conc. mg/Kg			Spk. Level	Recovery			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Diesel	64.7	65.8	50.5	41.2	34.5	37.9	9.4	60-130	25	mso	mso
Surrogate(s) o-Terphenyl	20.6	21.6		20.0	102.8	107.9		60-130	0		

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San Lorenzo, CA

Legend and Notes

Result Flag

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference.
Precision and Accuracy were verified by LCS/LCSD.

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

Gas/BTEX by 8015M/8021

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Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-1	01/02/2003 09:00	Water	1
SB-2	01/02/2003 10:30	Water	2
SB-6	01/02/2003 15:00	Water	3
SB-2,5.5	01/02/2003	Soil	8
SB-2,8	01/02/2003	Soil	9
SB-3,17	01/02/2003	Soil	13
SB-3,19.5	01/02/2003	Soil	14
SB-4,16.5	01/02/2003	Soil	19
SB-5,17	01/02/2003	Soil	24
SB-5,20.5	01/02/2003	Soil	25
SB-6,20	01/02/2003	Soil	30
SB-6,24	01/02/2003	Soil	31

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Gas/BTEX by 8015M/8021

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Project: 050T.50063.01
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Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	SB-1	Lab ID:	2003-01-0027 - 1
Sampled:	01/02/2003 09:00	Extracted:	1/7/2003 12:29
Matrix:	Water	QC Batch#:	2003/01/07-01:04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	49000	2500	ug/L	50.00	01/07/2003 12:29	
Benzene	4700	25	ug/L	50.00	01/07/2003 12:29	
Toluene	740	25	ug/L	50.00	01/07/2003 12:29	
Ethyl benzene	1500	25	ug/L	50.00	01/07/2003 12:29	
Xylene(s)	3000	25	ug/L	50.00	01/07/2003 12:29	
Surrogates(s)						
Trifluorotoluene	119.4	58-124	%	50.00	01/07/2003 12:29	
4-Bromofluorobenzene-FID	110.8	50-150	%	50.00	01/07/2003 12:29	

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Gas/BTEX by 8015M/8021

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	SB-2	Lab ID:	2003-01-0027 - 2
Sampled:	01/02/2003 10:30	Extracted:	1/7/2003 12:53
Matrix:	Water	QC Batch#:	2003/01/07-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	26000	2500	ug/L	50.00	01/07/2003 12:53	
Benzene	3300	25	ug/L	50.00	01/07/2003 12:53	
Toluene	150	25	ug/L	50.00	01/07/2003 12:53	
Ethyl benzene	560	25	ug/L	50.00	01/07/2003 12:53	
Xylene(s)	290	25	ug/L	50.00	01/07/2003 12:53	
Surrogates(s)						
Trifluorotoluene	122.2	58-124	%	50.00	01/07/2003 12:53	
4-Bromofluorobenzene-FID	110.3	50-150	%	50.00	01/07/2003 12:53	

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Gas/BTEX by 8015M/8021

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	SB-6	Lab ID:	2003-01-0027 - 3
Sampled:	01/02/2003 15:00	Extracted:	1/7/2003 13:17
Matrix:	Water	QC Batch#:	2003/01/07-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	26000	2500	ug/L	50.00	01/07/2003 13:17	
Benzene	410	25	ug/L	50.00	01/07/2003 13:17	
Toluene	160	25	ug/L	50.00	01/07/2003 13:17	
Ethyl benzene	720	25	ug/L	50.00	01/07/2003 13:17	
Xylene(s)	660	25	ug/L	50.00	01/07/2003 13:17	
Surrogates(s)						
Trifluorotoluene	122.4	58-124	%	50.00	01/07/2003 13:17	
4-Bromofluorobenzene-FID	108.2	50-150	%	50.00	01/07/2003 13:17	

Gas/BTEX by 8015M/8021

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Project: 050T.50063.01
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Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s): 5035	Test(s): 8015M
5035	8021B
Sample ID: SB-2,5.5	Lab ID: 2003-01-0027 - 8
Sampled: 01/02/2003	Extracted: 1/7/2003 11:10
Matrix: Soil	QC Batch#: 2003/01/07-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/07/2003 11:10	
Benzene	ND	0.0050	mg/Kg	1.00	01/07/2003 11:10	
Toluene	ND	0.0050	mg/Kg	1.00	01/07/2003 11:10	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/07/2003 11:10	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/07/2003 11:10	
Surrogates(s)						
Trifluorotoluene	90.6	53-125	%	1.00	01/07/2003 11:10	
4-Bromofluorobenzene-FID	120.1	58-124	%	1.00	01/07/2003 11:10	

Gas/BTEX by 8015M/8021

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Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s): 5035	Test(s): 8015M
5035	8021B
Sample ID: SB-2,8	Lab ID: 2003-01-0027 - 9
Sampled: 01/02/2003	Extracted: 1/6/2003 13:45
Matrix: Soil	QC Batch#: 2003/01/06-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2.3	1.0	mg/Kg	1.00	01/06/2003 13:45	g
Benzene	ND	0.0050	mg/Kg	1.00	01/06/2003 13:45	
Toluene	ND	0.0050	mg/Kg	1.00	01/06/2003 13:45	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/06/2003 13:45	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/06/2003 13:45	
Surrogates(s)						
Trifluorotoluene	85.3	53-125	%	1.00	01/06/2003 13:45	
4-Bromofluorobenzene-FID	110.4	58-124	%	1.00	01/06/2003 13:45	

Gas/BTEX by 8015M/8021

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Site: 575 Paseo Grande
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Prep(s): 5035	Test(s): 8015M
5035	8021B
Sample ID: SB-3,17	Lab ID: 2003-01-0027 - 13
Sampled: 01/02/2003	Extracted: 1/6/2003 11:34
Matrix: Soil	QC Batch#: 2003/01/06-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/06/2003 11:34	
Benzene	ND	0.0050	mg/Kg	1.00	01/06/2003 11:34	
Toluene	ND	0.0050	mg/Kg	1.00	01/06/2003 11:34	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/06/2003 11:34	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/06/2003 11:34	
Surrogates(s)						
Trifluorotoluene	74.6	53-125	%	1.00	01/06/2003 11:34	
4-Bromofluorobenzene-FID	65.8	58-124	%	1.00	01/06/2003 11:34	

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Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s): 5035
5035
Sample ID: **SB-3,19.5**
Sampled: 01/02/2003
Matrix: Soil

Test(s): 8015M
8021B
Lab ID: 2003-01-0027 - 14
Extracted: 1/6/2003 12:07
QC Batch#: 2003/01/06-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/06/2003 12:07	
Benzene	ND	0.0050	mg/Kg	1.00	01/06/2003 12:07	
Toluene	ND	0.0050	mg/Kg	1.00	01/06/2003 12:07	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/06/2003 12:07	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/06/2003 12:07	
Surrogates(s)						
Trifluorotoluene	86.2	53-125	%	1.00	01/06/2003 12:07	
4-Bromofluorobenzene-FID	79.8	58-124	%	1.00	01/06/2003 12:07	

Gas/BTEX by 8015M/8021

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Project: 050T.50063.01
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San Lorenzo, CA

Prep(s): 5035
5035
Sample ID: **SB-4,16.5**
Sampled: 01/02/2003
Matrix: Soil

Test(s): 8015M
8021B
Lab ID: 2003-01-0027 - 19
Extracted: 1/7/2003 11:42
QC Batch#: 2003/01/07-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1.1	1.0	mg/Kg	1.00	01/07/2003 11:42	g
Benzene	ND	0.0050	mg/Kg	1.00	01/07/2003 11:42	
Toluene	ND	0.0050	mg/Kg	1.00	01/07/2003 11:42	
Ethyl benzene	0.014	0.0050	mg/Kg	1.00	01/07/2003 11:42	
Xylene(s)	0.018	0.0050	mg/Kg	1.00	01/07/2003 11:42	
Surrogates(s)						
Trifluorotoluene	100.5	53-125	%	1.00	01/07/2003 11:42	
Trifluorotoluene-FID	97.6	53-125	%	1.00	01/07/2003 11:42	

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Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	SB-5,17	Lab ID:	2003-01-0027 - 24
Sampled:	01/02/2003	Extracted:	1/9/2003 12:04
Matrix:	Soil	QC Batch#:	2003/01/09-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3.6	1.0	mg/Kg	1.00	01/09/2003 12:04	
Benzene	0.031	0.0050	mg/Kg	1.00	01/09/2003 12:04	
Toluene	0.027	0.0050	mg/Kg	1.00	01/09/2003 12:04	
Ethyl benzene	0.048	0.0050	mg/Kg	1.00	01/09/2003 12:04	
Xylene(s)	0.13	0.0050	mg/Kg	1.00	01/09/2003 12:04	
Surrogates(s)						
Trifluorotoluene	98.4	53-125	%	1.00	01/09/2003 12:04	
4-Bromofluorobenzene-FID	106.8	58-124	%	1.00	01/09/2003 12:04	

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San Lorenzo, CA

Prep(s): 5035	Test(s): 8015M
5035	8021B
Sample ID: SB-5,20.5	Lab ID: 2003-01-0027 - 25
Sampled: 01/02/2003	Extracted: 1/6/2003 19:18
Matrix: Soil	QC Batch#: 2003/01/06-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/06/2003 19:18	
Benzene	ND	0.0050	mg/Kg	1.00	01/06/2003 19:18	
Toluene	ND	0.0050	mg/Kg	1.00	01/06/2003 19:18	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/06/2003 19:18	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/06/2003 19:18	
Surrogates(s)						
Trifluorotoluene	58.2	53-125	%	1.00	01/06/2003 19:18	
Trifluorotoluene-FID	57.8	53-125	%	1.00	01/06/2003 19:18	

Gas/BTEX by 8015M/8021

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Project: 050T.50063.01
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Site: 575 Paseo Grande
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Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	SB-6,20	Lab ID:	2003-01-0027 - 30
Sampled:	01/02/2003	Extracted:	1/10/2003 13:33
Matrix:	Soil	QC Batch#:	2003/01/10-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/10/2003 13:33	
Benzene	ND	0.0050	mg/Kg	1.00	01/10/2003 13:33	
Toluene	ND	0.0050	mg/Kg	1.00	01/10/2003 13:33	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/10/2003 13:33	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/10/2003 13:33	
Surrogates(s)						
Trifluorotoluene	112.4	53-125	%	1.00	01/10/2003 13:33	
4-Bromofluorobenzene-FID	103.0	58-124	%	1.00	01/10/2003 13:33	

Gas/BTEX by 8015M/8021

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Prep(s): 5035
5035
Sample ID: **SB-6,24**
Sampled: 01/02/2003
Matrix: Soil

Test(s): 8015M
8021B
Lab ID: 2003-01-0027 - 31
Extracted: 1/6/2003 20:24
QC Batch#: 2003/01/06-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/06/2003 20:24	
Benzene	ND	0.0050	mg/Kg	1.00	01/06/2003 20:24	
Toluene	ND	0.0050	mg/Kg	1.00	01/06/2003 20:24	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/06/2003 20:24	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/06/2003 20:24	
Surrogates(s)						
Trifluorotoluene	101.4	53-125	%	1.00	01/06/2003 20:24	
4-Bromofluorobenzene-FID	99.6	58-124	%	1.00	01/06/2003 20:24	

Gas/BTEX by 8015M/8021

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Received: 01/03/2003 15:52

Site: 575 Paseo Grande
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Batch QC Report

Prep(s): 5035
Method Blank
MB: 2003/01/06-01.02-003

Soil

Test(s): 8015M
QC Batch # 2003/01/06-01.02
Date Extracted: 01/06/2003 07:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	01/06/2003 07:44	
Benzene	ND	0.0050	mg/Kg	01/06/2003 07:44	
Toluene	ND	0.0050	mg/Kg	01/06/2003 07:44	
Ethyl benzene	ND	0.0050	mg/Kg	01/06/2003 07:44	
Xylene(s)	ND	0.0050	mg/Kg	01/06/2003 07:44	
Surrogates(s)					
Trifluorotoluene	94.0	53-125	%	01/06/2003 07:44	
4-Bromofluorobenzene-FID	100.6	58-124	%	01/06/2003 07:44	

Gas/BTEX by 8015M/8021

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Bohannon

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Batch QC Report

Prep(s): 5035

Test(s): 8015M

Method Blank

Soil

QC Batch # 2003/01/07-01.02

MB: 2003/01/07-01.02-003

Date Extracted: 01/07/2003 08:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	01/07/2003 08:01	
Benzene	ND	0.0050	mg/Kg	01/07/2003 08:01	
Toluene	ND	0.0050	mg/Kg	01/07/2003 08:01	
Ethyl benzene	ND	0.0050	mg/Kg	01/07/2003 08:01	
Xylene(s)	ND	0.0050	mg/Kg	01/07/2003 08:01	
Surrogates(s)					
Trifluorotoluene	96.9	53-125	%	01/07/2003 08:01	
4-Bromofluorobenzene-FID	95.0	58-124	%	01/07/2003 08:01	

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01/10/2003 16:27

Gas/BTEX by 8015M/8021

SECOR- Lafayette
Attn.: Chris Maxwell

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5030
Method Blank
MB: 2003/01/07-01.04-004

Water

Test(s): 8015M
QC Batch # 2003/01/07-01.04
Date Extracted: 01/07/2003 08:23

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	01/07/2003 08:23	
Benzene	ND	0.5	ug/L	01/07/2003 08:23	
Toluene	ND	0.5	ug/L	01/07/2003 08:23	
Ethyl benzene	ND	0.5	ug/L	01/07/2003 08:23	
Xylene(s)	ND	0.5	ug/L	01/07/2003 08:23	
Surrogates(s)					
4-Bromofluorobenzene	118.6	50-150	%	01/07/2003 08:23	
4-Bromofluorobenzene-FID	117.8	50-150	%	01/07/2003 08:23	

Gas/BTEX by 8015M/8021

SECOR- Lafayette
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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5030
Method Blank

Soil

Test(s): 8015M
QC Batch # 2003/01/09-01.02

MB: 2003/01/09-01.02-003

Date Extracted: 01/09/2003 08:56

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	01/09/2003 08:56	
Benzene	ND	0.0050	mg/Kg	01/09/2003 08:56	
Toluene	ND	0.0050	mg/Kg	01/09/2003 08:56	
Ethyl benzene	ND	0.0050	mg/Kg	01/09/2003 08:56	
Xylene(s)	ND	0.0050	mg/Kg	01/09/2003 08:56	
Surrogates(s)					
Trifluorotoluene	107.9	53-125	%	01/09/2003 08:56	
4-Bromofluorobenzene-FID	100.0	58-124	%	01/09/2003 08:56	

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Gas/BTEX by 8015M/8021

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5035
Method Blank

Soil

Test(s): 8015M
QC Batch # 2003/01/10-01.02

MB: 2003/01/10-01.02-005

Date Extracted: 01/10/2003 09:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	01/10/2003 09:16	
Benzene	ND	0.0050	mg/Kg	01/10/2003 09:16	
Toluene	ND	0.0050	mg/Kg	01/10/2003 09:16	
Ethyl benzene	ND	0.0050	mg/Kg	01/10/2003 09:16	
Xylene(s)	ND	0.0050	mg/Kg	01/10/2003 09:16	
Surrogates(s)					
Trifluorotoluene	110.7	53-125	%	01/10/2003 09:16	
4-Bromofluorobenzene-FID	93.7	58-124	%	01/10/2003 09:16	

Gas/BTEX by 8015M/8021

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Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2003/01/06-01.02

LCS 2003/01/06-01.02-004

Extracted: 01/06/2003

Analyzed: 01/06/2003 08:17

LCSD 2003/01/06-01.02-005

Extracted: 01/06/2003

Analyzed: 01/06/2003 08:50

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.111	0.108	0.1000	111.0	108.0	2.7	77-123	35		
Toluene	0.108	0.105	0.1000	108.0	105.0	2.8	78-122	35		
Ethyl benzene	0.105	0.103	0.1000	105.0	103.0	1.9	70-130	35		
Xylene(s)	0.317	0.314	0.300	105.7	104.7	1.0	75-125	35		
Surrogates(s)										
Trifluorotoluene	540	526	500	108.0	105.2		53-125			

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Gas/BTEX by 8015M/8021

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2003/01/06-01.02

LCS 2003/01/06-01.02-006

Extracted: 01/06/2003

Analyzed: 01/06/2003 09:23

LCSD 2003/01/06-01.02-007

Extracted: 01/06/2003

Analyzed: 01/06/2003 09:56

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD %	Ctr.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Gasoline	0.540	0.544	0.500	108.0	108.8	0.7	75-125	35		
<i>Surrogates(s)</i>										
4-Bromofluorobenzene-FID	498	511	500	99.6	102.2		58-124			

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2003/01/07-01.02

LCS 2003/01/07-01.02-004

Extracted: 01/07/2003

Analyzed: 01/07/2003 08:35

LCSD 2003/01/07-01.02-005

Extracted: 01/07/2003

Analyzed: 01/07/2003 09:07

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	0.106	0.104	0.1000	106.0	104.0	1.9	77-123	35		
Toluene	0.104	0.101	0.1000	104.0	101.0	2.9	78-122	35		
Ethyl benzene	0.100	0.0974	0.1000	100.0	97.4	2.6	70-130	35		
Xylene(s)	0.303	0.300	0.300	101.0	100.0	1.0	75-125	35		
Surrogates(s)										
Trifluorotoluene	481	492	500	96.2	98.4		53-125			

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2003/01/07-01.02

LCS 2003/01/07-01.02-006

Extracted: 01/07/2003

Analyzed: 01/07/2003 09:40

LCSD 2003/01/07-01.02-007

Extracted: 01/07/2003

Analyzed: 01/07/2003 10:13

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Gasoline	0.506	0.456	0.500	101.2	91.2	10.4	75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	502	411	500	100.4	82.2		58-124			

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Gas/BTEX by 8015M/8021

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike

Water

QC Batch # 2003/01/07-01.04

LCS 2003/01/07-01.04-005

Extracted: 01/07/2003

Analyzed: 01/07/2003 08:47

LCSD 2003/01/07-01.04-006

Extracted: 01/07/2003

Analyzed: 01/07/2003 09:11

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	112	108	100.0	112.0	108.0	3.6	77-123	20		
Toluene	109	106	100.0	109.0	106.0	2.8	78-122	20		
Ethyl benzene	105	102	100.0	105.0	102.0	2.9	70-130	20		
Xylene(s)	310	301	300	103.3	100.3	2.9	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene	574	562	500	114.8	112.4		50-150			

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2003/01/07-01.04

LCS 2003/01/07-01.04-007

Extracted: 01/07/2003

Analyzed: 01/07/2003 09:35

LCSD 2003/01/07-01.04-008

Extracted: 01/07/2003

Analyzed: 01/07/2003 09:59

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %			Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD	
Gasoline	567	543	500	113.4	108.6	4.3	75-125	20			
<i>Surrogates(s)</i>											
4-Bromofluorobenzene-FID	553	543	500	110.6	108.6		50-150				

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Gas/BTEX by 8015M/8021

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2003/01/09-01.02

LCS 2003/01/09-01.02-004

Extracted: 01/09/2003

Analyzed: 01/09/2003 09:29

LCSD 2003/01/09-01.02-005

Extracted: 01/09/2003

Analyzed: 01/09/2003 10:01

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Gasoline	0.410	0.498	0.500	82.0	99.6	19.4	75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	412	490	500	82.4	98.0		58-124			

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Gas/BTEX by 8015M/8021

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Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2003/01/09-01.02

LCS 2003/01/09-01.02-006
LCSD 2003/01/09-01.02-007

Extracted: 01/09/2003
Extracted: 01/09/2003

Analyzed: 01/09/2003 10:38
Analyzed: 01/09/2003 11:11

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %			Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD	
Benzene	0.112	0.110	0.1000	112.0	110.0	1.8	77-123	35			
Toluene	0.109	0.108	0.1000	109.0	108.0	0.9	78-122	35			
Ethyl benzene	0.106	0.108	0.1000	106.0	108.0	1.9	70-130	35			
Xylene(s)	0.324	0.330	0.300	108.0	110.0	1.8	75-125	35			
Surrogates(s) Trifluorotoluene	558	545	500	111.6	109.0		53-125				

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2003/01/10-01.02

LCS 2003/01/10-01.02-006

Extracted: 01/10/2003

Analyzed: 01/10/2003 09:49

LCSD 2003/01/10-01.02-007

Extracted: 01/10/2003

Analyzed: 01/10/2003 10:22

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Gasoline	0.487	0.473	0.50	97.4	94.6	2.9	75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	493	471	500	98.6	94.2		58-124			

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2003/01/10-01.02

LCS 2003/01/10-01.02-008

Extracted: 01/10/2003

Analyzed: 01/10/2003 10:55

LCSD 2003/01/10-01.02-009

Extracted: 01/10/2003

Analyzed: 01/10/2003 11:28

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	0.0974	0.103	0.1000	97.4	103.0	5.6	77-123	35		
Toluene	0.0952	0.100	0.1000	95.2	100.0	4.9	78-122	35		
Ethyl benzene	0.0916	0.0963	0.1000	91.6	96.3	5.0	70-130	35		
Xylene(s)	0.278	0.295	0.300	92.7	98.3	5.9	75-125	35		
Surrogates(s)										
Trifluorotoluene	472	495	500	94.4	99.0		53-125			

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Gas/BTEX by 8015M/8021

SECOR- Lafayette

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Project: 050T.50063.01

Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Gas/BTEX Compounds (High Level)

SECOR- Lafayette
Attn.: Chris Maxwell

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Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-1,8	01/02/2003	Soil	4
SB-1,11	01/02/2003	Soil	5
SB-1,13.5	01/02/2003	Soil	6
SB-1,19.5	01/02/2003	Soil	7
SB-2,15	01/02/2003	Soil	10
SB-3,8	01/02/2003	Soil	11
SB-3,10	01/02/2003	Soil	12
SB-4,9	01/02/2003	Soil	16
SB-4,11	01/02/2003	Soil	17
SB-4,13	01/02/2003	Soil	18
SB-5,10	01/02/2003	Soil	22
SB-5,13.5	01/02/2003	Soil	23
SB-6,10	01/02/2003	Soil	27
SB-6,12	01/02/2003	Soil	28
SB-6,15.5	01/02/2003	Soil	29

Gas/BTEX Compounds (High Level)

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s): 5030
5030
Sample ID: SB-1,8
Sampled: 01/02/2003
Matrix: Soil

Test(s): 8015M
8021B
Lab ID: 2003-01-0027 - 4
Extracted: 1/7/2003 12:37
QC Batch#: 2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1400	100	mg/Kg	10.00	01/08/2003 12:37	g
Benzene	ND	6.2	mg/Kg	10.00	01/08/2003 12:37	
Toluene	ND	6.2	mg/Kg	10.00	01/08/2003 12:37	
Ethyl benzene	24	6.2	mg/Kg	10.00	01/08/2003 12:37	
Xylene(s)	ND	6.2	mg/Kg	10.00	01/08/2003 12:37	
Surrogates(s)						
Trifluorotoluene	NA	53-125	%	1.00	01/08/2003 12:37	sd
4-Bromofluorobenzene-FID	NA	58-124	%	1.00	01/08/2003 12:37	sd

Gas/BTEX Compounds (High Level)

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: SB-1,11	Lab ID: 2003-01-0027 - 5
Sampled: 01/02/2003	Extracted: 1/7/2003 15:43
Matrix: Soil	QC Batch#: 2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	280	20	mg/Kg	2.00	01/08/2003 15:43	
Benzene	ND	1.2	mg/Kg	2.00	01/08/2003 15:43	
Toluene	ND	1.2	mg/Kg	2.00	01/08/2003 15:43	
Ethyl benzene	2.8	1.2	mg/Kg	2.00	01/08/2003 15:43	
Xylene(s)	11	1.2	mg/Kg	2.00	01/08/2003 15:43	
Surrogates(s)						
4-Bromofluorobenzene	120.0	58-124	%	1.00	01/08/2003 15:43	
4-Bromofluorobenzene-FID	332.0	58-124	%	1.00	01/08/2003 15:43	sh

Gas/BTEX Compounds (High Level)

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Prep(s): 5030 5030	Test(s): 8015M 8021B
Sample ID: SB-1,13.5	Lab ID: 2003-01-0027 - 6
Sampled: 01/02/2003	Extracted: 1/7/2003 16:16
Matrix: Soil	QC Batch#: 2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	390	20	mg/Kg	2.00	01/08/2003 16:16	
Benzene	ND	1.2	mg/Kg	2.00	01/08/2003 16:16	
Toluene	ND	1.2	mg/Kg	2.00	01/08/2003 16:16	
Ethyl benzene	3.0	1.2	mg/Kg	2.00	01/08/2003 16:16	
Xylene(s)	7.9	1.2	mg/Kg	2.00	01/08/2003 16:16	
Surrogates(s)						
Trifluorotoluene	152.0	53-125	%	1.00	01/08/2003 16:16	sh
4-Bromofluorobenzene-FID	462.0	58-124	%	1.00	01/08/2003 16:16	sh

Gas/BTEX Compounds (High Level)

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Project: 050T.50063.01
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San Lorenzo, CA

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	SB-1,19.5	Lab ID:	2003-01-0027 - 7
Sampled:	01/02/2003	Extracted:	1/7/2003 10:54
Matrix:	Soil	QC Batch#:	2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	400	50	mg/Kg	5.00	01/09/2003 10:54	g
Benzene	5.1	3.1	mg/Kg	5.00	01/09/2003 10:54	
Toluene	ND	3.1	mg/Kg	5.00	01/09/2003 10:54	
Ethyl benzene	ND	3.1	mg/Kg	5.00	01/09/2003 10:54	
Xylene(s)	ND	3.1	mg/Kg	5.00	01/09/2003 10:54	
Surrogates(s)						
4-Bromofluorobenzene	90.0	58-124	%	1.00	01/09/2003 10:54	
4-Bromofluorobenzene-FID	230.0	58-124	%	1.00	01/09/2003 10:54	sh

Gas/BTEX Compounds (High Level)

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Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: SB-2,15	Lab ID: 2003-01-0027 - 10
Sampled: 01/02/2003	Extracted: 1/7/2003 19:00
Matrix: Soil	QC Batch#: 2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	60	10	mg/Kg	1.00	01/08/2003 19:00	g
Benzene	ND	0.62	mg/Kg	1.00	01/08/2003 19:00	
Toluene	ND	0.62	mg/Kg	1.00	01/08/2003 19:00	
Ethyl benzene	ND	0.62	mg/Kg	1.00	01/08/2003 19:00	
Xylene(s)	ND	0.62	mg/Kg	1.00	01/08/2003 19:00	
Surrogates(s)						
Trifluorotoluene	91.0	53-125	%	1.00	01/08/2003 19:00	
4-Bromofluorobenzene-FID	196.0	58-124	%	1.00	01/08/2003 19:00	sh

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Site: 575 Paseo Grande
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Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: SB-3,8	Lab ID: 2003-01-0027 - 11
Sampled: 01/02/2003	Extracted: 1/7/2003 11:22
Matrix: Soil	QC Batch#: 2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	390	20	mg/Kg	2.00	01/09/2003 11:22	
Benzene	2.6	1.2	mg/Kg	2.00	01/09/2003 11:22	
Toluene	ND	1.2	mg/Kg	2.00	01/09/2003 11:22	
Ethyl benzene	6.9	1.2	mg/Kg	2.00	01/09/2003 11:22	
Xylene(s)	25	1.2	mg/Kg	2.00	01/09/2003 11:22	
Surrogates(s)						
4-Bromofluorobenzene	88.0	58-124	%	1.00	01/09/2003 11:22	
4-Bromofluorobenzene-FID	206.0	58-124	%	1.00	01/09/2003 11:22	sh

Gas/BTEX Compounds (High Level)

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Prep(s): 5030
5030
Sample ID: SB-3,10
Sampled: 01/02/2003
Matrix: Soil
Test(s): 8015M
8021B
Lab ID: 2003-01-0027 - 12
Extracted: 1/7/2003 11:51
QC Batch#: 2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	490	50	mg/Kg	5.00	01/09/2003 11:51	
Benzene	3.4	3.1	mg/Kg	5.00	01/09/2003 11:51	
Toluene	3.3	3.1	mg/Kg	5.00	01/09/2003 11:51	
Ethyl benzene	6.0	3.1	mg/Kg	5.00	01/09/2003 11:51	
Xylene(s)	23	3.1	mg/Kg	5.00	01/09/2003 11:51	
Surrogates(s)						
4-Bromofluorobenzene	90.0	58-124	%	1.00	01/09/2003 11:51	
4-Bromofluorobenzene-FID	285.0	58-124	%	1.00	01/09/2003 11:51	sh

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Site: 575 Paseo Grande
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Prep(s): 5030
5030
Sample ID: SB-4,9
Sampled: 01/02/2003
Matrix: Soil

Test(s): 8015M
8021B
Lab ID: 2003-01-0027 - 16
Extracted: 1/7/2003 20:39
QC Batch#: 2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	190	10	mg/Kg	1.00	01/08/2003 20:39	g
Benzene	ND	0.62	mg/Kg	1.00	01/08/2003 20:39	
Toluene	ND	0.62	mg/Kg	1.00	01/08/2003 20:39	
Ethyl benzene	ND	0.62	mg/Kg	1.00	01/08/2003 20:39	
Xylene(s)	ND	0.62	mg/Kg	1.00	01/08/2003 20:39	
Surrogates(s)						
Trifluorotoluene	120.0	53-125	%	1.00	01/08/2003 20:39	
4-Bromofluorobenzene-FID	455.0	58-124	%	1.00	01/08/2003 20:39	sh

Gas/BTEX Compounds (High Level)

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Prep(s): 5030
5030
Sample ID: SB-4,11
Sampled: 01/02/2003
Matrix: Soil

Test(s): 8015M
8021B
Lab ID: 2003-01-0027 - 17
Extracted: 1/7/2003 12:20
QC Batch#: 2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	190	20	mg/Kg	2.00	01/09/2003 12:20	g
Benzene	ND	1.2	mg/Kg	2.00	01/09/2003 12:20	
Toluene	ND	1.2	mg/Kg	2.00	01/09/2003 12:20	
Ethyl benzene	ND	1.2	mg/Kg	2.00	01/09/2003 12:20	
Xylene(s)	1.3	1.2	mg/Kg	2.00	01/09/2003 12:20	
Surrogates(s)						
4-Bromofluorobenzene	66.0	58-124	%	1.00	01/09/2003 12:20	
4-Bromofluorobenzene-FID	150.0	58-124	%	1.00	01/09/2003 12:20	sh

Gas/BTEX Compounds (High Level)

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Prep(s): 5030
5030
Sample ID: **SB-4,13**
Sampled: 01/02/2003
Matrix: Soil

Test(s): 8015M
8021B
Lab ID: 2003-01-0027 - 18
Extracted: 1/9/2003 16:50
QC Batch#: 2003/01/09-05.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	58	10	mg/Kg	1.00	01/09/2003 16:50	g
Benzene	ND	0.62	mg/Kg	1.00	01/09/2003 16:50	
Toluene	ND	0.62	mg/Kg	1.00	01/09/2003 16:50	
Ethyl benzene	ND	0.62	mg/Kg	1.00	01/09/2003 16:50	
Xylene(s)	ND	0.62	mg/Kg	1.00	01/09/2003 16:50	
Surrogates(s)						
4-Bromofluorobenzene	96.4	58-124	%	1.00	01/09/2003 16:50	
4-Bromofluorobenzene-FID	120.4	58-124	%	1.00	01/09/2003 16:50	

Gas/BTEX Compounds (High Level)

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Site: 575 Paseo Grande
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Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: SB-5,10	Lab ID: 2003-01-0027 - 22
Sampled: 01/02/2003	Extracted: 1/7/2003 21:45
Matrix: Soil	QC Batch#: 2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	450	50	mg/Kg	5.00	01/08/2003 21:45	g
Benzene	ND	3.1	mg/Kg	5.00	01/08/2003 21:45	
Toluene	ND	3.1	mg/Kg	5.00	01/08/2003 21:45	
Ethyl benzene	ND	3.1	mg/Kg	5.00	01/08/2003 21:45	
Xylene(s)	3.2	3.1	mg/Kg	5.00	01/08/2003 21:45	
Surrogates(s)						
Trifluorotoluene	140.0	53-125	%	1.00	01/08/2003 21:45	sh
4-Bromofluorobenzene-FID	825.0	58-124	%	1.00	01/08/2003 21:45	sh

Gas/BTEX Compounds (High Level)

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San Lorenzo, CA

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: SB-5,13.5	Lab ID: 2003-01-0027 - 23
Sampled: 01/02/2003	Extracted: 1/7/2003 12:49
Matrix: Soil	QC Batch#: 2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	500	50	mg/Kg	5.00	01/09/2003 12:49	g
Benzene	ND	3.1	mg/Kg	5.00	01/09/2003 12:49	
Toluene	ND	3.1	mg/Kg	5.00	01/09/2003 12:49	
Ethyl benzene	4.5	3.1	mg/Kg	5.00	01/09/2003 12:49	
Xylene(s)	6.8	3.1	mg/Kg	5.00	01/09/2003 12:49	
Surrogates(s)						
4-Bromofluorobenzene	86.8	58-124	%	1.00	01/09/2003 12:49	
4-Bromofluorobenzene-FID	230.0	58-124	%	1.00	01/09/2003 12:49	sh

Gas/BTEX Compounds (High Level)

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Received: 01/03/2003 15:52

Site: 575 Paseo Grande
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Prep(s): 5030
5030
Sample ID: **SB-6,10**
Sampled: 01/02/2003
Matrix: Soil

Test(s): 8015M
8021B
Lab ID: 2003-01-0027 - 27
Extracted: 1/7/2003 16:49
QC Batch#: 2003/01/07-05:02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	150	10	mg/Kg	1.00	01/08/2003 16:49	g
Benzene	ND	0.62	mg/Kg	1.00	01/08/2003 16:49	
Toluene	ND	0.62	mg/Kg	1.00	01/08/2003 16:49	
Ethyl benzene	ND	0.62	mg/Kg	1.00	01/08/2003 16:49	
Xylene(s)	ND	0.62	mg/Kg	1.00	01/08/2003 16:49	
Surrogates(s)						
Trifluorotoluene	110.0	53-125	%	1.00	01/08/2003 16:49	
4-Bromofluorobenzene-FID	421.0	58-124	%	1.00	01/08/2003 16:49	sh

Gas/BTEX Compounds (High Level)

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Site: 575 Paseo Grande
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Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: SB-6,12	Lab ID: 2003-01-0027 - 28
Sampled: 01/02/2003	Extracted: 1/7/2003 09:56
Matrix: Soil	QC Batch#: 2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	910	100	mg/Kg	10.00	01/09/2003 09:56	g
Benzene	ND	6.2	mg/Kg	10.00	01/09/2003 09:56	
Toluene	ND	6.2	mg/Kg	10.00	01/09/2003 09:56	
Ethyl benzene	ND	6.2	mg/Kg	10.00	01/09/2003 09:56	
Xylene(s)	ND	6.2	mg/Kg	10.00	01/09/2003 09:56	
Surrogates(s)						
Trifluorotoluene	NA	53-125	%	1.00	01/09/2003 09:56	sd
4-Bromofluorobenzene-FID	NA	58-124	%	1.00	01/09/2003 09:56	sd

Gas/BTEX Compounds (High Level)

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Prep(s): 5030
5030
Sample ID: **SB-6,15.5**
Sampled: 01/02/2003
Matrix: Soil

Test(s): 8015M
8021B
Lab ID: 2003-01-0027 - 29
Extracted: 1/7/2003 10:25
QC Batch#: 2003/01/07-05.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	42	10	mg/Kg	1.00	01/09/2003 10:25	g
Benzene	ND	0.62	mg/Kg	1.00	01/09/2003 10:25	
Toluene	ND	0.62	mg/Kg	1.00	01/09/2003 10:25	
Ethyl benzene	ND	0.62	mg/Kg	1.00	01/09/2003 10:25	
Xylene(s)	ND	0.62	mg/Kg	1.00	01/09/2003 10:25	
Surrogates(s)						
4-Bromofluorobenzene	99.0	58-124	%	1.00	01/09/2003 10:25	
4-Bromofluorobenzene-FID	120.0	58-124	%	1.00	01/09/2003 10:25	

Gas/BTEX Compounds (High Level)

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Project: 050T.50063.01
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Batch QC Report

Prep(s): 5030
Method Blank
MB: 2003/01/07-05.02-001

Soil

Test(s): 8015M
QC Batch # 2003/01/07-05.02
Date Extracted: 01/07/2003 11:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	10	mg/Kg	01/08/2002 10:37	
Benzene	ND	0.62	mg/Kg	01/08/2002 10:37	
Toluene	ND	0.62	mg/Kg	01/08/2002 10:37	
Ethyl benzene	ND	0.62	mg/Kg	01/08/2002 10:37	
Xylene(s)	ND	0.62	mg/Kg	01/08/2002 10:37	
Surrogates(s)					
Trifluorotoluene	84.2	53-125	%	01/08/2002 10:37	
4-Bromofluorobenzene-FID	100.4	58-124	%	01/08/2002 10:37	

Gas/BTEX Compounds (High Level)

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Site: 575 Paseo Grande
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Batch QC Report

Prep(s): 5030
Method Blank
MB: 2003/01/09-05.01-001

Soil

Test(s): 8015M
QC Batch # 2003/01/09-05.01
Date Extracted: 01/09/2003 13:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	10	mg/Kg	01/09/2003 13:47	
Benzene	ND	0.62	mg/Kg	01/09/2003 13:47	
Toluene	ND	0.62	mg/Kg	01/09/2003 13:47	
Ethyl benzene	ND	0.62	mg/Kg	01/09/2003 13:47	
Xylene(s)	ND	0.62	mg/Kg	01/09/2003 13:47	
Surrogates(s)					
Trifluorotoluene	89.3	53-125	%	01/09/2003 13:47	
4-Bromofluorobenzene-FID	86.7	58-124	%	01/09/2003 13:47	

Gas/BTEX Compounds (High Level)

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Site: 575 Paseo Grande
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Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2003/01/07-05.02

LCS 2003/01/07-05.02-002

Extracted: 01/07/2003

Analyzed: 01/08/2003 11:31

LCSD 2003/01/07-05.02-003

Extracted: 01/07/2003

Analyzed: 01/08/2003 12:04

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.131	0.126	0.125	104.8	100.8	3.9	77-123	35		
Toluene	0.128	0.122	0.125	102.4	97.6	4.8	78-122	35		
Ethyl benzene	0.125	0.121	0.125	100.0	96.8	3.3	70-130	35		
Xylene(s)	0.389	0.374	0.375	103.7	99.7	3.9	75-125	35		
Surrogates(s)										
Trifluorotoluene	513	485	500	102.6	97.0		53-125	0		

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Gas/BTEX Compounds (High Level)

SECOR- Lafayette
Attn.: Chris Maxwell

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Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2003/01/07-05.02

LCS 2003/01/07-05.02-004

Extracted: 01/07/2003

Analyzed: 01/08/2003 08:58

LCSD 2003/01/07-05.02-005

Extracted: 01/07/2003

Analyzed: 01/08/2003 09:30

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Gasoline	0.540	0.505	0.625	86.4	80.8	6.7	75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	542	489	500	108.4	97.8		58-124	0		

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Gas/BTEX Compounds (High Level)

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Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2003/01/09-05.01

LCS 2003/01/09-05.01-002

Extracted: 01/09/2003

Analyzed: 01/09/2003 15:52

LCSD 2003/01/09-05.01-003

Extracted: 01/09/2003

Analyzed: 01/09/2003 16:21

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Benzene	0.108	0.116	0.125	86.4	92.8	7.1	77-123	35			
Toluene	0.0993	0.109	0.125	79.4	87.2	9.4	78-122	35			
Ethyl benzene	0.105	0.114	0.125	84.0	91.2	8.2	70-130	35			
Xylene(s)	0.309	0.341	0.375	82.4	90.9	9.8	75-125	35			
Surrogates(s)											
Trifluorotoluene	97.1	105	100	97.1	105.0		53-125	0			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

01/10/2003 16:27

Gas/BTEX Compounds (High Level)

SECOR- Lafayette
Attn.: Chris Maxwell

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302
Project: 050T.50063.01
Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2003/01/09-05.01

LCS 2003/01/09-05.01-004

Extracted: 01/09/2002

Analyzed: 01/10/2002 08:10

LCSD 2003/01/09-05.01-005

Extracted: 01/09/2003

Analyzed: 01/10/2003 08:43

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	0.543	0.482	0.625	86.9	77.1	12.0	75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	92.5	88.0	100	92.5	88.0		58-124	0		

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

01/10/2003 16:27

Gas/BTEX Compounds (High Level)

SECOR- Lafayette

Attn.: Chris Maxwell

57 Lafayette Circle, 2nd Floor

Lafayette, CA 94549-4321

Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.01

Bohannon

Received: 01/03/2003 15:52

Site: 575 Paseo Grande
San Lorenzo, CA

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

sd

Surrogate recovery not reportable due to required dilution.

sh

Surrogate recovery was higher than QC limit due to matrix interference.

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

2003-01-0027

71185

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: 005 - San Francisco
 Address: 57 Lafayette Circle, 2nd floor
Lafayette, CA 94549

Additional documents are attached, and are a part of this Record.
 Job Name: Bohannon
 Location: 575 Pizzo Grande
San Lorenzo, CA

Project # 050T.50063.01 Task # _____
 Project Manager Chris Maxwell
 Laboratory STL
 Turnaround Time Standard

Sampler's Name Charles Melancon
 Sampler's Signature [Signature]

Analysis Request

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/WTPH-G 8015 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Comments/ Instructions	Number of Containers
SB-1	1-2-03	9:00	Water		X												3
SB-2	↓	10:30	↓		X												3
SB-6	↓	15:00	↓		X												3

A-80

Special Instructions/Comments:

Relinquished by: [Signature]
 Sign [Signature]
 Print Charles Melancon
 Company SECOR
 Time 12:00 Date 1-2-03

Received by: [Signature]
 Sign [Signature]
 Print MUSA
 Company STL S.F.
 Time 1435 Date 01.03.03

Sample Receipt
 Total no. of containers: _____
 Chain of custody seals: _____
 Rec'd in good condition/cold: _____
 Conforms to record: _____

Relinquished by: _____
 Sign [Signature]
 Print MUSA
 Company STL S.F.
 Time 1345 Date 01-03-03

Received by: MARTIN VILLANOVET
 Sign [Signature]
 Print M. VILLANOVET
 Company STL SF
 Time 15:52 Date 1/3/03

Client: _____
 Client Contact: _____
 Client Phone: _____

2003-d-0027

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: 005 - San Francisco
 Address: 57 Lafayette Circle, 2nd floor
Lafayette, CA 94549

Additional documents are attached, and are a part of this Record.

Job Name: Bohannon
 Location: 575 Paseo Grande
San Lorenzo, CA


Project # 0507.50063.01 Task # _____
 Project Manager Chris Maxwell
 Laboratory STL
 Turnaround Time Standard


Analysis Request

Sampler's Name Charles McLanron
 Sampler's Signature 

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/WTPH-G 8015 (modified)/8020	TPHg/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Comments/ Instructions	Number of Containers			
SB-1, 8'	1-2-03		Soil		X	X											1			
SB-1, 11'	↓		↓		↓	↓											1			
SB-1, 13.5'																			1	
SB-1, 19.5'																				1
SB-2, 5.5'																				1
SB-2, 8'																				1
SB-2, 15'																				1
SB-3, 8'																				1
SB-3, 10'																				1
SB-3, 17'																				1


Special Instructions/Comments:

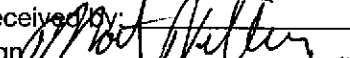
Relinquished by:
 Sign 
 Print Charles McLanron
 Company SEIOR
 Time 12:00 Date 1-3-03

Received by:
 Sign 
 Print MUSA
 Company STL SIF
 Time 1435 Date 01-03-03

Sample Receipt

Total no. of containers:	
Chain of custody seals:	
Rec'd in good condition/cold:	
Conforms to record:	

Relinquished by:
 Sign 
 Print MUSA
 Company STL SIF
 Time 1345 Date 01-03-03

Received by:
 Sign 
 Print MATE VILLANUEVA
 Company STL SIF
 Time 15:52 Date 1/3/03

Client: _____
 Client Contact: _____
 Client Phone: _____

2003-01-0027

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: 005 - San Francisco
 Address: 57 Lafayette Circle, 2nd floor
Lafayette, CA 94549

Additional documents are attached, and are a part of this Record.
 Job Name: Bohannon
 Location: 575 Paseo Grande
San Lorenzo, CA

Project # 050T-50063.01 Task # _____
 Project Manager Chris Maxwell
 Laboratory STC
 Turnaround Time Standard

Sampler's Name Charles Melencon
 Sampler's Signature [Signature]

Analysis Request

Sample ID	Date	Time	Matrix	HCID	TPH/g/BTEX/WTPH-G 8015 (modified)/8020	TPH/d/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Hold	Comments/ Instructions	Number of Containers
SB-3, 19.5'	1-2-03		Soil		X	X												1
SB-4, 7'																X		1
SB-4, 9'					X	X												1
SB-4, 11'					X	X												1
SB-4, 13'					X	X												1
SB-4, 16.5'					X	X												1
SB-4, 17.5'																X		1
SB-5, 8'																X		1
SB-5, 10'					X	X												1
SB-5, 13.5'					X	X												1

Special Instructions/Comments:

Relinquished by:
 Sign [Signature]
 Print Charles Melencon
 Company SECOR
 Time 12:00 Date 1-3-03

Received by:
 Sign [Signature]
 Print MIA
 Company STL S.F.
 Time 1435 Date 1-3-03

Sample Receipt
 Total no. of containers: _____
 Chain of custody seals: _____
 Rec'd in good condition/cold: _____
 Conforms to record: _____

Relinquished by:
 Sign [Signature]
 Print MIA
 Company STL S.F.
 Time 1445 Date 01.03.02

Received by:
 Sign [Signature]
 Print MARITE VILLANUEVA
 Company STL SF
 Time 15:52 Date 1/5/02

Client: _____
 Client Contact: _____
 Client Phone: _____

SECOR CUSTREC Rev. 2/99

2003-01-0027

Chain-of-Custody Number:

SECOR Chain-of-Custody Record

Field Office: 005 - San Francisco
 Address: 57 Lafayette Circle, 2nd Floor
LaFayette, CA 94549

Additional documents are attached, and are a part of this Record.
 Job Name: Bobannon
 Location: 575 Pasco Grande
San Lorenzo, CA

Project # 050T.50063.01 Task # _____
 Project Manager Chris Maxwell
 Laboratory STL
 Turnaround Time Standard

Sampler's Name Charles Melancon
 Sampler's Signature [Signature]

Analysis Request

Sample ID	Date	Time	Matrix	HCID	TPH _g /BTEX/WTPH-G 8015 (modified)/8020	TPH _d /WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Hold	Comments/ Instructions	Number of Containers
SB-5, 17'	1-2-03		Soil		X	X												1
SB-5, 20.5'					X	X												1
SB-6, 8'																X		1
SB-6, 10'					X	X												1
SB-6, 12'					X	X												1
SB-6, 15.5'					X	X												1
SB-6, 20'					X	X												1
SB-6, 24'					X	X												1

Special Instructions/Comments:

Relinquished by:
 Sign [Signature]
 Print Charles Melancon
 Company SECOR
 Time 12:00 Date 1-3-03

Relinquished by:
 Sign [Signature]
 Print [Signature]
 Company STL SIF
 Time 1545 Date 01-03-03

Received by:
 Sign [Signature]
 Print MUSA
 Company STL SIF
 Time 1435 Date 01-03-03

Received by:
 Sign [Signature]
 Print MARIA VILLANOVA
 Company STL SF
 Time 15:52 Date 1/3/02

Sample Receipt
 Total no. of containers: _____
 Chain of custody seals: _____
 Rec'd in good condition/cold: _____
 Conforms to record: _____
 Client: _____
 Client Contact: _____
 Client Phone: _____

STL San Francisco

Sample Receipt Checklist

Submission #: 2003- 01 - 0027

Checklist completed by: (initials) MV Date: 1, 3 /03

Courier name: STL San Francisco Client _____

Custody seals intact on shipping container/samples

Yes ___ No ___ Not Present

Chain of custody present?

Yes No ___

Chain of custody signed when relinquished and received?

Yes No ___

Chain of custody agrees with sample labels?

Yes No ___

Samples in proper container/bottle?

Yes No ___

Sample containers intact?

Yes No ___

Sufficient sample volume for indicated test?

Yes No ___

All samples received within holding time?

Yes No ___

Container/Temp Blank temperature in compliance ($4^{\circ}C \pm 2$)?

Temp: 4.8 °C Yes No ___

Water - VOA vials have zero headspace?

No VOA vials submitted ___ Yes No ___

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt? Yes No

pH adjusted- Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: _____ / _____ /03

Client contacted: Yes No

Summary of discussion:

Corrective Action (per PM/Client):