THE SAN JOAQUIN COMPANY INC.
1120 HOLLYWOOD AVENUE, SUITE 3, OAKLAND, CALIFORNIA 94602

Alameda County Environmental Health Care Services
Local Oversight Program
1131 Harbor Way Parkway, Suite 250
Alameda, California 94502-6577

Date: April 27, 2004

Our Reference: 0004.094

Attn. Ms Donna L. Drogos, PE

SUBJECT: Contamination of Subsurface: 423 Seventh Street, Oakland California

Dear Ms Drogos:

Enclosed please find a copy of our report *Environmental Subsurface Investigation - 423 Seventh Street, Oakland, California,* which we prepared for our client, Bay Rock Residential LLC (**Bay Rock**) of Emeryville, California. The report presents the results of, and our findings from, an environmental site characterization study that was performed as part of Bay Rock's due diligence process preparatory to acquisition of the property at that address, which is currently owned by Jack London HJ Partners. We are also attaching a table of depths to groundwater which includes additional data that we have obtained from the site since our report was written.

As is stated in the report, very low concentrations of components of fuel hydrocarbon including the fuel oxygenates tertiary-butyl alcohol (**TBA**) and di-isopropyl ether (**DIPE**), and a single instance of motor oil in soil, also at a very low concentration, were detected in samples of soil and groundwater recovered at the 423 Seventh Street site. It is our conclusion that the fuel hydrocarbons that include oxygenates most likely had their origin at the former Shell Station Site at 8th Street and Broadway.

Although the whole of its area was excavated down to a depth of some 10 ft below the ground surface (**BGS**) ft when an extension of the Howard Johnson Express Inn currently located on the site was constructed in 1972, it is also likely that some of the detected contaminants had their origin at a Chevron Station that, prior to that date, was located on the half of the site that fronts on to Seventh Street. However, we found no reports that any contaminated soil was found beneath the site when the 1972 construction was undertaken for the Howard Johnson Express Inn extension. Similarly, inquiry of the Bay Area Rapid Transit District (**BART**) yielded no information that would suggest that contaminated soil or groundwater was encountered in exploratory borings or in a shaft dug at the Seventh Street and Broadway corner of the site when BART installed its rail tunnels and ventilation infrastructure adjacent to the property in the 1960s. Given these findings, we conclude that any contamination of the subsurface beneath the site that originated at the former Chevron station was, as is reflected in the results of the analyses of samples of soil and groundwater documented in the report, minor and those hydrocarbons later commingled with similar very low concentrations of **oxygenated** fuel that originated at the former Shell Station at the intersection of Eighth Street and Broadway.

Regardless of source, all of the analytes of concern in the subsurface beneath the 423 Seventh

Street property are well below the current (February 2005) Environmental Screening Levels (**ESL**s) issued by the California Regional Water Quality Control Board - San Francisco Bay Region.

If the prospective real estate transaction closes, which we expect will occur on May 2, 2005, an entity to be known as RP Bayrock I, LLC, of which Bay Rock will be a shareholder, will take ownership of the 423 Seventh Street property. That entity will then proceed directly to demolish the existing Howard Johnson Express Inn and prepare the site for construction of a new, nine-story, mixed-use, residential and commercial structure. The new building will have two levels of basement parking, which will extend over the whole area of the site. (**Note**: Since our report was prepared, the floor slab level of the lowest parking floor in the proposed building has been revised from that stated in the report to 17.9 ft. MSL [*i.e.*, 14.9 ft. above the local Oakland Datum, and some 6 ft. above the elevation of the water-table when groundwater is at its typical shallowest seasonal depth.])

Prior to excavation for construction of the basement area beneath the new building, the three hydraulic elevator pistons that are currently present on the property will be removed.

Although concentrations of analytes of concern in the soil beneath the site are all well below the applicable ESLs, we expect that at least some portion of the soil excavated for the new construction will have to be disposed off-site at a permitted facility. Protocols for managing the excavation and disposal of such soil will be developed as part of the earthwork plan for the project.

At this time we are providing you with a copy of our report so that you will be aware of the subsurface conditions that we found, but, as any work at the site that might require the oversight of your agency is more fully detailed, we will contact you again and inform you about our plans for their implementation. In the meantime, if you have any questions, or there is any guidance that you can provide, please call me at (510) 336-9118.

Sincerely,

D. J. Watkins, Ph.D., PE.
Civil Engineer
The San Joaquin Company Inc.

Attach: Table 1: Depths to Groundwater

Enc: Report: *Environmental Subsurface Investigation - 423 Seventh Street, Oakland California*

cc: Ms Marilyn Ponte - Bay Rock Residential, LLC

TABLE 1

DEPTHS TO GROUNDWATER

8 Orchids Redevelopment Site, 423 Seventh Street, Oakland, CA

Well/Boring ID	Date	Surface Elev. ft. MSL	Casing Elev. ft. MSL	Depth of Boring ft.	Depth of Well ft.	Depth to GW ft.	GW Elev. ft. MSL
B-1		22.3	21.91	21.0	20.63		
	11/10/2004					11.73	10.18
	11/12/2004					11.66	10.25
	2/17/2005					10.67	11.24
	4/23/2005					10.92	10.99
B-2		23.0	22.77	31.5	26.15		
	11/10/2004					13.14	9.63
	11/12/2004					13.03	9.74
	2/17/2005					12.05	10.72
	4/23/2005					12.10	10.67
B-3		29.6	29.34	40.2	40.21		
	11/10/2004					18.91	10.43
	11/12/2004					18.83	10.51
	2/17/2005					17.86	11.48
	4/23/2005					17.79	11.55
B-4		26.8	-	30.0	-	-	-

Vertical Datum: NAVD 88

SJC

THE SAN JOAQUIN COMPANY INC.
1120 HOLLYWOOD AVENUE, SUITE 3, OAKLAND, CALIFORNIA 94602

ENVIRONMENTAL SUBSURFACE INVESTIGATION

423 SEVENTH STREET
OAKLAND, CALIFORNIA

for

BAYROCK
RESIDENTIAL

January 2005

Project No.: 0004.094

TELEPHONE: OAKLAND, CALIFORNIA (510) 336-9118 TRACY, CALIFORNIA (209) 832-2910

Table of Contents

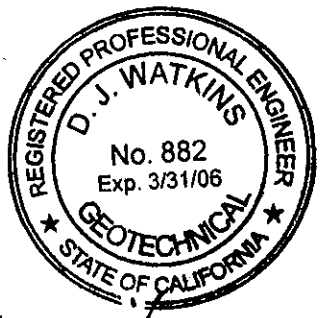
Tables

Figures

Appendices

PROFESSIONAL CERTIFICATION AND LIMITATIONS

This environmental subsurface investigation report was prepared by the engineer whose seal and signature appear below. The work was performed in accordance with generally accepted standards of engineering practice based on information available to SJC at the time of its preparation and within the limits of the scope of work directed by the client. No other representation, expressed or implied, and no warranty or guarantee is included or intended as to professional opinions, recommendations, or field or laboratory data provided.



01/15/05

D. J. Watkins, PhD., P.E.
Geotechnical Engineer
The San Joaquin Company Inc.

1.0 INTRODUCTION

This report documents an environmental subsurface investigation performed by The San Joaquin Company Inc. (**SJC**) at 423 Seventh Street in Oakland, California. The location of the site is shown on Figure 1. Figure 2 is a site plan. The investigation was performed for Bay Rock Residential, LLC (**Bay Rock**) of Emeryville, California.

1.1 Background

Measuring approximately 11,244.75 sq. ft. in area, the 423 Seventh Street property is currently the site of a Howard Johnson Express Inn. As is shown on Figure 2, the property occupies the northwestern half of the city block that is bounded by Seventh Street, Franklin Street, Sixth Street and Broadway, except for a small triangular area on its northern corner on which stands a small building that houses a ventilator shaft that serves the San Francisco Bay Area Rapid Transit District (**BART**) rail lines that run in tunnels beneath the intersection of Broadway and Seventh Street.

Bay Rock is considering purchase of the property at 423 Seventh Street for redevelopment and construction of a mixed residential/commercial building with nine occupied floors over three garage levels. During its due diligence process prior to purchase, Bay Rock found that hydraulic oil leaks from the piston that activates one of the elevators in the Howard Johnson Express Inn. The hydraulic oil discharges into the elevator shaft pit, from which it is periodically pumped into 55-gallon steel drums that are staged on the site prior to disposal. This condition raised concern that hydraulic oil may have migrated from the elevator shaft into the subsurface beneath the property.

In addition to concerns related to the leaking hydraulic oil in the Howard Johnson Express Inn, it is known that there are several leaking underground storage tank (**LUST**) sites in the near vicinity, and that, for many years prior to 1968, the northern quadrant of the 423 Seventh Street site was the location of an automobile service station. Given those circumstances, it was recognized that soil and groundwater beneath the subject property might be affected by petroleum hydrocarbons released at one or more of those sites.

To investigate the environmental condition of soil and groundwater beneath the subject property and to provide geotechnical engineering data necessary for redevelopment of the property, four borings, three of which were converted to groundwater-quality monitoring wells, were drilled at the site in November 2004. Soil and groundwater samples were recovered from the borings and analyzed for the presence of components of fuel hydrocarbons, motor oil and hydraulic oil.

1.2 Bay Area Rapid Transit Infrastructure

A significant feature of the subsurface of the site is the presence of branches of the Bay Area Rapid Transit (**BART**) system rail lines located in tunnels that form a "Y" junction beneath the intersection of Broadway and Seventh Street, just to the north of the subject

property. The alignment of the tunnels is shown in plan on Figure 3. The depth to the top of the concrete cover of the shallowest running tunnel is approximately 16 ft. BGS and it is at an elevation of approximately 13.5 ft. MSL. In addition, as was noted previously, the surface portal of a ventilation system that serves the BART tunnels is located on the southern corner of the intersection of Broadway and Seventh Street, adjacent to the Howard Johnson Express Inn (see Figure 2). Beneath the surface, the ventilation system consists of two levels with the top of the concrete cover of the upper level at approximately 4 ft. BGS. That infrastructure descends to a depth of approximately 13.5 ft. MSL, where it passes through the top of the rail tunnels. (Note: The relationship between the BART ventilation structure and the existing Howard Johnson Express Inn buildings is shown in cross-section on Figure 5.)

1.3 Geology and Hydrogeology

Following are descriptions of the general geology and hydrogeology of the 423 Seventh Street site and its environs.

1.3.1 Geology

The 423 Seventh Street property is situated on the very gently sloping coastal plain that descends at a gradient of between 2 and 3 percent from the Oakland Hills to the east to the Oakland Estuary and San Francisco Bay to the west. Immediately beneath the concrete slabs, paving and shallow fill that covers the site is the Pleistocene-age Merritt Sand, which has a thickness of approximately 42 feet at the subject property. The Merritt Sand formation was laid down as a bay-front beach deposit at some time during the late Pleistocene geologic period (*i.e.,* some two million years ago). It is composed of fine-grained, silty and clayey sand with lenses of sandy clay and clay. These deposits are yellowish-brown to dark yellowish-orange in color. They originated from wind- and water-deposited beach and near-shore deposits. The average dry density is 111 lb/ft^3 (within a range of 103-122 lb/ft^3) and the moisture content is in the range 7% to 21%. Sand grains in the Merritt formation are well sorted, rounded to sub-rounded and frosted.

The Merritt Sand lies unconformably over earlier Quaternary continental and marine sands, clays and gravels of the Alameda Formation, the maximum thickness of which is unknown, but exceeds 1,050 feet (Radbruch, 1957).

1.3.2 Hydrogeology

The depth to groundwater in the area of the 423 Seventh Street property is typically on the order of 19 ft. below the natural ground surface, but locally varies seasonally by several feet, with the groundwater usually being at its lowest elevation in October or November of each year and at its highest in March or April.

SJC's experience in investigating groundwater conditions in the neighborhood of 423 Seventh Street indicates that the stage of the tide in the Oakland Estuary has no effect on groundwater elevations at the location of the subject property.

The direction of groundwater flow in the area around the subject property is generally south or southwest toward the Oakland Estuary (see Figure 1 for location). However, it varies both seasonally and from location to location in the area. Among the subsurface features that influence the local direction of groundwater flow is the BART tunnel system that, as was discussed in Section 1.2 above, passes to the north of the subject property. The top of the roof of the shallowest BART tunnel is at a higher elevation than the elevation of the groundwater table, except when the water table is at an unusually high elevation during a particularly wet season in the San Francisco Bay area. Thus, the BART infrastructure will influence the local direction of groundwater flow, at least in the shallow aquifer beneath the site, and can account for some of the changes in direction of groundwater flow that occur from location to location within the area around the subject property.

2.0 SUBSURFACE INVESTIGATION

The environmental subsurface investigation of the subject property was performed by SJC in conjunction with Treadwell and Rollo, Inc. **(Treadwell and Rollo)** of San Francisco, California, which company was retained by Bay Rock to perform a geotechnical site investigation of the property. Ms Carolyn E. Ronin, P.E. of Treadwell and Rollo served as the Engineer of Record for the geotechnical engineering investigation elements and Dr. D. J. Watkins, Ph.D., P.E., served as Engineer of Record for the environmental engineering elements of the work. The results of the geotechnical engineering investigation have been separately reported (Treadwell and Rollo 2004).

2.1 Geotechnical Borings and Monitoring Wells

A number of geotechnical engineering borings have been drilled in the area of the subject property and were available for an initial study of the subsurface conditions. These include borings drilled along the BART right-of-way (San Francisco Bay Area Rapid Transit District (1963)) and along the alignment of Interstate 880, which passes a short distance southwest of the subject property, across Sixth Street (California Department of Transportation 1993). The BART borings include Boring B-12, which was drilled at the location shown on Figure 2, close to the northern side of the Howard Johnson Express Inn buildings. A copy of the log of that boring is included in Appendix A.

To obtain additional geotechnical and environmental information from the subsurface beneath the 423 Seventh Street site, four borings, B-1 through B-4, were drilled on November 4 and 5, 2004, at the locations shown on Figure 2. The drilling contractors, retained by Treadwell and Rollo, held C57 licenses issued by the California Contractors State License Board. Three of the borings, B-1, B-2 and B-3, were converted to groundwater-quality monitoring wells.

Permits for the borings and wells were obtained from the Alameda County Public Works Agency **(ACPWA)**.

2.1.1 Boring and Well Locations

Because the structures that compose the Howard Johnson Express Inn fully occupy the 423 Seventh Street site, available locations for drilling borings and installing groundwater-quality monitoring wells for the purpose of geotechnical and environmental subsurface investigation were severely restricted. Given those circumstances, the engineers in responsible charge of the work determined that to provide the ability to drill to depth beneath the site, which requires use of standard, truck-mounted drilling rigs, two borings, Boring B-2 and B-4, would be drilled close to the Howard Johnson structures in the adjacent Salvation Army parking lot (see Figure 2 for location). To enable exploratory borings within the site boundaries, although to a shallower depth, modified concrete wall-sawing equipment was used to advance borings into the soils beneath the basement slabs in areas where the restricted headroom in the underground parking garages was sufficient to permit operation of that equipment.

The drilling locations for Monitoring Wells B-1 and B-2, which, as shown on Figure 2, are in the underground parking area that fronts onto Seventh Street and the basement parking area that fronts onto Sixth Street, respectively, were selected because they were accessible for drilling operations. In the case of Monitoring Well B-1, that location, where just sufficient headroom was available for installation of a well, was selected to be close to and a few feet down-gradient from the elevator shaft into which it was known that hydraulic oil had leaked. The well and elevator shaft locations are shown on Figure 2.

2.1.2 Borings and Well Installation

Treadwell and Rollo drilled four borings on the site, at the locations shown on Figure 2. Borings B-3 and B-4 were drilled using an 8-in., open-stem auger that was advanced by a truck-mounted drilling rig. Those borings were advanced to a maximum depth of 39 ft. BGS and logged by a technician working under the direction of a California-registered engineer. Copies of the boring logs are compiled in Appendix A.

To convert Boring B-3 into a water-quality monitoring well, a 2-in. diameter, PVC well casing with 0.02-in., machine-cut slots from approximately 15 ft. BGS to the total depth of the boring was installed in Boring B-3. A 2-ft. thick bentonite seal with its bottom approximately 1-ft. above the screened interval of the casing was placed to fill the annular space between the casing and the boring wall. No. 2 Monterey sand filter material was placed between the screened casing and the wall of each boring. The well heads, which are fitted with lockable casing caps, were enclosed in flush-mounted, steel well vaults with steel covers rated for vehicular traffic conditions. These and other details of the well construction are included on the well logs.

Borings B-1 and B-2 were also converted into 2-in. diameter groundwater-quality monitoring wells, the construction details of which are generally similar to the well installed in Boring B-3. However, due to flowing sand conditions being encountered and the limited capabilities of the adapted concrete wall drilling equipment that was necessary to use in the restricted-head room basement areas, Boring B-1 was drilled to a depth of only 21 ft. below the basement slab and the screened interval of the well extended from 6 to 21 ft. BGS. In the case of Boring B-2, it was possible to advance the boring to a total depth of 31.5 ft. below the level of the basement slab, but, because formation sand flowed into the hole, it was possible to install a groundwater-quality monitoring well with a total depth of only 26 ft., with a screened interval between 11 and 26 ft. in that boring.

2.1.3 Subsurface Soils and Stratigraphy

Consistent with the geology of the area, the borings drilled for the subsurface investigations at 423 Seventh Street encountered clayey sands, silty sands and sands with silt that are components of the Merritt Sand Formation. The relatively minor variation between the sand facies from point to point across the site are typical of that Formation and are depicted on cross section A-A' shown on Figure 5, which was drawn through Treadwell and Rollo Borings B-3 and B-1 and BART Boring B-12. As is also shown on

that section, the bottom of the Merritt Sand was encountered in the BART Boring at a depth of approximately 42 ft. BGS at the intersection of Broadway and Seventh Street, below which depth relatively impermeable silty clays were encountered to the 68-ft. maximum depth of exploration.

Section A-A' also depicts the BART tunnels and infrastructure located in the subsurface immediately to the north of the Howard Johnson Express Inn building and shows how those civil engineering works act as a barrier to migration of groundwater through the permeable Merritt Sands. Their concrete walls are continuous from elevations above the water table and penetrate some 20 ft. into the low permeability, silty clays that underlie the Merritt Sand.

2.1.4 Recovery and Analyses of Soil Samples

While the borings were being drilled, the drilling equipment was used to recover soil samples in 2-in. diameter by 6-in. long stainless-steel tubes. Discrete samples were recovered from the subsurface at a depth of 2.5 ft BGS, 5.0 ft BGS and from approximate five foot intervals from there to the bottom of the borings. After extraction from the sampling tool, each sample tube was cleaned externally, its ends covered with aluminum foil and closed with tightly-fitting plastic caps secured with adhesive tape. Each tube was then labeled for identification, entered into chain-of-custody control, held in refrigerated storage and later packed on chemical ice in an electrically powered cooler for transport to Severn Trent Laboratories, Inc.'s (**STL**) Pleasanton, California laboratory within 24 hours.

The soil samples recovered from the borings drilled at the site were submitted to the laboratory was analyzed for the following suite of analytes:

Analyte	Method of Analysis
Total Petroleum Hydrocarbons (quantified as Motor Oil)	EPA Method 8015M
Total Petroleum Hydrocarbons (quantified as Hydraulic Oil)	EPA Method 8015M
Total Petroleum Hydrocarbons (quantified as Diesel)	EPA Method 8015M
Total Petroleum Hydrocarbons (quantified as Gasoline)	EPA Method 8015M
Benzene	EPA Method 8021
Toluene	EPA Method 8021
Ethyl benzene	EPA Method 8021

Total Xylene Isomers	EPA Method 8021
Total Lead	EPA Method 6010B

STL's laboratory is certified by the DHS to perform the soil analyses listed above. The results of the analyses of the soil samples are compiled in Table 2.

2.1.5 Disposal of Drill Cuttings

Drill cuttings from the well borings were retained in 55-gal., close-topped, steel drums. When full, the drums were closed and staged in the garages beneath the 423 Seventh Street property. It is planned to dispose of the soil stored in the drums together with soil from the proposed redevelopment of the site. If the planned redevelopment does not proceed or is unusually delayed, the cuttings will be retained in the drums and shipped off-site for disposal at an appropriately-permitted landfill.

2.1.6 Well Development

On November 10, 2004, the depth to groundwater in each groundwater-quality monitoring well (B-1. B-2 and B-3) was measured using a conductivity meter. Those measurements are recorded in Table 1. The wells were then developed by a drilling contractor, holding the requisite C57 license issued by the California Contractors State License Board, by pumping and surging and by bailing a minimum of 10 well volumes from each. The development water was staged in the basement parking area of the Howard Johnson Express Inn in 55-gal., closed-top, steel drums.

2.1.7 Well-head Elevations

The elevations of both the top of the casing and the wellhead box cover frame of each monitoring well were determined relative to mean sea level (**MSL**) by a California Registered Land Surveyor. Those elevations are recorded in Table 1.

2.2 Groundwater-quality Monitoring

On November 12, 2004, SJC monitored groundwater quality at the 423 Seventh Street site.

2.2.1 Groundwater Elevations and Flow Direction

To initiate the sampling program, the depth to groundwater in each of three monitoring wells, B-1 through B-3, was measured using a conductivity probe. The water table elevations were computed relative to mean sea level (**MSL**). Those measurements and the computed groundwater table elevations are recorded in Table 1.

The groundwater elevations presented in Table 1 were used to generate the groundwater contours shown on Figure 4. At the time of the November 12, 2004 groundwater

monitoring, the depth to the groundwater table was approximately 19 ft. below the elevation of Seventh Street and the direction of groundwater flow beneath the 423 Seventh Street site was to the west-southwest. However, as is discussed in Section 3.0 below, the direction of flow may vary from season to season. Data available in the California State Water Resources Control Board's GeoTracker database, indicates that, locally, the water table may be, at other times, as shallow as 18.05 ft BGS and as deep as 19.30 ft. BGS, as measured in a monitoring well with a top-of-casing elevation of 30.56 ft. MSL (S-6 on Figure 3) that was installed by Cambria Environmental Technology, Inc. (**Cambria**) to the northwest across Broadway from the 423 Seventh Street site (California State Water Resources Control Board 2005). That measurement shows that the water table beneath the 423 Seventh Street Site may, periodically, reach an elevation as high as 12.51 ft. MSL.

Note:

The design of the proposed structure to be built an the subject site calls for a basement with a floor elevation, at its deepest, of 12.50 ft. MSL, or 9.50 ft. above the local City of Oakland Datum (Jess, 2005). The basement will be made waterproof by installation of a membrane that is resistant to breakdown in the presence of benzene or other petroleum hydrocarbons.

2.2.2 Purging of Groundwater-quality Monitoring Wells

After depths to groundwater in the groundwater-quality monitoring wells were measured, a small-diameter, submersible pump was used to purge each groundwater-quality well of stagnant water. The pumped water was discharged into 5-gallon pails, each of which was, in turn, discharged into a 55-gallon drum. The drums have been staged on site in the underground parking area of the Howard Johnson Express Inn.

During the purging procedure, the temperature and electrical conductivity of the stream of purge water were monitored by checking those parameters periodically using a multi-function electronic meter. Purging continued until both parameters stabilized (*i.e.*, variations between measurements were less than 10%) The array of parametric results for each well was recorded in SJC's Field Notes (see Appendix B).

Inspection of the temperature and conductivity data in the field notes shows that both parameters stabilized to within plus or minus 10% after the first few measurements were made on the purge water discharged from each well.

2.2.3 Disposal of Development and Purge Water

To provide for economic disposal, development and purge water will be held on-site in 55-gal. holding drums and will be shipped to a permitted recycling facility at the same time as the hydraulic oil from the leaking elevator piston that is also stored on-site. If the planned redevelopment does not proceed or is unusually delayed, the schedule for off-site shipment of those wastes will be appropriately adjusted.

2.2.4 Recovery of Groundwater Samples from Monitoring Wells

After purging, groundwater samples were recovered from each monitoring well using a disposable bailer. Water brought to the surface in the bailers was decanted via a discharge spigot valve placed in the bottom of the bailer so as to completely fill clean glassware supplied by the laboratory containing, where applicable, pre-dispensed preservatives. The sample jars and vials were then tightly closed, labeled for identification, entered into chain-of-custody control and packed on chemical ice for transport, within four hours, to Severn Trent Laboratories' (**STL**) laboratory in Pleasanton, California for analysis.

2.2.5 Analyses of Groundwater Samples

Each groundwater sample recovered was analyzed at the laboratory for the following suite of analytes.

Analyte	Method of Analysis
Total Petroleum Hydrocarbons (quantified as Motor Oil)	EPA Method 8015M
Total Petroleum Hydrocarbons (quantified as Hydraulic Oil)	EPA Method 8015M
Total Petroleum Hydrocarbons (quantified as Diesel)	EPA Method 8015M
Total Petroleum Hydrocarbons (quantified as Gasoline)	EPA Method 8260B
Benzene	EPA Method 8260B
Toluene	EPA Method 8260B
Ethyl benzene	EPA Method 8260B
Total Xylene Isomers	EPA Method 8260B
tertiary-Butyl alcohol	EPA Method 8260B
Methyl-tertiary butyl ether	EPA Method 8260B
Di-isopropyl ether	EPA Method 8260B
Ethyl tertiary-butyl ether	EPA Method 8260B
Tertiary-amyl methyl ether	EPA Method 8260B

STL is certified to perform the specified analyses by the California Department of Health Services (**DHS**).

The results of the analyses of samples of groundwater are presented in Table 3. Copies of all laboratory Certificates of Analysis are included in Appendix C of this report.

2.3 Evaluation of Results of Soil and Groundwater Analyses

As is recorded in Tables 2 and 3, no hydraulic oil was detected in either soil or groundwater beneath the 423 Seventh Street site. Components of fuel hydrocarbons and motor oil were detected. However, as is documented in Table 4, the concentrations of detected analytes of concern in the soil and groundwater are, in each case, below the maximum concentrations detected in soil or groundwater are very much lower than the Environmental Screening Levels (**ESLs**) established by the Regional Water Quality Control Board - San Francisco Bay Region (**RWQCB**) for residential sites where contamination is present at less than 3 meters below the ground surface and groundwater is not a source of drinking water (Regional Water Quality Control Board - San Francisco Bay Region 2004).

It is noted that depth to the first significant occurrence of soil affected by components of fuel hydrocarbons beneath the subject site is greater than 3 meters below the natural ground surface. Also, the residential and commercial space in the proposed redevelopment will be separated from the ground surface by two or more floors that will serve as parking garages. However, to maintain an abundance of conservatism, in making the comparisons used in Table 4, the more restrictive ESL normally applied to on-grade construction of residential units was chosen.

Use of the ESLs applicable to site where groundwater is not a source of drinking water is based on the RWQCB's finding that water in the aquifers beneath the 423 Seventh Street site is not a viable source of potable water (California Regional Water Quality Control Board - San Francisco Bay Region 1999).

The principal reason for performing the analyses of soil for total lead was to ensure that any soil that would have to be disposed off-site to accommodate the proposed redevelopment project, will not contain excessive concentrations of that metal. As is recorded in Table 2, measured concentrations were low and well within the concentrations of naturally-occurring lead found in soils in Northern California (Bradford, G. R., *et. al.* 1996, Lawrence Berkeley National Laboratory 1995).

Given the very low concentrations of analytes of concern beneath the 423 Seventh Street property, all of which are very much lower than the applicable ESL, the site can be redeveloped for residential use without restriction. However, to the extent that it would be necessary to excavate soil from the site to accommodate construction of the new development, it will be necessary to evaluate and manage the excavated material so that it is disposed at an appropriately-permitted landfill.

3.0 SOURCES OF PETROLEUM HYDROCARBONS IN THE SUBSURFACE

The lack of any detectible hydraulic oil in the samples of soil and groundwater recovered from the monitoring well installed in Boring B-1 indicates that leakage from the Howard Johnson Express Inn's elevator system was contained within the elevator shaft and did not migrate to the subsurface.

The source of the low concentrations of components of fuel hydrocarbons that were detected in the soil and groundwater recovered from the borings and wells drilled on the site are difficult to identify definitively. As is typical of downtown Oakland, numerous automobile service stations and other hydrocarbon fuel dispensing facilities have been located historically in the neighborhood of the 423 Seventh Street site. Fuels and waste oil have been released to the subsurface at some of those sites, affecting soil and groundwater over a wide area. Except in the immediate vicinity of the releases, the concentrations of analytes of concern resulting from those leaks are generally moderate to low.

Figure 3 shows the locations of historical sites in the vicinity of the subject property at which fuel hydrocarbons have been stored or dispensed. Of the eight sites that appear on the drawing, two - the former service station at 625 Washington Street and the Oakland Police Motor Pool - can be eliminated as likely sources of the components of fuel hydrocarbons found beneath the subject property because, based on the known variations of groundwater flow direction in the neighborhood, they are both either down-gradient from or co-gradient to the 423 Seventh Street site. Of the remaining six sites, only the former Bill Louie's Richfield Auto Service at 800 Franklin Street and the former Shell station at 461 Eighth Street are cited in regulatory databases as known sites of unauthorized releases to the subsurface.

The other automobile service sites shown on Figure 3, including the Chevron station formerly located on the subject property itself, were found by historical research conducted by SJC and Cambria. In each case, the last known date of operation of service stations on those sites was several decades prior to the present time. For example, the only mention of the former True B service station at 713 Franklin Street is in one historical database that indicated that it was present at that site in 1933 (Environmental Data Resources, Inc. 2004).

3.1 Former Chevron Station at 636 Broadway

The Chevron station formerly located at 636 Broadway, which site is, today, part of the 423 Seventh Street property, lies beneath the portion of the Howard Johnson Express Inn that was constructed in 1972. As is shown on Figure 2, that structure, which has been designated Building 3 of the hotel complex for purpose of reference, occupies the northern portion of the site. When that building was constructed, an excavation was made that extended from the level of the sidewalk along Seventh Street to a depth of approximately 9 ft. BGS. That excavation work clearly would have removed any

underground storage tanks present on the site at that time, as well as all soil within the footprint of Building 3 down to the depth of excavation. However, as can be seen from an inspection of Table 2, very low concentrations of diesel-range hydrocarbons were detected in soil samples recovered from Borings B-1 and B-2 over a range of depths from 2.5 ft. to 15.5 ft. beneath the basement slab of the building. There was also a single instance of a motor oil-range hydrocarbon being detected in the sample recovered from Boring B-1 at a depth of 10.5 ft.

As can be seen on Figures 4 and 5, Borings B-1 and B-2 were drilled through the basement slab of the Howard Johnson Express Inn so that, in terms of site topography, when that portion of the subject property was occupied by the Chevron service station, the locations from which they were recovered would have been in the range 10 ft to 18 ft beneath the ground surface as it was at that time and, when the excavation was made for the construction of Building 3, the shallowest of the samples found to be affected by petroleum hydrocarbons would have been located in the floor of that excavation.

The presence of motor oil in the sample from a depth of 10.5 ft. in Boring B-1 suggests that the petroleum hydrocarbons had a local source because, due to its viscosity and other physical properties, motor oil usually migrates only short distances from the point at which it is discharged. Conversely, with the exception of an insignificant detection of diesel-range material at a concentration of 1.5 mg/K at a depth of 2.5 feet beneath the surface at the elevation of Seventh Street, no components of fuel hydrocarbons were detected in the samples recovered from Boring B-3 over the depth range 2.5 ft. to 39.0 ft. BGS. Similarly, with the minor exceptions of very low concentrations of components of gasoline in one sample recovered from at a depth of 15.5 ft. BGS, no detectable concentrations of components of petroleum hydrocarbons were detected in Boring B-4 over the range 2.5 ft to 39.0 ft. BGS. This suggests that any releases to the underground that may have occurred at the site of the former Chevron service station on the subject property were of limited extent because, if any such leakage had been large in volume or widespread over the site, it could be expected to have also affected soil adjacent to, and to at least some distance beyond, the boundaries of the service station, but none were found in the borings drilled in those areas.

Note:

The absence of any significant presence of hydrocarbons recovered from the soil in Borings B-3 and B-4 also indicates that the 423 Seventh Street property was not likely to have been affected by any release that might have occurred at the 629 Franklin Street, which historic address, at the intersection of Seventh and Franklin Streets, was the site of a former Flying A service station.

The above considerations regarding the likely source of the petroleum hydrocarbons detected in the subsurface beneath the 423 Seventh property leaves open the question as to what extent, if any, those analytes can be attributed to off-site sources. Clearly, the possibility exists that the petroleum hydrocarbons that were detected beneath the site and

that are listed in Table 2 and 3 might represent a mixture of materials emanating from on-site and off-site sources. However, it is instructive to note that the groundwater samples recovered from Borings B-2 and B-3 contained traces of the fuel oxygenates DIPE and TBA. Those compounds were not introduced into gasoline used in California until the mid-1990s (California Environmental Protection Agency 1997, California Regional Water Quality Control Board - Central Valley Region 1997). Because the Chevron station at 636 Broadway ceased operation no later than 1968, that facility was obviously not the source of the gasoline that contains DIPE and TBA that is present beneath the site today.

Of the sites discussed above, the remaining potential sources of gasoline containing fuel oxygenates that have been detected beneath the subject property are the former Bill Louie's Richfield Auto Service station at 800 Franklin Street and the former Shell station at 461 Eighth Street, which did not cease operations until after 1988 (see Figure 3 for locations).

3.2 Former Bill Louie's Richfield Auto Service

The former site of Bill Louie's Richfield Auto Service station **(Bill Louie Station)** at the intersection of Franklin and Eighth Streets is some 600 feet east-northeast of the 423 Seventh Street property. A release of gasoline at that site was discovered in 1989. Subsequently, contaminated soil was excavated and shipped to an off-site disposal facility and an array of groundwater-quality monitoring wells was installed. Later, a commercial building was constructed that today occupies the whole area of the former service station site.

The California State Water Resources Control Board **(SWRCB)** GeoTracker database (California State Water Resources Control Board 2005) includes a citation to a measurement of 800 µg/L of MTBE in a sample recovered from the groundwater at the site on January 2, 1965. Since MTBE was not used as a gasoline additive even in rare instances, prior to the late 1970s, and no groundwater-quality wells were present at the site in 1965, this data is clearly spurious. That clearly erroneous data is also reproduced in the most recent Regional Water Quality Control Board - San Francisco Bay Region **(RWQCB)** Leaking Underground Storage Tank database **(LUSTIS)** (Regional Water Quality Control Board - San Francisco Bay Region 2003). In addition, records of groundwater-quality monitoring rounds conducted at the site over the period October 1989 to March 1994 that SJC was able to find in ACEHCS case files show no analyses for MTBE being performed. However, since it would appear from the available records that the Bill Louie Station was in operation at least until 1988, it is quite possible that MTBE was present in the gasoline released at that site.

Under those circumstances, and given the southwesterly direction of groundwater flow computed from the measurements of depth to groundwater in the wells installed in November 2004 at the 423 Seventh Street property, the Bill Louie service station might be assigned as a potential source of the gasoline containing fuel oxygenates that was detected beneath the latter site. However, groundwater elevation data and groundwater

contour maps on file at ACEHCS indicate that the direction of groundwater flow at the former Bill Louie Station site is to the north-northwest (Associated Terra Consultants, Inc. 1994). Although that local direction of groundwater flow does not conform with the direction of groundwater flow computed for other sites in the neighborhood by SJC and others, if the reported data for the Bill Louie Station site is reliable, it is not likely that gasoline released at that site migrated onto the 423 Seventh Street property.

3.3 Former Shell Station at 461 Eighth Street

A more likely source of the gasoline containing fuel oxygenates that were detected beneath the Howard Johnson Express Inn is the former Shell Station, now a parking lot, at 461 Eighth Street. As is shown on Figure 3, that site is some 300 ft. north of the subject property.

A leak from the underground gasoline storage tanks located on the former Shell Station site was first discovered in 1987. Subsequent site characterization studies found that a large volume of gasoline had been released and a plume of light non-aqueous phase liquid (**LNAPL**), or floating product, had formed on the water table. The GeoTracker database cites concentrations of the fuel oxygenate MTBE up to 3,700 µg/L in water samples recovered from monitoring wells down-gradient of the former Shell station site. GeoTracker citations from regular rounds of groundwater-quality monitoring for the Shell Station also show that, on April 19, 2004, the concentration of gasoline in a monitoring well (No. S-6) located directly across Broadway from the 423 Seventh Street property was 58,000 µg/L.

Groundwater contours that can be computed from the various rounds of groundwater-quality monitoring at the former Shell Station show that the direction of groundwater flow locally at that site varies from south-southwest to southwest (Cambria Environmental Technology Inc. 2002, Blaine Tech Services, Inc. 2001). However, the groundwater flow regime to the south of the Shell station under Broadway is significantly influenced by the BART tunnels and infrastructure. Groundwater flow is deflected as it moves south or southwesterly by BART tunnels beneath Broadway. In fact, the hydrostatic head between the northwest side of Broadway (as measured in monitoring well S-9 – see Figure 3 for location) is typically some 0.4 ft. higher than on the southeast side of that thoroughfare (in well S-4), which is on the other side of the BART tunnel. These findings also indicate that there can be differences between the direction of groundwater flow on one side of the BART tunnels compared to the other and that the flow direction shown on Figure 4, which was computed from the depth to groundwater measurements made at 423 Seventh Street in November 2004 by SJC are not necessarily inconsistent with the range of local groundwater flow directions that have been computed for the former Shell Station at 461 Eighth Street. It is clear that during any given season, the BART infrastructure that extends along Broadway and passes to the northeast of Seventh Street significantly influences the local groundwater regime and the mechanisms of contaminant transport in the area.

In summary, it appears probable that the source of the low concentrations of fuel hydrocarbons containing fuel oxygenates that was detected in the subsurface beneath the 423 Seventh Street property was the former Shell station at 461 Eighth Street.

4.0 CONCLUSIONS

Soil and groundwater beneath the 423 Seventh Street site are affected by low concentrations of petroleum hydrocarbons, none of which exceed the applicable Environmental Screening Levels (**ESLs**) established by the RWQCB for applicable residential sites where the groundwater is not a source of drinking water. Thus, the mixed-use residential/commercial building that is proposed for the site, which will incorporate basement level underground vehicle garages, may, subject to the concurrence of the ACEHCS, be constructed on the site without resorting to active environmental remediation measures.

There is no evidence that hydraulic oil leaking from the hydraulic piston into the elevator shaft on the northeastern frontage of the property has migrated into soil or groundwater beneath the site.

To the extent that in situ soil beneath the existing Howard Johnson Express Inn structures that presently stand on the property will have to be excavated for the new construction, it will be necessary to sample and analyze the excavated soil so that it can be profiled prior to off-site disposal at a permitted facility.

5.0 RECOMMENDATIONS

At the time that the excavation for new construction on the site is initiated, an experienced California-registered engineer should be retained to observe the condition of the soil as it is excavated and, as necessary, to recover and analyze samples of the excavated soil for the following analytes of concern:

Analyte	Method of Analysis
Total Petroleum Hydrocarbons (quantified as Motor Oil)	EPA Method 8015M
Total Petroleum Hydrocarbons (quantified as Diesel)	EPA Method 8015M
Total Petroleum Hydrocarbons (quantified as Gasoline)	EPA Method 8015M
Benzene	EPA Method 8021
Toluene	EPA Method 8021
Ethyl benzene	EPA Method 8021
Total Xylene Isomers	EPA Method 8021
Total Lead	EPA Method 6010B

Unless the Engineer in Responsible Charge of the excavation and disposal of any affected soil that may be encountered on the site directs that additional samples should be recovered from other specific locations, pre-disposal samples should be recovered from the intersection points of a grid laid over the plan area of the excavation. The maximum grid spacing should not exceed 25 ft. In the vertical direction, samples should be recovered from the grid points at 5-ft. intervals. The soil samples should be analyzed in a timely manner so that data will be available for preparing a waste disposal profile of the excavated soil well in advance of the time that it will be shipped off-site.

ACEHCS should be notified well in advance of the excavation work and the results of the sampling and analysis of the excavated soils should be provided to that Agency. The floor and walls of the subterranean basements of the new construction should be waterproofed by application of an impermeable benzene-resistant membrane to a geotextile substrate under the concrete floor slabs and behind the concrete walls of the basements.

6.0 REFERENCES

Associated Terra Consultants, Inc. (1994), *Report of Sampling and Testing Results, STIC #37, 800 Franklin Street, Oakland, California.* Prepared for Mr. Tommy Chin, Continental Homes, Inc. April 8, 1994.

Blaine Tech Services, Inc. (2001), *Fourth Quarter 2001 Groundwater Monitoring at Former Shell Service Station. 461 8th Street, Oakland, CA.* Prepared for Karen Petryna, Equiva Services LLC. November 27, 2001.

Bradford, G. R., A. C. Chang, A. L. Page, D. Bakhtar, J. A. Frampton and H. Wright (1996), *Background Concentrations of Trace and Major Elements in California Soils,* Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California. Riverside, California. March 1996.

California Department of Transportation (1993), *Eastshore Freeway, Tube Approach Undercrossing*, Log of Borings (2 of 2), Sheet 13 of 13. March 15, 1993.

California Environmental Protection Agency (1997): *MTBE (methyl tertiary butyl ether),* Briefing Paper Prepared for the California Environmental Protection Agency. April 24, 1997.

California Regional Water Quality Control Board - Central Valley Region (1997), *Analysis Required for Oxygenate Compounds Used in California Gasoline - EPA Method 8260 (8240-B and 8020)*, Letter from Gordon Lee Boggs, Underground Tank Program Manager to Interested Parties. July 18, 1997.

California Regional Water Quality Control Board - San Francisco Bay Region (1999), *East Bay Plane Groundwater Basin Beneficial Use Evaluation Report - Alameda and Contra Costa Counties, C.,* California Regional Water Quality Control Board - San Francisco Bay Region Groundwater Committee. June 1999.

California State Water Resources Control Board (2005), GeoTracker website at http://geotracker.swrcb.ca.gov/

Cambria Environmental Technology, Inc. (2002), *Fourth Quarter 2001 Monitoring Report, Former Shell Service Station, 461 8th Street, Oakland, California.* January 24, 2002.

Environmental Data Resources, Inc. (2004), *EDR Radius Map with GeoCheck®, 8 Orchids Project Site, 423 7th Street, Oakland, CA 94607.* October 25, 2004.

Jess, Thom (2005), e-mail from Thom Jess, HDO Architects and Planners to Dai Watkins, The San Joaquin Company, Inc. January 27, 2005.

Lawrence Berkeley National Laboratory (1995), *Protocol for Determining Background Concentrations of Metals in Soil at Lawrence Berkeley National Laboratory (LBNL).* Berkeley, California. August 1995.

Radbruch, Dorothy H. (1957), *Areal and Engineering Geology of the Oakland West Quadrangle, California,* Miscellaneous Geological Investigations Map I-239, United States Geological Survey, Washington, D.C.

San Francisco Bay Area Rapid Transit District (1963), *Plan for Construction of Oakland Downtown Subway Structures Jefferson St. to Oakland Wye.* Log of Soil Borings 12 and 13, IK0061-K006, Sheet SE118-0 Page No. 190. 1963

State of California Regional Water Quality Control Board – San Francisco Bay Region (2005), web site at: http://www.waterboards.ca.gov/sanfranciscobay/

State of California Regional Water Quality Control Board – San Francisco Bay Region (2004), Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater, Lookup Tables. INTERIM FINAL - July 2003 (updated 2/4/04, 9/15/04).

State of California Water Quality Control Board (2005), GeoTracker website at http://www.geotracker.swrcb.ca.gov/reports/luft.asp?global_id=T0600101263&assigned_name=MAINSITE

Treadwell and Rollo (2004), *Geotechnical Investigation, 8 Orchids, Oakland, California.* Prepared for BayRock Residential, Emeryville, California. December 23, 2004.

TABLE 1

DEPTH TO GROUNDWATER

8 Orchids Redevelopment Site, Oakland, CA

Well/Boring ID	Date	Surface Elev. ft. MSL	Casing Elev. ft. MSL	Depth of Boring ft.	Depth of Well ft.	Depth to GW ft.	GW Elev. ft. MSL
B-1		22.3	21.91	21.0	20.63		
	11/10/2004					11.73	10.18
	11/12/2004					11.66	10.25
B-2		23.0	22.77	31.5	26.15		
	11/10/2004					13.14	9.63
	11/12/2004					13.03	9.74
B-3		29.6	29.34	40.2	40.21		
	11/10/2004					18.91	10.43
	11/12/2004					18.83	10.51
B-4		26.8	-	30.0	-	-	-

Vertical Datum: NAVD 88

SJC

TABLE 2

RESULTS OF ANALYSES OF SOIL SAMPLES

Boring I.D.	Sample ID	Date Sampled	Depth BGS *ft.*	TPHd (diesel) *mg/Kg*	Motor Oil *mg/Kg*	Hydraulic Oil *mg/Kg*	TPHg (gasoline) *mg/Kg*	Ben-zene *mg/Kg*	Tolu-ene *mg/Kg*	Ethyl-benzene *mg/Kg*	Total Xylenes *mg/Kg*	Total Lead *mg/Kg*
B-1	B-1-2.5	11/5/04	2.5	9.9 [2]	ND	ND	ND	ND	ND	ND	ND	5.5
	B-1-5.5	11/5/04	5.5	1.4 [2]	ND	ND	ND	ND	ND	ND	ND	2.3
	B-1-10.5	11/5/04	10.5	41 [2]	81 [3]	ND	ND	ND	ND	ND	ND	2.0
	B-1-15.5	11/5/04	15.5	ND	ND	ND	ND	ND	ND	ND	ND	1.2
	B-1-20.5	11/5/04	20.5	ND	ND	ND	ND	ND	ND	0.0052	ND	1.3
B-2	B-2-2.5	11/4/04	2.5	1.7 [2]	ND	ND	ND	ND	ND	ND	ND	2.4
	B-2-5.5	11/4/04	5.5	3.3 [2]	ND	ND	ND	ND	ND	ND	ND	2.0
	B-2-10.5	11/4/04	10.5	ND	ND	ND	ND	ND	ND	ND	ND	2.3
	B-2-15.5	11/4/04	15.5	2.6 [2]	ND	ND	ND	ND	ND	ND	ND	1.5
	B-2-20.5	11/4/04	20.5	ND	ND	ND	ND	ND	ND	ND	0.015	1.2
	B-2-25.5	11/4/04	25.5	ND	ND	ND	ND	ND	ND	ND	ND	1.3
	B-2-30.5	11/4/04	30.5	ND	ND	ND	ND	ND	ND	ND	ND	1.1
B-3	B-3-2.5	11/4/04	2.5	1.5 [2]	ND	ND	ND	ND	ND	ND	ND	na
	B-3-5.5	11/4/04	5.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-3-10.5	11/4/04	10.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-3-15.5	11/4/04	15.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-3-20.5	11/4/04	20.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-3-25.5	11/4/04	25.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-3-30.5	11/4/04	30.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-3-35.5	11/4/04	35.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-3-39.0	11/4/04	39.0	ND	ND	ND	ND	ND	ND	ND	ND	na
B-4	B-4-2.5	11/4/04	2.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-4-5.5	11/4/04	5.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-4-10.5	11/4/04	10.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-4-15.5	11/4/04	15.5	ND	ND	ND	1.3 [4]	ND	ND	0.029	0.0061	na
	B-4-20.5	11/4/04	20.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-4-25.5	11/4/04	25.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-4-30.5	11/4/04	30.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-4-33.5	11/4/04	33.5	ND	ND	ND	ND	ND	ND	ND	ND	na
	B-4-39.0	11/4/04	39.0	ND	ND	ND	ND	ND	ND	ND	ND	na

Notes:
(1) ND = Not detected above the laboratory's Method Detection Limit
(2) Quantity of unknown hydrocarbon in sample based on diesel
(3) Quantity of unknown hydrocarbon in sample based on motor oil
(4) Quantity of unknown hydrocarbon in sample based on gasoline

SJC

TABLE 3

RESULTS OF ANALYSES OF GROUNDWATER SAMPLES

		Hydrocarbons				BTEX Compounds				Fuel Oxygenates					PNAs
Sample ID	**Date Sampled**	**TPHd (diesel)** µg/L	**Motor Oil** µg/L	**Hydraulic Oil** µg/L	**TPHg (gasoline)** µg/L	**Ben-zene** µg/L	**Tolu-ene** µg/L	**Ethyl-benzene** µg/L	**Total Xylenes** µg/L	**TBA** µg/L	**MTBE** µg/L	**DIPE** µg/L	**ETBE** µg/L	**TAME** µg/L	**16 PNAs by 8270C** µg/L
B-1	11/12/04	100 [3]	ND [1]	ND	330	ND	0.56	ND	1.1	ND	ND	ND	ND	ND	ND
B-2	11/12/04	120 [3]	ND	ND	97	ND	ND	ND	ND	ND	ND	6.6	ND	ND	ND
B-3	11/12/04	57 [3]	ND	ND	ND	ND	ND	ND	ND	8.0	ND	ND	ND	ND	ND
B-4	ns [2]	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns

Notes:

(1) ND = Not detected above the laboratory's Method Detection Limit
(2) ns = Not sampled
(3) Quantity of unknown hydrocarbon in sample based on diesel

SJC

TABLE 4

COMPARISON OF MAXIMUM CONCENTRATIONS OF ANALYTES WITH ENVIRONMENTAL SCREENING LEVELS

ESLs lsited are for soils less that 3 m. BGS and for sites where groundwater is not a source of drinking water

Analyte	Sample ID	Max. Concentration in Soil *mg/Kg*	Residential ESL[1] for Soil *mg/Kg*	Max. Concentration in Water *µg/L*	Residential ESL[1] for Water *µg/L*
TPHd	B-1-10.5	41	500 [2]	-	-
(diesel)	B-1	-	-	100	640 [2]
Motor Oil	B-1-10.5	81	500 [2]	-	-
TPHg	B-4-15.5	1.3	100 [2]	-	-
(gasoline)	B-1	-	-	330	500 [2]
Toluene	B-1	-	-	0.56	130
Ethylbenzene	B-4-15.5	0.029	24	-	-
Total Xylenes	B-2-20.5	0.015	1.0	-	-
	B-1	-	-	1.1	13
TBA	B-3	n/a	-	8	18,000
DIPE	B-2	n/a	-	6.6	ne[4]
Total Lead	B-1-2.5	5.5	200	n/a	-

Notes:

(1) Environmental screening level established by California Regional Water Quality Control Board - San Francisco Bay Region Sept. 2004

(2) Levels cited for Total Petroleum Hydrocarbons are ceiling values to limit noxious odors, etc. No limits related to health or other environmental risks have been established for these mixtures of petroleum hydrocarbons other than those for components such as the BTEX compounds.

(3) n/a = not analyzed

(4) ne = not established in the RWQCB ESL guidance document (California Regional Water Quality Control Board - San Francisco Bay Region Sept. 2004).

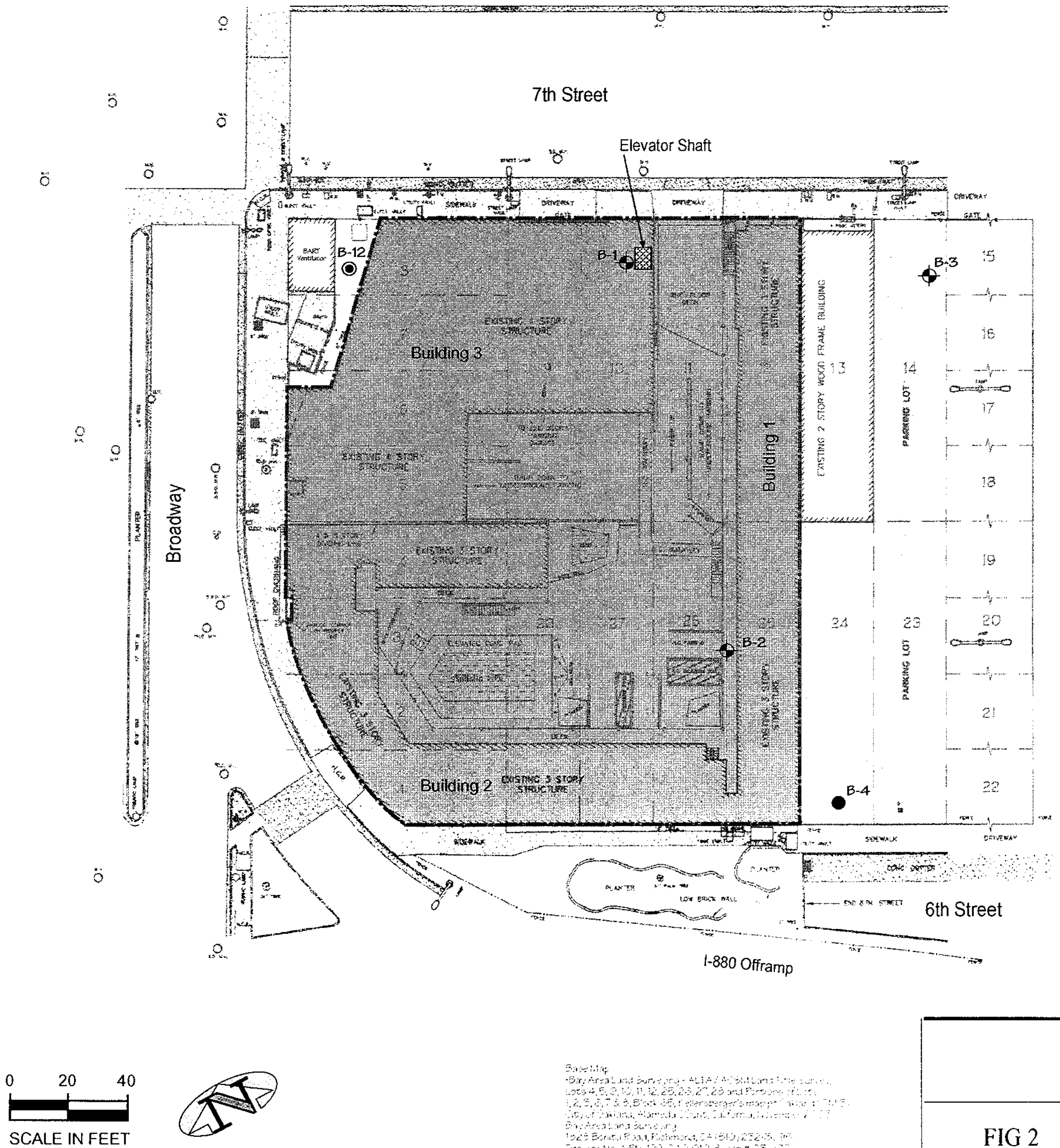
0 2000 4000

SCALE IN FEET

Basemap: AAA; Oakland-Berkeley-Alameda (2/91)

SITE LOCATION
423 Seventh Street,
Oakland, California

FIG 1	**The San Joaquin Company Inc.**	Project Number: 0004.095
		Drawn by: GNM | Date: 01/25/05

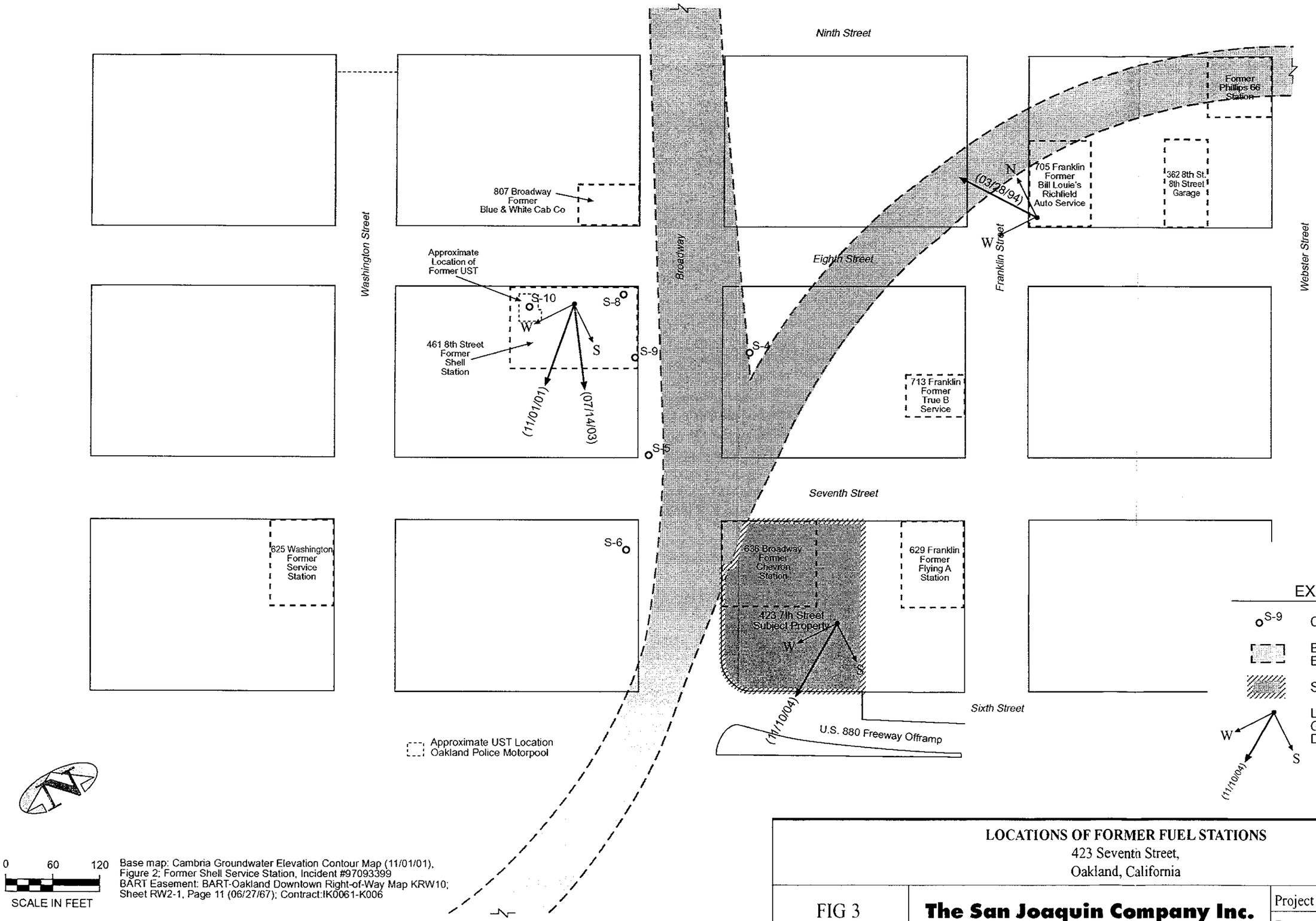


EXPLANATION

- B-1 Treadwell & Rollo Monitoring Well
- B-4 Treadwell & Rollo Boring
- B-12 BART Soil Boring

NOTE:
Wells B-1 and B-2 are located in the basement garage.

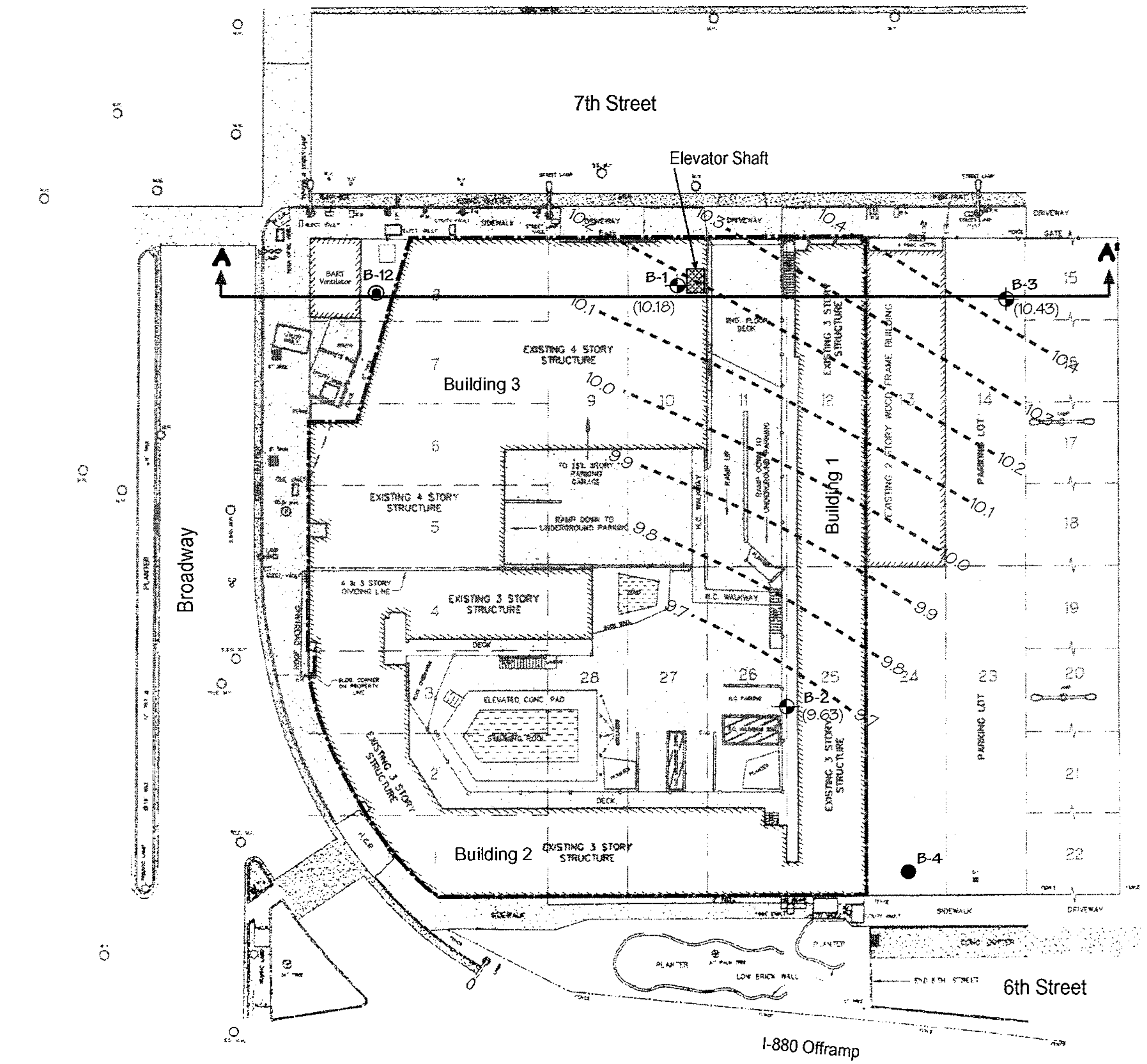
SITE PLAN 423 Seventh Street, Oakland, California		
FIG 2	The San Joaquin Company Inc.	Project Number: 0004.095 Drawn by: GNM — Date: 01/25/05



Base map: Cambria Groundwater Elevation Contour Map (11/01/01), Figure 2; Former Shell Service Station, Incident #97093399
BART Easement: BART-Oakland Downtown Right-of-Way Map KRW10; Sheet RW2-1, Page 11 (06/27/67); Contract:IK0061-K006

LOCATIONS OF FORMER FUEL STATIONS
423 Seventh Street,
Oakland, California

FIG 3	**The San Joaquin Company Inc.**	Project Number: 0004.095	
		Drawn by: GNM	Date: 01/25/05



EXPLANATION

B-1	Treadwell & Rollo Monitoring Well
B-4	Treadwell & Rollo Boring
B-12	BART Soil Boring
(10.18)	Groundwater Elevation (ft. MSL)
10.0 - - - -	Groundwater Contour (11/10/04)

NOTE:
Wells B-1 and B-2 are located in the basement garage.

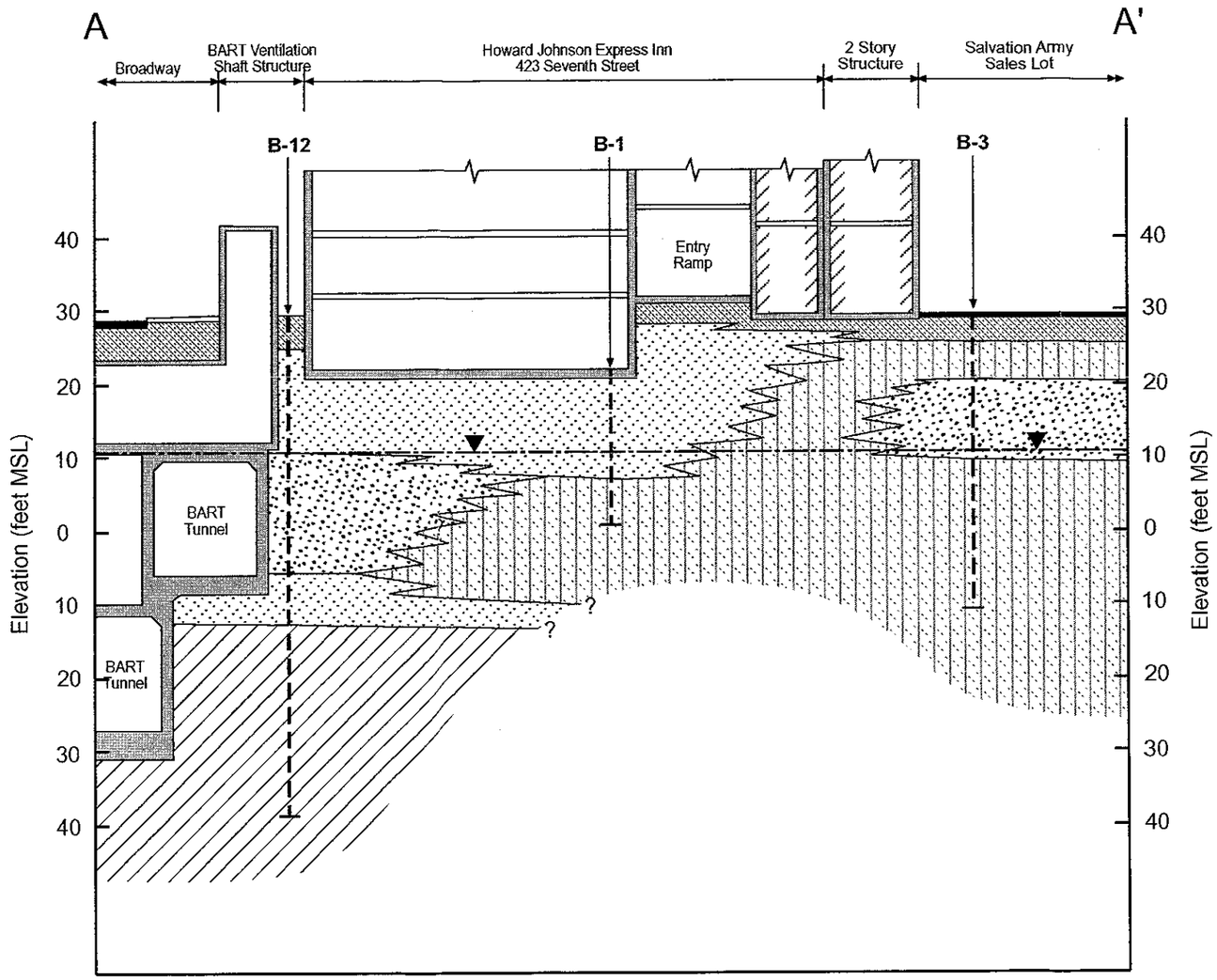
0 20 40
SCALE IN FEET

GROUNDWATER CONTOURS (11/10/04)
423 Seventh Street,
Oakland, California

FIG 4

The San Joaquin Company Inc.

Project Number: 0004.095
Drawn by: GNM | Date: 01/25/05



EXPLANATION

- Silty Clay
- Clayey Sand
- Sand with Silt
- Silty Sand
- Fill
- Bituminous Macadam
- Water Table (11/10/04)

0 40 80

HORIZONTAL SCALE IN FEET

CROSS SECTION A-A'
423 Seventh Street
Oakland, California

FIG 5	**The San Joaquin Company Inc.**	Project Number: 0004.095	
		Drawn by: GNM	Date: 01/25/05

Appendix A

BORING LOGS

PROJECT: 8 ORCHIDS
Oakland, California

Log of Boring B-1

Boring location: See Site Plan, Figure 2 | Logged by: C. Tan

Date started: 11/5/04 | Date finished: 11/5/04

Drilling method: 6" Hollow Stem Auger, Portable Rig

Hammer weight/drop: 70 lbs./30-inches | Hammer type: Safety Hammer

Sampler: Standard Penetration Test (SPT) with Liners

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Well Construction	Laboratory Test Data: Fines %	Laboratory Test Data: Natural Moisture Content, %	Laboratory Test Data: Dry Density Lbs/Cu Ft
					Ground Surface Elevation: 19.3 feet[2]				
0					6-inch Concrete Slab				
1				SM	SILTY SAND (SM) yellow-brown, medium dense, moist	Light Duty Well-Head Box			
2	SPT		12			Portland Cement Grout Seal	20.7	10.8	115
3									
4						Bentonite Seal			
5	SPT		18					12.6	117
6									
7									
8									
9						No. 2 Monterey Sand Filter Pack			
10	SPT		15		▼ 11/12/04			16.9	117
11									
12						2in. Dia PVC Well Casing with 0.02-in. Aperture Machine-cut Slots			
13									
14									
15					▽ (1:30 PM, 11/15/04)				
16	SPT		38	SP-SM	SAND with SILT (SP-SM) brown, dense, wet				
17									
18									
19									
20	SPT		25/6"		grading very dense	Threaded Casing Cap			
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

Boring terminated at a depth of 21 feet below ground surface.
Boring backfilled with cement grout.
Groundwater encountered at a depth of 15 feet during drilling.
2" monitoring well installed in boring.

[1] SPT blow counts converted to SPT N-Values using a factor of 0.5.
[2] Elevations based on City of Oakland datum (COD).

Treadwell&Rollo

Project No.: 0004.095 | Figure:

TEST GEOTECH LOG 403401.GPJ TR.GDT 12/15/04

From Treadwell & Rollo; Project No. 4034.01, Fig. A-1 —— Well Construction Details added by SJC

PROJECT: **8 ORCHIDS**
Oakland, California

Log of Boring B-2

Boring location: See Site Plan, Figure 2 | Logged by: C. Tan

Date started: 11/4/04 | Date finished: 11/4/04

Drilling method: 6" Hollow Stem Auger, Portable Rig

Hammer weight/drop: 70 lbs./30-inches | Hammer type: Safety Hammer

Sampler: Standard Penetration Test (SPT) with Liners

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Well Construction	Laboratory Test Data: Fines %	Laboratory Test Data: Natural Moisture Content, %	Laboratory Test Data: Dry Density Lbs/Cu Ft
					Ground Surface Elevation: 20 feet[2]				
0					6-inch Concrete Slab				
1–2				SM	SILTY SAND (SM) yellow-brown, medium dense, moist	Light Duty Well-Head Box			
3	SPT		27			Portland Cement Grout Seal	21.4	11.0	108
4						Bentonite Seal			
5–6	SPT		19						
7–9					▼ 11/12/04	No. 2 Monterey Sand Filter Pack			
10				SC	CLAYEY SAND (SC) yellow-brown, medium dense, moist				
11	SPT		18						
12–14									
15					▽ (1:30 PM, 11/04/04) grading dense, wet				
16	SPT		43			2in. Dia PVC Well Casing with 0.02-in. Aperture Machine-cut Slots		19.5	111
17–19									
20				SP-SM	SAND with SILT (SP-SM) brown, very dense, wet				
21	SPT		25/6"					18.1	109
22–24									
25									
26	SPT		25/5"			Threaded Casing Cap			
27–30									

TEST GEOTECH LOG 403401.GPJ TR.GDT 12/16/04

Treadwell&Rollo

Project No.: 0004.095 | Figure:

From Treadwell & Rollo; Project No. 4034.01, Fig. A-2a——Well Construction Details added by SJC

PROJECT: **8 ORCHIDS**
Oakland, California

Log of Boring B-2

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Well Construction	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		25/ 3"	SP-SM	SAND with SILT (SP-SM) (continued)				
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
60									

Boring terminated at a depth of 31.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater encountered at a depth of 15 feet during drilling.
2" monitoring well installed in boring.

[1] SPT blow counts converted to SPT N-Values using a factor of 0.5.
[2] Elevations based on City of Oakland datum (COD).

Treadwell&Rollo

Project No.: 0004.095
Figure:

TEST GEOTECH LOG 403401.GPJ TR.GDT 12/16/04

From Treadwell & Rollo; Project No. 4034.01, Fig. A-2b——Well Construction Details added by SJC

PROJECT: **8 ORCHIDS**
Oakland, California

Log of Boring B-3

Boring location: See Site Plan, Figure 2 | Logged by: C. Tan

Date started: 11/4/04 | Date finished: 11/4/04

Drilling method: 8" Hollow Stem Auger, CME-75

Hammer weight/drop: 140 lbs./30-inches | Hammer type: Automatic Hammer

Sampler: Standard Penetration Test (SPT) with Liners

Ground Surface Elevation: 26.6 feet [2]

DEPTH (feet)	Sampler Type	Sample	SPT N-Value [1]	LITHOLOGY	MATERIAL DESCRIPTION	Well Construction	Laboratory Test Data: Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
1				SM	1-1/2-inches Asphalt Concrete (AC) over 5-inches Aggregate Base (AB)				
2	SPT		13		SILTY SAND (SM) yellow-brown, medium dense, moist, with trace fine gravel	FILL		13.6	109
3									
4									
5				SP-SM	SAND with SILT (SP-SM) yellow-brown, dense, moist	Light Duty Well-Head Box			
6	SPT		32			Portland Cement Grout Seal		14.6	115
7									
8						Bentonite Seal			
9									
10				SC	CLAYEY SAND (SC) yellow-brown, dense, moist				
11	SPT		38		11/12/04	No. 2 Monterey Sand Filter Pack	21.5	11.6	115
12									
13									
14									
15									
16	SPT		32			2in. Dia PVC Well Casing with 0.02-in. Aperture Machine-cut Slots		13.4	118
17									
18									
19									
20					(8:20 AM, 11/04/04)				
21	SPT		59		SAND with SILT (SP-SM) brown, very dense, wet			18.9	111
22									
23									
24				SP-SM	color change to olive-brown				
25									
26	SPT		64						
27									
28									
29									
30									

Treadwell&Rollo

Project No.: 0004.095 | Figure:

TEST GEOTECH LOG 403401.GPJ TR.GDT 12/20/04

From Treadwell & Rollo; Project No. 4034.01, Fig. A-3a——Well Construction Details added by SJC

PROJECT: **8 ORCHIDS**
Oakland, California

Log of Boring B-3

DEPTH (feet)	Sampler Type	Sample	SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Well Construction	Laboratory Test Data: Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		67	SP-SM	sand heaving into augers				
32									
33									
34									
35									
36	SPT		23						
37									
38									
39	SPT		109			Threaded Casing Cap			
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
60									

Boring terminated at a depth of 40 feet below ground surface.
Boring backfilled with cement grout.
Groundwater encountered at a depth of 20 feet during drilling.
2" monitoring well installed in boring.

[1] SPT blow counts converted to SPT N-Values using a factor of 0.5.
[2] Elevations based on City of Oakland datum (COD).

Treadwell&Rollo

Project No.: 0004.095
Figure:

TEST GEOTECH LOG 403401.GPJ TR.GDT 12/20/04

From Treadwell & Rollo; Project No. 4034.01, Fig. A-3b——Well Construction Details added by SJC

PROJECT: **8 ORCHIDS**
Oakland, California

Log of Boring B-4

Boring location: See Site Plan, Figure 2 | Logged by: C. Tan

Date started: 11/4/04 | Date finished: 11/4/04

Drilling method: 8" Hollow Stem Auger, CME-75

Hammer weight/drop: 140 lbs./30-inches | Hammer type: Automatic Hammer

Sampler: Standard Penetration Test (SPT) with Liners

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
					Ground Surface Elevation: 23.8 feet[2]						
0					1-1/2-inches Asphalt Concrete (AC) over 5-inches Aggregate Base (AB)						
1					SILTY SAND (SM) yellow-brown, medium dense, moist						
2											
3	SPT		12								
4											
5											
6	SPT		22								
7											
8											
9					grading dense						
10											
11	SPT		37						19.6	13.9	
12				SM							
13											
14											
15					grading medium dense						
16	SPT		26								
17											
18					▽ (11:30 AM, 11/04/04)						
19											
20					color change to gray-brown						
21	SPT		25								
22											
23											
24					SAND with SILT (SP-SM) olive-brown, very dense, wet						
25											
26	SPT		68	SP-SM						19.5	108
27											
28											
29											
30											

TEST GEOTECH LOG 403401.GPJ TR.GDT 12/2004

Treadwell&Rollo

Project No.: 0004.095 | Figure:

From Treadwell & Rollo; Project No. 4034.01, Fig. A-4a

PROJECT: **8 ORCHIDS**
Oakland, California

Log of Boring B-4

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		71								
32											
33					encountered hard drilling at 33 feet						
34	SPT		83								
35				SP-SM							
36											
37											
38											
39	SPT		97								
40											
41											
42											
43											
44											
45											
46											
47											
48											
49											
50											
51											
52											
53											
54											
55											
56											
57											
58											
59											
60											

Boring terminated at a depth of 40 feet below ground surface.
Boring backfilled with cement grout.
Groundwater encountered at a depth of 20 feet during drilling.

[1] SPT blow counts converted to SPT N-Values using a factor of 0.5.
[2] Elevations based on City of Oakland datum (COD).

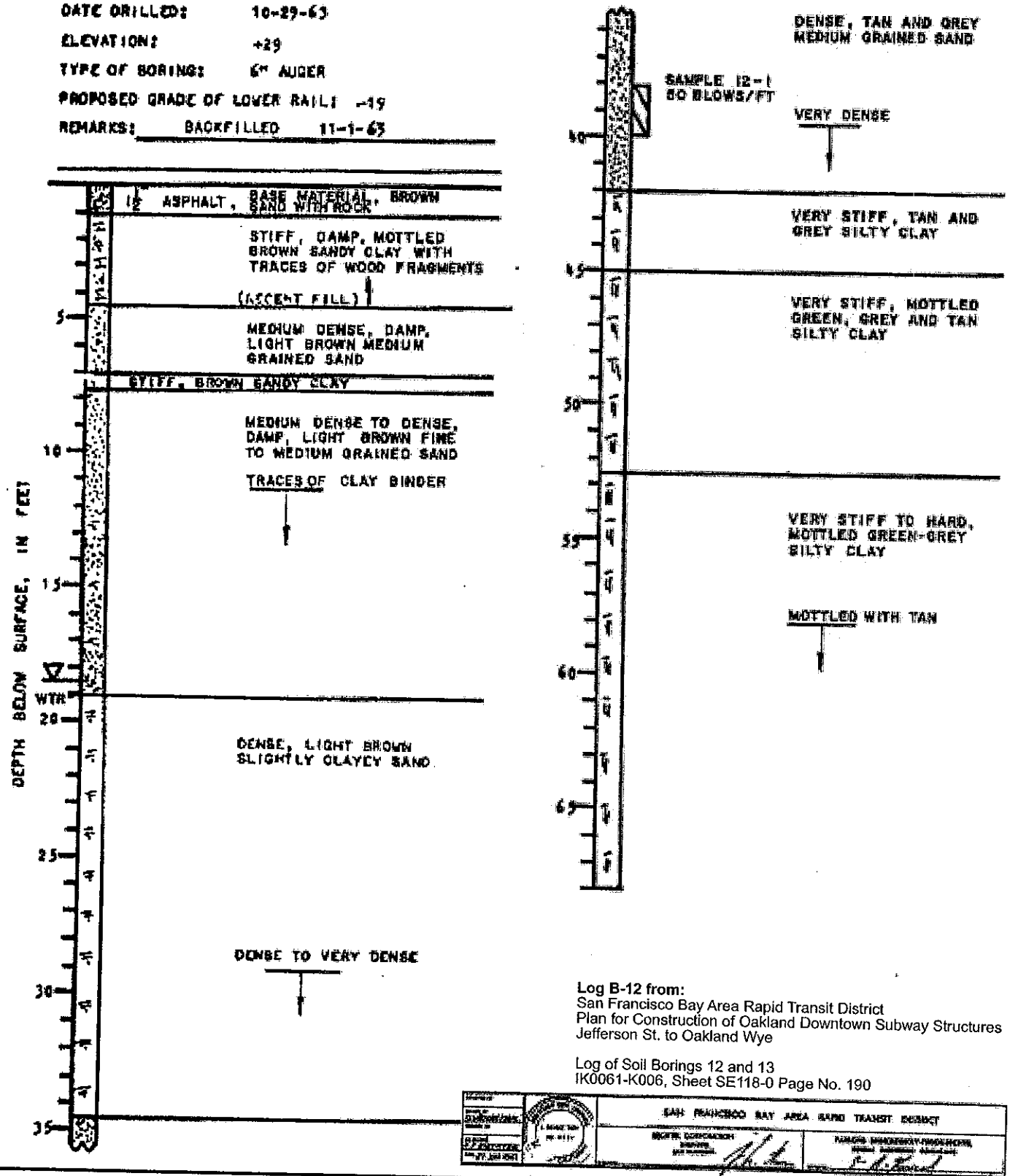
Treadwell&Rollo

Project No.: 0004.095
Figure:

TEST GEOTECH LOG 403401.GPJ TR.GDT 12/2004

From Treadwell & Rollo; Project No. 4034.01, Fig. A-4b

BORING NUMBER: K001 - 12
LOCATION: CHEVRON STATION - BROADWAY
DATE DRILLED: 10-29-63
ELEVATION: +29
TYPE OF BORING: 6" AUGER
PROPOSED GRADE OF LOWER RAIL: -19
REMARKS: BACKFILLED 11-1-63



Log B-12 from:
San Francisco Bay Area Rapid Transit District
Plan for Construction of Oakland Downtown Subway Structures
Jefferson St. to Oakland Wye

Log of Soil Borings 12 and 13
IK0061-K006, Sheet SE118-0 Page No. 190

LOG OF BART SOIL BORING 12

423 Seventh Street, Oakland, California

The San Joaquin Company Inc.

Project Number: 0004.095
Drawn by: GNM | Date: 01/10/05

Appendix B

FIELD NOTES

Field Notes 11/12/2004

Groundwater Sampling
423 Seventh Street, Oakland, California

Well No.	Date	Depth to GW ft.	pH	Temperature ^{0}C	Conductivity µmhos/cm
B-1	11/12/04	11.66	7.00	20.4	682
			6.88	20.6	666
			6.44	20.7	649
B-2	11/12/04	13.03	8.13	20.5	1225
			7.29	19.9	1354
			6.69	19.8	1399
			6.67	19.6	1395
B-3	11/12/04	18.83	7.08	21.6	1339
			6.80	21.5	1291
			7.89	22.0	1385
			6.95	21.9	1288
			6.74	21.4	1263

SJC

Appendix C

LABORATORY CERTIFICATES OF ANALYSIS

SEVERN TRENT STL

Submission#: 2004-11-0215

San Joaquin Company, Inc.

November 16, 2004

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459

Attn.: Dai Watkins

Project#: 00004.082
Project: Bay Rock - 423 7th St., Oakland (8 Orchids)

Dear Dai,

Attached is our report for your samples received on 11/05/2004 17:00
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 12/20/2004 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: ssidhu@stl-inc.com

Sincerely,

Surinder Sidhu

Surinder Sidhu
Project Manager

SEVERN TRENT STL

Submission: 2004-11-0215

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-3-2.5	11/04/2004	Soil	1
B-3-5.5	11/04/2004	Soil	2
B-3-10.5	11/04/2004	Soil	3
B-3-15.5	11/04/2004	Soil	4
B-3-20.5	11/04/2004	Soil	5
B-3-25.5	11/04/2004	Soil	6
B-3-30.5	11/04/2004	Soil	7
B-3-35.5	11/04/2004	Soil	8
B-3-39	11/04/2004	Soil	9
B-4-2.5	11/04/2004	Soil	10
B-4-5.5	11/04/2004	Soil	11
B-4-10.5	11/04/2004	Soil	12
B-4-20.5	11/04/2004	Soil	13
B-4-25.5	11/04/2004	Soil	14
B-4-30.5	11/04/2004	Soil	15
B-4-33.5	11/04/2004	Soil	16
B-4-39	11/04/2004	Soil	17
B-2-2.5	11/04/2004	Soil	18
B-2-5.5	11/04/2004	Soil	19
B-2-10.5	11/04/2004	Soil	20
B-2-15.5	11/04/2004	Soil	21
B-4-15.5	11/04/2004	Soil	22
B-2-20.5	11/04/2004	Soil	23
B-2-25.5	11/04/2004	Soil	24
B-2-30.5	11/04/2004	Soil	25
B-1-2.5	11/04/2004	Soil	26
B-1-5.5	11/04/2004	Soil	27
B-1-10.5	11/04/2004	Soil	28
B-1-15.5	11/04/2004	Soil	29
B-1-20.5	11/04/2004	Soil	30

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-3-2.5**	Lab ID:	2004-11-0215 - 1
Sampled:	11/04/2004	Extracted:	11/11/2004 16:51
Matrix:	Soil	QC Batch#:	2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/11/2004 16:51	
Benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 16:51	
Toluene	ND	0.0050	mg/Kg	1.00	11/11/2004 16:51	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 16:51	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/11/2004 16:51	
Surrogate(s)						
Trifluorotoluene	105.7	53-125	%	1.00	11/11/2004 16:51	
4-Bromofluorobenzene-FID	102.8	58-124	%	1.00	11/11/2004 16:51	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-3-5.5**	Lab ID:	2004-11-0215 - 2
Sampled:	11/04/2004	Extracted:	11/11/2004 14:04
Matrix:	Soil	QC Batch#:	2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/11/2004 14:04	
Benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 14:04	
Toluene	ND	0.0050	mg/Kg	1.00	11/11/2004 14:04	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 14:04	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/11/2004 14:04	
Surrogate(s)						
Trifluorotoluene	100.3	53-125	%	1.00	11/11/2004 14:04	
4-Bromofluorobenzene-FID	94.8	58-124	%	1.00	11/11/2004 14:04	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: **B-3-10.5**

Lab ID: 2004-11-0215 - 3

Sampled: 11/04/2004

Extracted: 11/11/2004 17:24

Matrix: Soil

QC Batch#: 2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/11/2004 17:24	
Benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 17:24	
Toluene	ND	0.0050	mg/Kg	1.00	11/11/2004 17:24	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 17:24	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/11/2004 17:24	
Surrogate(s)						
Trifluorotoluene	98.9	53-125	%	1.00	11/11/2004 17:24	
4-Bromofluorobenzene-FID	100.1	58-124	%	1.00	11/11/2004 17:24	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: **B-3-15.5**

Lab ID: 2004-11-0215 - 4

Sampled: 11/04/2004

Extracted: 11/11/2004 19:04

Matrix: Soil

QC Batch#: 2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/11/2004 19:04	
Benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 19:04	
Toluene	ND	0.0050	mg/Kg	1.00	11/11/2004 19:04	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 19:04	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/11/2004 19:04	
Surrogate(s)						
Trifluorotoluene	102.0	53-125	%	1.00	11/11/2004 19:04	
4-Bromofluorobenzene-FID	101.2	58-124	%	1.00	11/11/2004 19:04	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: **B-3-20.5**

Lab ID: 2004-11-0215 - 5

Sampled: 11/04/2004

Extracted: 11/11/2004 19:37

Matrix: Soil

QC Batch#: 2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/11/2004 19:37	
Benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 19:37	
Toluene	ND	0.0050	mg/Kg	1.00	11/11/2004 19:37	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 19:37	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/11/2004 19:37	
Surrogate(s)						
Trifluorotoluene	103.4	53-125	%	1.00	11/11/2004 19:37	
4-Bromofluorobenzene-FID	101.4	58-124	%	1.00	11/11/2004 19:37	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: **B-3-25.5**

Lab ID: 2004-11-0215 - 6

Sampled: 11/04/2004

Extracted: 11/11/2004 20:11

Matrix: Soil

QC Batch#: 2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/11/2004 20:11	
Benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 20:11	
Toluene	ND	0.0050	mg/Kg	1.00	11/11/2004 20:11	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 20:11	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/11/2004 20:11	
Surrogate(s)						
Trifluorotoluene	102.4	53-125	%	1.00	11/11/2004 20:11	
4-Bromofluorobenzene-FID	102.4	58-124	%	1.00	11/11/2004 20:11	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: **B-3-30.5**

Lab ID: 2004-11-0215 - 7

Sampled: 11/04/2004

Extracted: 11/11/2004 20:44

Matrix: Soil

QC Batch#: 2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/11/2004 20:44	
Benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 20:44	
Toluene	ND	0.0050	mg/Kg	1.00	11/11/2004 20:44	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 20:44	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/11/2004 20:44	
Surrogate(s)						
Trifluorotoluene	101.6	53-125	%	1.00	11/11/2004 20:44	
4-Bromofluorobenzene-FID	103.3	58-124	%	1.00	11/11/2004 20:44	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-3-35.5**	Lab ID:	2004-11-0215 - 8
Sampled:	11/04/2004	Extracted:	11/11/2004 21:18
Matrix:	Soil	QC Batch#:	2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/11/2004 21:18	
Benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 21:18	
Toluene	ND	0.0050	mg/Kg	1.00	11/11/2004 21:18	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 21:18	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/11/2004 21:18	
Surrogate(s)						
Trifluorotoluene	101.5	53-125	%	1.00	11/11/2004 21:18	
4-Bromofluorobenzene-FID	102.8	58-124	%	1.00	11/11/2004 21:18	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: **B-3-39**

Lab ID: 2004-11-0215 - 9

Sampled: 11/04/2004

Extracted: 11/11/2004 21:51

Matrix: Soil

QC Batch#: 2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/11/2004 21:51	
Benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 21:51	
Toluene	ND	0.0050	mg/Kg	1.00	11/11/2004 21:51	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 21:51	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/11/2004 21:51	
Surrogate(s)						
Trifluorotoluene	99.7	53-125	%	1.00	11/11/2004 21:51	
4-Bromofluorobenzene-FID	98.1	58-124	%	1.00	11/11/2004 21:51	

SEVERN TRENT STL

Submission: 2004-11-0215

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: **B-4-2.5**

Lab ID: 2004-11-0215 - 10

Sampled: 11/04/2004

Extracted: 11/11/2004 22:24

Matrix: Soil

QC Batch#: 2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/11/2004 22:24	
Benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 22:24	
Toluene	ND	0.0050	mg/Kg	1.00	11/11/2004 22:24	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 22:24	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/11/2004 22:24	
Surrogate(s)						
Trifluorotoluene	99.9	53-125	%	1.00	11/11/2004 22:24	
4-Bromofluorobenzene-FID	97.8	58-124	%	1.00	11/11/2004 22:24	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: **B-4-5.5**

Lab ID: 2004-11-0215 - 11

Sampled: 11/04/2004

Extracted: 11/11/2004 22:58

Matrix: Soil

QC Batch#: 2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/11/2004 22:58	
Benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 22:58	
Toluene	ND	0.0050	mg/Kg	1.00	11/11/2004 22:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 22:58	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/11/2004 22:58	
Surrogate(s)						
Trifluorotoluene	102.5	53-125	%	1.00	11/11/2004 22:58	
4-Bromofluorobenzene-FID	100.4	58-124	%	1.00	11/11/2004 22:58	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: **B-4-10.5**

Lab ID: 2004-11-0215 - 12

Sampled: 11/04/2004

Extracted: 11/11/2004 23:32

Matrix: Soil

QC Batch#: 2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/11/2004 23:32	
Benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 23:32	
Toluene	ND	0.0050	mg/Kg	1.00	11/11/2004 23:32	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/11/2004 23:32	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/11/2004 23:32	
Surrogate(s)						
Trifluorotoluene	101.4	53-125	%	1.00	11/11/2004 23:32	
4-Bromofluorobenzene-FID	100.9	58-124	%	1.00	11/11/2004 23:32	

SEVERN TRENT STL

Submission: 2004-11-0215

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: **B-4-20.5**

Lab ID: 2004-11-0215 - 13

Sampled: 11/04/2004

Extracted: 11/12/2004 00:05

Matrix: Soil

QC Batch#: 2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/12/2004 00:05	
Benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 00:05	
Toluene	ND	0.0050	mg/Kg	1.00	11/12/2004 00:05	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 00:05	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/12/2004 00:05	
Surrogate(s)						
Trifluorotoluene	104.0	53-125	%	1.00	11/12/2004 00:05	
4-Bromofluorobenzene-FID	101.3	58-124	%	1.00	11/12/2004 00:05	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-4-25.5**	Lab ID:	2004-11-0215 - 14
Sampled:	11/04/2004	Extracted:	11/12/2004 01:46
Matrix:	Soil	QC Batch#:	2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/12/2004 01:46	
Benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 01:46	
Toluene	ND	0.0050	mg/Kg	1.00	11/12/2004 01:46	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 01:46	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/12/2004 01:46	
Surrogate(s)						
Trifluorotoluene	99.2	53-125	%	1.00	11/12/2004 01:46	
4-Bromofluorobenzene-FID	98.0	58-124	%	1.00	11/12/2004 01:46	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-4-30.5**	Lab ID:	2004-11-0215 - 15
Sampled:	11/04/2004	Extracted:	11/12/2004 02:20
Matrix:	Soil	QC Batch#:	2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/12/2004 02:20	
Benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 02:20	
Toluene	ND	0.0050	mg/Kg	1.00	11/12/2004 02:20	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 02:20	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/12/2004 02:20	
Surrogate(s)						
Trifluorotoluene	100.2	53-125	%	1.00	11/12/2004 02:20	
4-Bromofluorobenzene-FID	96.3	58-124	%	1.00	11/12/2004 02:20	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-4-33.5**	Lab ID:	2004-11-0215 - 16
Sampled:	11/04/2004	Extracted:	11/12/2004 02:53
Matrix:	Soil	QC Batch#:	2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/12/2004 02:53	
Benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 02:53	
Toluene	ND	0.0050	mg/Kg	1.00	11/12/2004 02:53	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 02:53	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/12/2004 02:53	
Surrogate(s)						
Trifluorotoluene	101.2	53-125	%	1.00	11/12/2004 02:53	
4-Bromofluorobenzene-FID	102.5	58-124	%	1.00	11/12/2004 02:53	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-4-39**	Lab ID:	2004-11-0215 - 17
Sampled:	11/04/2004	Extracted:	11/12/2004 03:27
Matrix:	Soil	QC Batch#:	2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/12/2004 03:27	
Benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 03:27	
Toluene	ND	0.0050	mg/Kg	1.00	11/12/2004 03:27	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 03:27	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/12/2004 03:27	
Surrogate(s)						
Trifluorotoluene	102.9	53-125	%	1.00	11/12/2004 03:27	
4-Bromofluorobenzene-FID	98.5	58-124	%	1.00	11/12/2004 03:27	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-2-2.5**	Lab ID:	2004-11-0215 - 18
Sampled:	11/04/2004	Extracted:	11/12/2004 04:00
Matrix:	Soil	QC Batch#:	2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/12/2004 04:00	
Benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 04:00	
Toluene	ND	0.0050	mg/Kg	1.00	11/12/2004 04:00	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 04:00	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/12/2004 04:00	
Surrogate(s)						
Trifluorotoluene	100.9	53-125	%	1.00	11/12/2004 04:00	
4-Bromofluorobenzene-FID	106.5	58-124	%	1.00	11/12/2004 04:00	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-2-5.5**	Lab ID:	2004-11-0215 - 19
Sampled:	11/04/2004	Extracted:	11/12/2004 04:34
Matrix:	Soil	QC Batch#:	2004/11/11-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/12/2004 04:34	
Benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 04:34	
Toluene	ND	0.0050	mg/Kg	1.00	11/12/2004 04:34	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/12/2004 04:34	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/12/2004 04:34	
Surrogate(s)						
Trifluorotoluene	99.0	53-125	%	1.00	11/12/2004 04:34	
4-Bromofluorobenzene-FID	93.7	58-124	%	1.00	11/12/2004 04:34	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-4-15.5**	Lab ID:	2004-11-0215 - 22
Sampled:	11/04/2004	Extracted:	11/15/2004 04:25
Matrix:	Soil	QC Batch#:	2004/11/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/15/2004 04:25	
Benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 04:25	
Toluene	ND	0.0050	mg/Kg	1.00	11/15/2004 04:25	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 04:25	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/15/2004 04:25	
Surrogate(s)						
Trifluorotoluene	92.3	53-125	%	1.00	11/15/2004 04:25	
4-Bromofluorobenzene-FID	71.5	58-124	%	1.00	11/15/2004 04:25	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-2-20.5**	Lab ID:	2004-11-0215 - 23
Sampled:	11/04/2004	Extracted:	11/15/2004 04:58
Matrix:	Soil	QC Batch#:	2004/11/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/15/2004 04:58	
Benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 04:58	
Toluene	ND	0.0050	mg/Kg	1.00	11/15/2004 04:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 04:58	
Xylene(s)	0.015	0.0050	mg/Kg	1.00	11/15/2004 04:58	
Surrogate(s)						
Trifluorotoluene	87.1	53-125	%	1.00	11/15/2004 04:58	
Trifluorotoluene-FID	83.0	53-125	%	1.00	11/15/2004 04:58	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-2-25.5**	Lab ID:	2004-11-0215 - 24
Sampled:	11/04/2004	Extracted:	11/15/2004 05:30
Matrix:	Soil	QC Batch#:	2004/11/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/15/2004 05:30	
Benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 05:30	
Toluene	ND	0.0050	mg/Kg	1.00	11/15/2004 05:30	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 05:30	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/15/2004 05:30	
Surrogate(s)						
Trifluorotoluene	87.1	53-125	%	1.00	11/15/2004 05:30	
4-Bromofluorobenzene-FID	91.3	58-124	%	1.00	11/15/2004 05:30	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-2-30.5**	Lab ID:	2004-11-0215 - 25
Sampled:	11/04/2004	Extracted:	11/15/2004 06:03
Matrix:	Soil	QC Batch#:	2004/11/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/15/2004 06:03	
Benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 06:03	
Toluene	ND	0.0050	mg/Kg	1.00	11/15/2004 06:03	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 06:03	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/15/2004 06:03	
Surrogate(s)						
Trifluorotoluene	89.3	53-125	%	1.00	11/15/2004 06:03	
4-Bromofluorobenzene-FID	72.2	58-124	%	1.00	11/15/2004 06:03	

SEVERN TRENT STL

Submission: 2004-11-0215

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: **B-1-2.5**

Lab ID: 2004-11-0215 - 26

Sampled: 11/04/2004

Extracted: 11/15/2004 06:35

Matrix: Soil

QC Batch#: 2004/11/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/15/2004 06:35	
Benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 06:35	
Toluene	ND	0.0050	mg/Kg	1.00	11/15/2004 06:35	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 06:35	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/15/2004 06:35	
Surrogate(s)						
Trifluorotoluene	88.8	53-125	%	1.00	11/15/2004 06:35	
4-Bromofluorobenzene-FID	70.9	58-124	%	1.00	11/15/2004 06:35	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-1-10.5**	Lab ID:	2004-11-0215 - 28
Sampled:	11/04/2004	Extracted:	11/15/2004 07:40
Matrix:	Soil	QC Batch#:	2004/11/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/15/2004 07:40	
Benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 07:40	
Toluene	ND	0.0050	mg/Kg	1.00	11/15/2004 07:40	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 07:40	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/15/2004 07:40	
Surrogate(s)						
Trifluorotoluene	89.8	53-125	%	1.00	11/15/2004 07:40	
4-Bromofluorobenzene-FID	75.3	58-124	%	1.00	11/15/2004 07:40	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**B-1-15.5**	Lab ID:	2004-11-0215 - 29
Sampled:	11/04/2004	Extracted:	11/15/2004 08:13
Matrix:	Soil	QC Batch#:	2004/11/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/15/2004 08:13	
Benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 08:13	
Toluene	ND	0.0050	mg/Kg	1.00	11/15/2004 08:13	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 08:13	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/15/2004 08:13	
Surrogate(s)						
Trifluorotoluene	85.5	53-125	%	1.00	11/15/2004 08:13	
4-Bromofluorobenzene-FID	69.2	58-124	%	1.00	11/15/2004 08:13	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: **B-1-20.5**

Lab ID: 2004-11-0215 - 30

Sampled: 11/04/2004

Extracted: 11/15/2004 09:51

Matrix: Soil

QC Batch#: 2004/11/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/15/2004 09:51	
Benzene	ND	0.0050	mg/Kg	1.00	11/15/2004 09:51	
Toluene	ND	0.0050	mg/Kg	1.00	11/15/2004 09:51	
Ethyl benzene	0.0052	0.0050	mg/Kg	1.00	11/15/2004 09:51	
Xylene(s)	ND	0.0050	mg/Kg	1.00	11/15/2004 09:51	
Surrogate(s)						
4-Bromofluorobenzene	92.6	58-124	%	1.00	11/15/2004 09:51	
4-Bromofluorobenzene-FID	89.4	58-124	%	1.00	11/15/2004 09:51	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 5035
5035
Method Blank
MB: 2004/11/11-01.01-004

Soil

Test(s): 8015M
8021B
QC Batch # 2004/11/11-01.01
Date Extracted: 11/11/2004 12:23

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	11/11/2004 12:23	
Benzene	ND	0.0050	mg/Kg	11/11/2004 12:23	
Toluene	ND	0.0050	mg/Kg	11/11/2004 12:23	
Ethyl benzene	ND	0.0050	mg/Kg	11/11/2004 12:23	
Xylene(s)	ND	0.0050	mg/Kg	11/11/2004 12:23	
Surrogates(s)					
Trifluorotoluene	107.0	53-125	%	11/11/2004 12:23	
4-Bromofluorobenzene-FID	105.9	58-124	%	11/11/2004 12:23	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 5035
5035

Test(s): 8015M
8021B

Method Blank **Soil** **QC Batch # 2004/11/14-01.05**

MB: 2004/11/14-01.05-017

Date Extracted: 11/14/2004 20:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	11/14/2004 20:47	
Benzene	ND	0.0050	mg/Kg	11/14/2004 20:47	
Toluene	ND	0.0050	mg/Kg	11/14/2004 20:47	
Ethyl benzene	ND	0.0050	mg/Kg	11/14/2004 20:47	
Xylene(s)	ND	0.0050	mg/Kg	11/14/2004 20:47	
Surrogates(s)					
Trifluorotoluene	100.2	53-125	%	11/14/2004 20:47	
4-Bromofluorobenzene-FID	76.9	58-124	%	11/14/2004 20:47	

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2004/11/11-01.01

LCS 2004/11/11-01.01-005
LCSD

Extracted: 11/11/2004

Analyzed: 11/11/2004 12:57

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.0984		0.1000	98.4			77-123	35		
Toluene	0.101		0.1000	101.0			78-122	35		
Ethyl benzene	0.0998		0.1000	99.8			70-130	35		
Xylene(s)	0.297		0.300	99.0			75-125	35		
Surrogates(s)										
Trifluorotoluene	522		500	104.4			53-125			

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2004/11/11-01.01**

LCS 2004/11/11-01.01-006 Extracted: 11/11/2004 Analyzed: 11/11/2004 13:30
LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	0.521		0.500	104.2			75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	523		500	104.6			58-124			

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Laboratory Control Spike **Soil** **QC Batch # 2004/11/14-01.05**

LCS 2004/11/14-01.05-018 Extracted: 11/14/2004 Analyzed: 11/14/2004 21:20
LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.0957		0.1000	95.7			77-123	35		
Toluene	0.0902		0.1000	90.2			78-122	35		
Ethyl benzene	0.0866		0.1000	86.6			70-130	35		
Xylene(s)	0.271		0.300	90.3			75-125	35		
Surrogates(s)										
Trifluorotoluene	495		500	99.0			53-125			

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2004/11/14-01.05**

LCS 2004/11/14-01.05-019 Extracted: 11/14/2004 Analyzed: 11/14/2004 21:52
LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	0.513		0.500	102.6			75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	387		500	77.4			58-124			

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2004/11/11-01.01**

B-3-5.5 >> MS

Lab ID: 2004-11-0215 - 002

MS: 2004/11/11-01.01-008 Extracted: 11/11/2004

Analyzed: 11/11/2004 14:37

Dilution: 1.00

MSD: 2004/11/11-01.01-009 Extracted: 11/11/2004

Analyzed: 11/11/2004 15:10

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0882	0.0994	ND	0.0912	96.7	101.6	4.9	65-135	35		
Toluene	0.0888	0.0997	ND	0.0912	97.4	101.9	4.5	65-135	35		
Ethyl benzene	0.0893	0.0980	ND	0.0912	97.9	100.2	2.3	65-135	35		
Xylene(s)	0.263	0.291	ND	0.2736	96.1	99.0	3.0	65-135	35		
Surrogate(s)											
Trifluorotoluene	508	508		500	101.6	101.6		53-125			

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2004/11/11-01.01**

B-3-5.5 >> MS

Lab ID: 2004-11-0215 - 002

MS: 2004/11/11-01.01-010 Extracted: 11/11/2004 Analyzed: 11/11/2004 15:44
Dilution: 1.00

MSD: 2004/11/11-01.01-011 Extracted: 11/11/2004 Analyzed: 11/11/2004 16:18
Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	0.496	0.475	ND	0.486	102.1	100.4	1.7	65-135	35		
Surrogate(s)											
4-Bromofluorobenzene-FID	454	474		500	90.9	94.8		58-124			

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2004/11/14-01.05**

MS/MSD

Lab ID: 2004-11-0213 - 012

MS: 2004/11/14-01.05-021 Extracted: 11/14/2004

Analyzed: 11/14/2004 22:58

Dilution: 1.00

MSD: 2004/11/14-01.05-022 Extracted: 11/14/2004

Analyzed: 11/14/2004 23:31

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0878	0.0841	ND	0.0938	93.6	90.8	3.0	65-135	35		
Toluene	0.0835	0.0808	ND	0.0938	89.0	87.3	1.9	65-135	35		
Ethyl benzene	0.0887	0.0864	ND	0.0938	94.6	93.3	1.4	65-135	35		
Xylene(s)	0.244	0.236	ND	0.2814	86.7	84.9	2.1	65-135	35		
Surrogate(s)											
Trifluorotoluene	479	472		500	95.8	94.4		53-125			

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2004/11/14-01.05**

MS/MSD

Lab ID: 2004-11-0213 - 012

MS: 2004/11/14-01.05-023 Extracted: 11/15/2004

Analyzed: 11/15/2004 00:03

Dilution: 1.00

MSD: 2004/11/14-01.05-024 Extracted: 11/15/2004

Analyzed: 11/15/2004 00:36

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	0.480	0.492	ND	0.460	104.3	103.6	0.7	65-135	35		
Surrogate(s)											
4-Bromofluorobenzene-FID	382	382		500	76.3	76.4		58-124			

Gas/BTEX by 8015M/8021

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Legend and Notes

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

SEVERN TRENT STL

Submission: 2004-11-0215

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-3-2.5	11/04/2004	Soil	1
B-3-5.5	11/04/2004	Soil	2
B-3-10.5	11/04/2004	Soil	3
B-3-15.5	11/04/2004	Soil	4
B-3-20.5	11/04/2004	Soil	5
B-3-25.5	11/04/2004	Soil	6
B-3-30.5	11/04/2004	Soil	7
B-3-35.5	11/04/2004	Soil	8
B-3-39	11/04/2004	Soil	9
B-4-2.5	11/04/2004	Soil	10
B-4-5.5	11/04/2004	Soil	11
B-4-10.5	11/04/2004	Soil	12
B-4-20.5	11/04/2004	Soil	13
B-4-25.5	11/04/2004	Soil	14
B-4-30.5	11/04/2004	Soil	15
B-4-33.5	11/04/2004	Soil	16
B-4-39	11/04/2004	Soil	17
B-2-2.5	11/04/2004	Soil	18
B-2-5.5	11/04/2004	Soil	19
B-2-10.5	11/04/2004	Soil	20
B-2-15.5	11/04/2004	Soil	21
B-4-15.5	11/04/2004	Soil	22
B-2-20.5	11/04/2004	Soil	23
B-2-25.5	11/04/2004	Soil	24
B-2-30.5	11/04/2004	Soil	25
B-1-2.5	11/04/2004	Soil	26
B-1-5.5	11/04/2004	Soil	27
B-1-10.5	11/04/2004	Soil	28
B-1-15.5	11/04/2004	Soil	29
B-1-20.5	11/04/2004	Soil	30

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 3550/8015M
Sample ID: **B-3-2.5**
Sampled: 11/04/2004
Matrix: Soil

Test(s): 8015M
Lab ID: 2004-11-0215 - 1
Extracted: 11/10/2004 21:15
QC Batch#: 2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.5	1.0	mg/Kg	1.00	11/12/2004 02:43	Q2
Motor Oil	ND	50	mg/Kg	1.00	11/12/2004 02:43	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/12/2004 02:43	
Surrogate(s)						
o-Terphenyl	92.9	60-130	%	1.00	11/12/2004 02:43	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-3-5.5**	Lab ID:	2004-11-0215 - 2
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/12/2004 03:10	
Motor Oil	ND	50	mg/Kg	1.00	11/12/2004 03:10	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/12/2004 03:10	
Surrogate(s)						
o-Terphenyl	89.0	60-130	%	1.00	11/12/2004 03:10	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-3-10.5**	Lab ID:	2004-11-0215 - 3
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/11/2004 23:31	
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 23:31	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 23:31	
Surrogate(s)						
o-Terphenyl	95.5	60-130	%	1.00	11/11/2004 23:31	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-3-15.5**	Lab ID:	2004-11-0215 - 4
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/11/2004 23:58	
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 23:58	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 23:58	
Surrogate(s)						
o-Terphenyl	99.1	60-130	%	1.00	11/11/2004 23:58	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-3-20.5**	Lab ID:	2004-11-0215 - 5
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/12/2004 00:25	
Motor Oil	ND	50	mg/Kg	1.00	11/12/2004 00:25	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/12/2004 00:25	
Surrogate(s)						
o-Terphenyl	91.7	60-130	%	1.00	11/12/2004 00:25	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-3-25.5**	Lab ID:	2004-11-0215 - 6
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/12/2004 00:53	
Motor Oil	ND	50	mg/Kg	1.00	11/12/2004 00:53	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/12/2004 00:53	
Surrogate(s)						
o-Terphenyl	89.6	60-130	%	1.00	11/12/2004 00:53	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-3-30.5**	Lab ID:	2004-11-0215 - 7
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/12/2004 01:20	
Motor Oil	ND	50	mg/Kg	1.00	11/12/2004 01:20	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/12/2004 01:20	
Surrogate(s)						
o-Terphenyl	86.6	60-130	%	1.00	11/12/2004 01:20	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-3-35.5**	Lab ID:	2004-11-0215 - 8
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/12/2004 01:48	
Motor Oil	ND	50	mg/Kg	1.00	11/12/2004 01:48	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/12/2004 01:48	
Surrogate(s)						
o-Terphenyl	92.8	60-130	%	1.00	11/12/2004 01:48	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-3-39**	Lab ID:	2004-11-0215 - 9
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/12/2004 02:15	
Motor Oil	ND	50	mg/Kg	1.00	11/12/2004 02:15	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/12/2004 02:15	
Surrogate(s)						
o-Terphenyl	94.5	60-130	%	1.00	11/12/2004 02:15	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.

Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-4-2.5**	Lab ID:	2004-11-0215 - 10
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/12/2004 02:43	
Motor Oil	ND	50	mg/Kg	1.00	11/12/2004 02:43	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/12/2004 02:43	
Surrogate(s)						
o-Terphenyl	85.7	60-130	%	1.00	11/12/2004 02:43	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-4-5.5**	Lab ID:	2004-11-0215 - 11
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/12/2004 03:10	
Motor Oil	ND	50	mg/Kg	1.00	11/12/2004 03:10	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/12/2004 03:10	
Surrogate(s)						
o-Terphenyl	93.6	60-130	%	1.00	11/12/2004 03:10	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-4-25.5**	Lab ID:	2004-11-0215 - 14
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/11/2004 17:48	
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 17:48	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 17:48	
Surrogate(s)						
o-Terphenyl	86.6	60-130	%	1.00	11/11/2004 17:48	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 3550/8015M
Sample ID: **B-4-30.5**
Sampled: 11/04/2004
Matrix: Soil

Test(s): 8015M
Lab ID: 2004-11-0215 - 15
Extracted: 11/10/2004 21:15
QC Batch#: 2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/11/2004 18:14	
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 18:14	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 18:14	
Surrogate(s)						
o-Terphenyl	92.2	60-130	%	1.00	11/11/2004 18:14	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-4-33.5**	Lab ID:	2004-11-0215 - 16
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/11/2004 18:41	
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 18:41	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 18:41	
Surrogate(s)						
o-Terphenyl	85.3	60-130	%	1.00	11/11/2004 18:41	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 3550/8015M
Sample ID: **B-4-39**
Sampled: 11/04/2004
Matrix: Soil

Test(s): 8015M
Lab ID: 2004-11-0215 - 17
Extracted: 11/10/2004 21:15
QC Batch#: 2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/11/2004 19:08	
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 19:08	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 19:08	
Surrogate(s)						
o-Terphenyl	88.7	60-130	%	1.00	11/11/2004 19:08	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 3550/8015M
Sample ID: **B-2-2.5**
Sampled: 11/04/2004
Matrix: Soil

Test(s): 8015M
Lab ID: 2004-11-0215 - 18
Extracted: 11/10/2004 21:15
QC Batch#: 2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.7	1.0	mg/Kg	1.00	11/11/2004 19:35	Q2
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 19:35	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 19:35	
Surrogate(s)						
o-Terphenyl	84.7	60-130	%	1.00	11/11/2004 19:35	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 3550/8015M
Sample ID: **B-2-5.5**
Sampled: 11/04/2004
Matrix: Soil

Test(s): 8015M
Lab ID: 2004-11-0215 - 19
Extracted: 11/10/2004 21:15
QC Batch#: 2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	3.3	1.0	mg/Kg	1.00	11/11/2004 20:02	Q2
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 20:02	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 20:02	
Surrogate(s)						
o-Terphenyl	94.4	60-130	%	1.00	11/11/2004 20:02	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-2-10.5**	Lab ID:	2004-11-0215 - 20
Sampled:	11/04/2004	Extracted:	11/10/2004 21:15
Matrix:	Soil	QC Batch#:	2004/11/10-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/11/2004 21:49	
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 21:49	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 21:49	
Surrogate(s)						
o-Terphenyl	86.1	60-130	%	1.00	11/11/2004 21:49	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 3550/8015M
Sample ID: **B-2-15.5**
Sampled: 11/04/2004
Matrix: Soil

Test(s): 8015M
Lab ID: 2004-11-0215 - 21
Extracted: 11/11/2004 06:54
QC Batch#: 2004/11/11-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.6	1.0	mg/Kg	1.00	11/11/2004 20:18	Q2
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 20:18	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 20:18	
Surrogate(s)						
o-Terphenyl	88.5	60-130	%	1.00	11/11/2004 20:18	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 3550/8015M
Sample ID: **B-4-15.5**
Sampled: 11/04/2004
Matrix: Soil

Test(s): 8015M
Lab ID: 2004-11-0215 - 22
Extracted: 11/11/2004 06:54
QC Batch#: 2004/11/11-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/11/2004 20:46	
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 20:46	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 20:46	
Surrogate(s)						
o-Terphenyl	88.5	60-130	%	1.00	11/11/2004 20:46	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 3550/8015M
Sample ID: **B-2-20.5**
Sampled: 11/04/2004
Matrix: Soil

Test(s): 8015M
Lab ID: 2004-11-0215 - 23
Extracted: 11/11/2004 06:54
QC Batch#: 2004/11/11-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/11/2004 21:13	
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 21:13	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 21:13	
Surrogate(s)						
o-Terphenyl	83.8	60-130	%	1.00	11/11/2004 21:13	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-2-25.5**	Lab ID:	2004-11-0215 - 24
Sampled:	11/04/2004	Extracted:	11/11/2004 06:54
Matrix:	Soil	QC Batch#:	2004/11/11-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/11/2004 20:46	
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 20:46	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 20:46	
Surrogate(s)						
o-Terphenyl	88.0	60-130	%	1.00	11/11/2004 20:46	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 3550/8015M
Sample ID: **B-2-30.5**
Sampled: 11/04/2004
Matrix: Soil

Test(s): 8015M
Lab ID: 2004-11-0215 - 25
Extracted: 11/11/2004 06:54
QC Batch#: 2004/11/11-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/11/2004 21:13	
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 21:13	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 21:13	
Surrogate(s)						
o-Terphenyl	84.2	60-130	%	1.00	11/11/2004 21:13	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-1-2.5**	Lab ID:	2004-11-0215 - 26
Sampled:	11/04/2004	Extracted:	11/11/2004 06:54
Matrix:	Soil	QC Batch#:	2004/11/11-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	9.9	1.0	mg/Kg	1.00	11/11/2004 22:42	Q2
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 22:42	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 22:42	
Surrogate(s)						
o-Terphenyl	82.0	60-130	%	1.00	11/11/2004 22:42	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 3550/8015M
Sample ID: **B-1-5.5**
Sampled: 11/04/2004
Matrix: Soil

Test(s): 8015M
Lab ID: 2004-11-0215 - 27
Extracted: 11/11/2004 06:54
QC Batch#: 2004/11/11-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.4	1.0	mg/Kg	1.00	11/11/2004 23:09	Q2
Motor Oil	ND	50	mg/Kg	1.00	11/11/2004 23:09	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 23:09	
Surrogate(s)						
o-Terphenyl	85.8	60-130	%	1.00	11/11/2004 23:09	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-1-10.5**	Lab ID:	2004-11-0215 - 28
Sampled:	11/04/2004	Extracted:	11/11/2004 06:54
Matrix:	Soil	QC Batch#:	2004/11/11-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	41	1.0	mg/Kg	1.00	11/11/2004 23:36	Q2
Motor Oil	81	50	mg/Kg	1.00	11/11/2004 23:36	Q3
Hydraulic Oil	ND	50	mg/Kg	1.00	11/11/2004 23:36	
Surrogate(s)						
o-Terphenyl	87.2	60-130	%	1.00	11/11/2004 23:36	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-1-15.5**	Lab ID:	2004-11-0215 - 29
Sampled:	11/04/2004	Extracted:	11/11/2004 06:54
Matrix:	Soil	QC Batch#:	2004/11/11-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/12/2004 00:03	
Motor Oil	ND	50	mg/Kg	1.00	11/12/2004 00:03	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/12/2004 00:03	
Surrogate(s)						
o-Terphenyl	85.9	60-130	%	1.00	11/12/2004 00:03	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Prep(s): 3550/8015M
Sample ID: **B-1-20.5**
Sampled: 11/04/2004
Matrix: Soil

Test(s): 8015M
Lab ID: 2004-11-0215 - 30
Extracted: 11/11/2004 06:54
QC Batch#: 2004/11/11-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/12/2004 00:29	
Motor Oil	ND	50	mg/Kg	1.00	11/12/2004 00:29	
Hydraulic Oil	ND	50	mg/Kg	1.00	11/12/2004 00:29	
Surrogate(s)						
o-Terphenyl	85.7	60-130	%	1.00	11/12/2004 00:29	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.

Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 3550/8015M
Test(s): 8015M

Method Blank
Soil
QC Batch # 2004/11/10-06.10

MB: 2004/11/10-06.10-001
Date Extracted: 11/10/2004 21:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	11/12/2004 01:20	
Motor Oil	ND	50	mg/Kg	11/12/2004 01:20	
Hydraulic Oil	ND	50	mg/Kg	11/12/2004 01:20	
Surrogates(s)					
o-Terphenyl	92.2	60-130	%	11/12/2004 01:20	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 3550/8015M
Test(s): 8015M

Method Blank **Soil** **QC Batch # 2004/11/11-01.10**

MB: 2004/11/11-01.10-001
Date Extracted: 11/11/2004 06:54

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	11/11/2004 11:41	
Motor Oil	ND	50	mg/Kg	11/11/2004 11:41	
Hydraulic Oil	ND	50	mg/Kg	11/11/2004 11:41	
Surrogates(s)					
o-Terphenyl	90.7	60-130	%	11/11/2004 11:41	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2004/11/10-06.10**

LCS 2004/11/10-06.10-002 Extracted: 11/10/2004 Analyzed: 11/12/2004 01:48
LCSD 2004/11/10-06.10-003 Extracted: 11/10/2004 Analyzed: 11/12/2004 02:15

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	35.4	35.3	41.5	85.3	85.1	0.2	60-130	25		
Surrogates(s)										
o-Terphenyl	19.2	18.7	20.0	95.9	93.4		60-130	0		

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.

Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2004/11/11-01.10**

LCS 2004/11/11-01.10-002 Extracted: 11/11/2004 Analyzed: 11/11/2004 16:00
LCSD 2004/11/11-01.10-003 Extracted: 11/11/2004 Analyzed: 11/11/2004 16:27

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	29.2	29.1	40.7	71.7	70.0	2.4	60-130	25		
Surrogates(s)										
o-Terphenyl	16.9	16.6	20.0	84.7	83.0		60-130	0		

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2004/11/10-06.10**

B-3-2.5 >> MS

Lab ID: 2004-11-0215 - 001

MS: 2004/11/10-06.10-004 Extracted: 11/10/2004 Analyzed: 11/12/2004 04:30
Dilution: 1.00

MSD: 2004/11/10-06.10-005 Extracted: 11/10/2004 Analyzed: 11/12/2004 04:57
Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Diesel	34.7	36.9	1.55	41.2	80.5	86.2	6.8	60-130	25		
Surrogate(s)											
o-Terphenyl	19.3	19.1		20.0	96.5	95.4		60-130	0		

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2004/11/11-01.10**

B-2-15.5 >> MS

Lab ID: 2004-11-0215 - 021

MS: 2004/11/11-01.10-004 Extracted: 11/11/2004

Analyzed: 11/12/2004 00:56

Dilution: 1.00

MSD: 2004/11/11-01.10-005 Extracted: 11/11/2004

Analyzed: 11/12/2004 01:23

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Diesel	33.9	37.6	2.64	41.2	75.9	83.8	9.9	60-130	25		
Surrogate(s)											
o-Terphenyl	17.8	18.4		20.0	89.0	92.1		60-130	0		

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.

Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 00004.082
Bay Rock - 423 7th St., Oakland (8 Orchids)

Received: 11/05/2004 17:00

Legend and Notes

Result Flag

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

Q3

Quantit. of unknown hydrocarbon(s) in sample based on motor oil.

45466 PAGE 1 of 3

THE SAN JOAQUIN COMPANY INC.

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS RECORD

2004.11.0215

Transmit results to office checked below:

- ☐ 33233 South Koster Road, Tracy, CA 95304
  Voice: (209) 832-2910 Fax: (209) 833-1288
- ☑ 1120 Hollywood Ave. No. 3, Oakland, CA 94602
  Voice (510) 336-9118 Fax: (510) 336-9119

Laboratory: **STL San Francisco**
Carrier: The San Joaquin Company Inc.

Project: **Bay Rock - 423 7th. St Oakland (8 Orchids)**
Project No.: **0004.082** Project Mgr.: **DJW**
Sampling Team: **CT** (Treadwell and Rollo)

Waybill No.: n/a

Site Global I.D. No.: n/a

Sample Number	Type	Field Point	Depth to GW in ft	Casing Elev. in ft	Date Sampled	Time Sampled	Analyses Requested	Lab. No.
B-3-2.5	Soil	B3	N/A	TBD	11/04/04	N/A		
B-3-5.5	↓	"	↓	↓	↓	↓		
B-3-10.5		"						
B-3-15.5		"					Analyze all samples for: TPH(g)+BTEX TPH(d), Hydraulic Oil (Elevator Piston), Motor Oil Hold remainder of all samples following above analyses for further instructions	
B-3-20.5		"						
B-3-25.5		"						
B-3-30.5		"						
B-3-35.5		"						
B-3-39		"						
B-4-2.5		B4						
B-4-5.5	↓	"	↓	↓	↓	↓		

Sample Hazards: Low to high concentrations of fuel hydrocarbons including hydraulic oil

Priority: Routine ☑ Expedited ☐ Special ☐

Notes: Concentrations of Hydraulic Oil in some B1 samples may be very high (Samples have Treadwell and Rollo labels.)

CUSTODY RECORD	Print Name	Company	Date Received	Time Received	Date Relinquished	Time Relinquished	Signature
Originator:	Dai Watkins	San Joaquin Co	—	—	11/05/04	17:00	[signature]
Received/ Relinquished by:							
Received/ Relinquished by:							
Received/ Relinquished by:							
Received at Laboratory by:	M-VILLANUEVA	11/05/04	1700 → 11/05/04	—	—		[signature]

6°C

Rev. 11/03

95466 PAGE 2 of - 3

THE SAN JOAQUIN COMPANY INC.

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS RECORD

2004-11-0215

Transmit results to office checked below:

☐ 33233 South Koster Road, Tracy, CA 95304
Voice: (209) 832-2910 Fax: (209) 833-1288

☑ 1120 Hollywood Ave. No. 3, Oakland, CA 94602
Voice (510) 336-9118 Fax: (510) 336-9119

Project: **Bay Rock - 423 7th. St Oakland (8 Orchids)**
Project No.: **0004.082** Project Mgr.: **DJW**
Sampling Team: **CT** (Treadwell and Rollo)

Site Global I.D. No.: n/a

Laboratory: **STL San Francisco**
Carrier: The San Joaquin Company Inc.

Waybill No.: n/a

Sample Number	Type	Field Point	Depth to GW in ft.	Casing Elev. in ft.	Date Sampled	Time Sampled	Analyses Requested	Lab No.
B-4-10.5	Soil	B4	N/A	TBD	11/04/04	N/A	Analyze all samples for: TPH(g)+BTEX; TPH(d), Hydraulic Oil (Elevator Fluid), Motor Oil. Hold remainder of all samples following above analyses for further instructions.	
B-4-20.5		4						
B-4-25.5		4						
B-4-30.5		4						
B-4-33.5		4						
B-4-35		4						
B-2-2.5		B2						
B-2-5.5		11						
B-2-10.5		4						
B-2-15.5		1						
B-4-15.5		B4						

Sample Hazards: Low to high concentrations of fuel hydrocarbons including hydraulic oil

Priority: Routine ☑ Expedited ☐ Special ☐

Notes: Concentrations of Hydraulic Oil in some B1 samples may be very high (Samples have Treadwell and Rollo labels.)

CUSTODY RECORD	Print Name	Company	Date Received	Time Received	Date Relinquished	Time Relinquished	Signature
Originator:	Dai Watkins	San Joaquin Co	—	—	11/05/04	17:00	
Received/ Relinquished by:							
Received/ Relinquished by:							
Received at Laboratory by:	A. VILLANUEVA	STL SF	11/05/04	1700	—	—	

Rev. 11/03

45466 PAGE 2 OF 3

THE SAN JOAQUIN COMPANY INC.

Transmit results to office checked below:

☐ 33233 South Koster Road, Tracy, CA 95304
Voice: (209) 832-2910 Fax: (209) 833-1288

☑ 1120 Hollywood Ave. No. 3, Oakland, CA 94602
Voice (510) 336-9118 Fax: (510) 336-9119

Project: **Bay Rock - 423 7th. St Oakland (8 Orchids)**
Project No.: **0004.082** Project Mgr.: **DJW**
Sampling Team: **CT** (Treadwell and Rollo)
Site Global I.D. No.: n/a

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS RECORD

2004-11-0215

Laboratory: **STL San Francisco**
Carrier: The San Joaquin Company Inc.

Waybill No.: n/a

Sample Number	Type	Field Point	Depth to GW in ft	Casing Elev. in ft	Date Sampled	Time Sampled	Analyses Requested	Lab No.
B-2-20.5	Soil	~~B2~~ B2	N/A	TBD	11/04/04	N/A	Analyze all samples for: TPH(g), BTEX, TPH(d), Hydraulic Oil, Elevator Piston Motor Oil. Hold remainder of all samples following above analyses for further instructions.	
B2-25.5		"						
B2-30.5		"						
B1-2.5		B-1			11/05/04			
B1-5.5		↓			11/05/04			
B1-10.5					11/05/04			
B1-15.5		↓			11/05/04			
B-1-20.5	↓	B-1	↓	↓	↓	↓		

Sample Hazards: Low to high concentrations of fuel hydrocarbons including hydraulic oil **Priority**: Routine ☑ Expedited ☐ Special ☐

Notes: Concentrations of Hydraulic Oil in some B1 samples may be very high. Samples have Treadwell and Rollo labels.

CUSTODY RECORD	Print Name	Company	Date Received	Time Received	Date Relinquished	Time Relinquished	Signature
Originator:	Dai Watkins	San Joaquin Co	—	—	11/05/04	17:00	D. Watkins
Received/ Relinquished by:							
Received/ Relinquished by:							
Received at Laboratory by:	M.VILLANUEVA	STL SF	11/05/04	1700	—	—	

6°C

Rev. 11/03

SEVERN TRENT STL

Submission#: 2004-11-0537

San Joaquin Company, Inc.

November 18, 2004

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459

Attn.: Dai Watkins
Project: Bay Rock
Site: 423 7th St., Oakland (Orchids)

Dear Dai,

Attached is our report for your samples received on 11/05/2004 00:00
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 12/20/2004 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: ssidhu@stl-inc.com

Sincerely,

Surinder Sidhu

Surinder Sidhu
Project Manager

SEVERN TRENT STL

Submission: 2004-11-0537

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004

Site: 423 7th St., Oakland (Orchids)

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-1-2.5	11/04/2004	Soil	1
B-1-5.5	11/04/2004	Soil	2
B-1-10.5	11/04/2004	Soil	3
B-1-15.5	11/04/2004	Soil	4
B-1-20.5	11/04/2004	Soil	5
B-2-2.5	11/04/2004	Soil	6
B-2-5.5	11/04/2004	Soil	7
B-2-10.5	11/04/2004	Soil	8
B-2-15.5	11/04/2004	Soil	9
B-2-20.5	11/04/2004	Soil	10
B-2-25.5	11/04/2004	Soil	11
B-2-30.5	11/04/2004	Soil	12

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004
Site: 423 7th St., Oakland (Orchids)

Prep(s): 3050B
Sample ID: IB-12.5
Sampled: 11/04/2004
Matrix: Soil

Test(s): 6010B
Lab ID: 2004-11-0537 - 1
Extracted: 11/17/2004 09:59
QC Batch#: 2004/11/17-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.5	1.0	mg/Kg	1.00	11/18/2004 10:09	

SEVERN TRENT STL

Submission: 2004-11-0537

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004

Site: 423 7th St., Oakland (Orchids)

Prep(s): 3050B | Test(s): 6010B
Sample ID: B-1-5.5 | Lab ID: 2004-11-0537 - 2
Sampled: 11/04/2004 | Extracted: 11/17/2004 09:59
Matrix: Soil | QC Batch#: 2004/11/17-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.3	1.0	mg/Kg	1.00	11/18/2004 10:11	

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004
Site: 423 7th St., Oakland (Orchids)

Prep(s):	3050B	Test(s):	6010B
Sample ID:	B-1-10.5	Lab ID:	2004-11-0537-3
Sampled:	11/04/2004	Extracted:	11/17/2004 09:59
Matrix:	Soil	QC Batch#:	2004/11/17-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.0	1.0	mg/Kg	1.00	11/18/2004 10:13	

SEVERN TRENT STL

Submission: 2004-11-0537

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004
Site: 423 7th St., Oakland (Orchids)

Prep(s): 3050B
Test(s): 6010B
Sample ID: B-1-15.5
Lab ID: 2004-11-0537-4
Sampled: 11/04/2004
Extracted: 11/17/2004 09:59
Matrix: Soil
QC Batch#: 2004/11/17-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.2	1.0	mg/Kg	1.00	11/18/2004 10:15	

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004
Site: 423 7th St., Oakland (Orchids)

Prep(s):	3050B	Test(s):	6010B
Sample ID:	B-1520.5	Lab ID:	2004-11-0537 - 5
Sampled:	11/04/2004	Extracted:	11/17/2004 09:59
Matrix:	Soil	QC Batch#:	2004/11/17-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.3	1.0	mg/Kg	1.00	11/18/2004 10:18	

SEVERN TRENT STL

Submission: 2004-11-0537

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004
Site: 423 7th St., Oakland (Orchids)

Prep(s): 3050B
Sample ID: B-2-2.5
Sampled: 11/04/2004
Matrix: Soil

Test(s): 6010B
Lab ID: 2004-11-0537-6
Extracted: 11/17/2004 09:59
QC Batch#: 2004/11/17-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.4	1.0	mg/Kg	1.00	11/18/2004 10:20	

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004

Site: 423 7th St., Oakland (Orchids)

Prep(s):	3050B	Test(s):	6010B
Sample ID:	B-2-5.5	Lab ID:	2004-11-0537-7
Sampled:	11/04/2004	Extracted:	11/17/2004 09:59
Matrix:	Soil	QC Batch#:	2004/11/17-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.0	1.0	mg/Kg	1.00	11/18/2004 10:22	

SEVERN TRENT STL

Submission: 2004-11-0537

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004
Site: 423 7th St., Oakland (Orchids)

Prep(s): 3050B
Test(s): 6010B
Sample ID: B-2 10.5
Lab ID: 2004-11-0537-8
Sampled: 11/04/2004
Extracted: 11/17/2004 09:59
Matrix: Soil
QC Batch#: 2004/11/17-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.3	1.0	mg/Kg	1.00	11/18/2004 10:25	

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004

Site: 423 7th St., Oakland (Orchids)

Prep(s): 3050B | Test(s): 6010B

Sample ID: B-2-15.5 | Lab ID: 2004-11-0537-9

Sampled: 11/04/2004 | Extracted: 11/17/2004 09:59

Matrix: Soil | QC Batch#: 2004/11/17-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.5	1.0	mg/Kg	1.00	11/18/2004 10:42	

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004
Site: 423 7th St., Oakland (Orchids)

Prep(s):	3050B	Test(s):	6010B
Sample ID:	B-2-20.5	Lab ID:	2004-11-0537 - 10
Sampled:	11/04/2004	Extracted:	11/17/2004 09:59
Matrix:	Soil	QC Batch#:	2004/11/17-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.2	1.0	mg/Kg	1.00	11/18/2004 10:45	

SEVERN TRENT STL

Submission: 2004-11-0537

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004

Site: 423 7th St., Oakland (Orchids)

Prep(s):	3050B	Test(s):	6010B
Sample ID:	B-2 2.5	Lab ID:	2004-11-0537-11
Sampled:	11/04/2004	Extracted:	11/17/2004 09:59
Matrix:	Soil	QC Batch#:	2004/11/17-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.3	1.0	mg/Kg	1.00	11/18/2004 10:49	

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004

Site: 423 7th St., Oakland (Orchids)

Prep(s):	3050B	Test(s):	6010B
Sample ID:	B-2-30.5	Lab ID:	2004-11-0537-12
Sampled:	11/04/2004	Extracted:	11/17/2004 09:59
Matrix:	Soil	QC Batch#:	2004/11/17-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.1	1.0	mg/Kg	1.00	11/18/2004 10:52	

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004
Site: 423 7th St., Oakland (Orchids)

Batch QC Report

Prep(s): 3050B — Soil — Test(s): 6010B
Method Blank — QC Batch #: 2004/11/17-02.15
MB: 2004/11/17-02.15-038 — Date Extracted: 11/17/2004 09:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	11/18/2004 09:30	

SEVERN TRENT STL

Submission: 2004-11-0537

Total Lead

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: Bay Rock

Received: 11/05/2004

Site: 423 7th St., Oakland (Orchids)

Batch QC Report

Prep(s): 3050B Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2004/11/17-02.15**

LCS 2004/11/17-02.15-039 Extracted: 11/17/2004 Analyzed: 11/18/2004 09:33
LCSD 2004/11/17-02.15-040 Extracted: 11/17/2004 Analyzed: 11/18/2004 09:36

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Lead	99.8	99.8	100.0	99.8	99.8	0.0	80-120	20		

SEVERN TRENT STL

2004-11-0537

STL San Francisco

ADD ON/CHANGE ORDER

New Submission No.: _____

Reference No.: 95778

ORIGINAL SUBMISSION INFORMATION

Name of Caller: Dai Watkins

Bill To: _____

Client Name: San Joaquin Co.

Call Date: 11/17/04

Attn.: _____

Project Mgr: Dai Watkins

Add on Due Date: 11/24/04

Comments: _____

Project Name: Bay Rock - 423 7th St. Oakland (8 Orchids)

Project No.: _____

PO#: _____

Date Received: 11/05/04

Submission No.: 2004-11-0215

ANALYSIS REQUEST

Sample ID	Date	Time	Matrix	Prev. Sol. #	TPH: EPA - ☐ 8015B/8021 ☐ 8260B ☐ Gas w/ ☐ BTEX ☐ MTBE	Purgeable Aromatics (BTEX) EPA - ☐ 8021 ☐ 8260B	TEPH (EPA 8015M) ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other	Fuel Tags EPA 8260B: ☐ Gas ☐ BTEX ☐ Fire Chemicals ☐ DCA, EDB ☐ EtOH	Purgeable Halocarbons (HVOCs) EPA 8021 or 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil & Grease (EPA 1664) ☐ Petroleum ☐ Total	☐ Pesticides ☐ EPA 8081 ☐ 8085 ☐ PCBs ☐ EPA 8082 ☐ 8084	PAHs by ☐ 8270 ☐ 8310	CAM 17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other	Low Level Metals by EPA 200.8/6020 (ICP-MS)	W.E.T. (STLC) ☐ TCLP	Hexavalent Chromium pH (24h Hold time for H_2O)	Spec Conds: ☐ Alkalinity ☐ TSS	Anions: ☐ Cl, ☐ SO4, ☐ NO_3, ☐ F ☐ Br ☐ NO_2, ☐ PO_4				
B-1-2.5	11/4		S	26												X									
B-1-5.5				27												X									
B-1-10.5				28												X									
B-1-15.5				29												X									
B-1-20.5				30												X									
B-2-2.5				18												X									
B-2-5.5				19												X									
B-2-10.5				20												X									
B-2-15.5				21												X									
B-2-20.5				23												X									

SEVERN TRENT STL

2004-11-0537

STL San Francisco
ADD ON/CHANGE ORDER

New Submission No.:

Reference No.: 95778

ORIGINAL SUBMISSION INFORMATION

Name of Caller: Dai Watkins

Bill To:

Client Name: San Joaquin Co.

Call Date: 11/17/04

Attn.:

Project Mgr: Dai Watkins

Add on Due Date: 11/24/04

Comments:

Project Name: BAY ROCK - 423 7th St. Oakland (8 Orchids)

Project No.:

PO#:

Date Received: 11/05/04

Submission No.: 2004-11-0215

ANALYSIS REQUEST

Sample ID	Date	Time	Matrix	Prev. Spl. #	TPH EPA - ☐ 8015M/8021 ☐ 8260B ☐ Gas w/ ☐ BTEX ☐ MTBE	Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B	TEPH (EPA 8015M) ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other	Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Five Oxygenates ☐ DCA, EDB ☐ Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil & Grease ☐ Petroleum (EPA 1664) ☐ Total	☐ Pesticides ☐ EPA 8081 ☐ 608 ☐ PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM 17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other	Low Level Metals by EPA 200.8/6020 (ICP-MS)	W.E.T (STLC) ☐ TCLP ☐	Hexavalent Chromium ☐ pH (24h hold time for H_2O) ☐	Spec Cond. ☐ Alkalinity ☐ TSS ☐ TDS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4			
B-2-25.5	11/4/4		S	24												X								
B-2-30.5	↓		↓	25												X								

2004-11-0537

Sharma, Dimple

From: Dal Watkins [daiw@sanjoco.com]
Sent: Wednesday, November 17, 2004 8:46 AM
To: Sharma, Dimple
Cc: Brooke SJC
Subject: Submission Number 2004-11-0215

Dimple:

Submission Number 2004-11-0215

Please analyze the following samples from our Bay Rock - 423 7th. St. Oakland (8 Orchids) site for Total Lead

B-1-2.5
B-1-5.5
B-1-10.5
B-1-15.5
B-1-20.5

B-2-2.5
B-2-5.5
B-2-10.5
B-2-15.5
B-2-20.5
B-2-25.5
B-2-30.5

Dal Watkins
The San Joaquin Company Inc.

SEVERN TRENT STL

Submission#: 2004-11-0433

San Joaquin Company, Inc.

December 02, 2004

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459

Attn.: Dai Watkins

Project#: 0004.082
Project: Bay Rock
Site: 423 7th Street, Oakland (8 Orchids)

Dear Dai,

Attached is our report for your samples received on 11/12/2004 18:15
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 12/27/2004 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: ssidhu@stl-inc.com

Sincerely,

Surinder Sidhu

Surinder Sidhu
Project Manager

SEVERN TRENT STL

Submission: 2004-11-0433

Fuel Oxygenates by 8260B

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-1	11/12/2004 14:15	Water	1
B-2	11/12/2004 15:30	Water	2
B-3	11/12/2004 13:00	Water	3

Fuel Oxygenates by 8260B

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Prep(s): 5030B
Sample ID: **B-1**
Sampled: 11/12/2004 14:15
Matrix: Water

Test(s): 8260B
Lab ID: 2004-11-0433 - 1
Extracted: 11/26/2004 21:47
QC Batch#: 2004/11/26-02.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	330	50	ug/L	1.00	11/26/2004 21:47	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/26/2004 21:47	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/26/2004 21:47	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/26/2004 21:47	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/26/2004 21:47	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/26/2004 21:47	
Benzene	ND	0.50	ug/L	1.00	11/26/2004 21:47	
Toluene	0.56	0.50	ug/L	1.00	11/26/2004 21:47	
Ethylbenzene	ND	0.50	ug/L	1.00	11/26/2004 21:47	
Total xylenes	1.1	1.0	ug/L	1.00	11/26/2004 21:47	
Surrogate(s)						
1,2-Dichloroethane-d4	109.0	73-130	%	1.00	11/26/2004 21:47	
Toluene-d8	109.0	81-114	%	1.00	11/26/2004 21:47	

Fuel Oxygenates by 8260B

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B-2**	Lab ID:	2004-11-0433 - 2
Sampled:	11/12/2004 15:30	Extracted:	11/26/2004 22:10
Matrix:	Water	QC Batch#:	2004/11/26-02.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	97	50	ug/L	1.00	11/26/2004 22:10	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/26/2004 22:10	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/26/2004 22:10	
Di-isopropyl Ether (DIPE)	6.6	1.0	ug/L	1.00	11/26/2004 22:10	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/26/2004 22:10	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/26/2004 22:10	
Benzene	ND	0.50	ug/L	1.00	11/26/2004 22:10	
Toluene	ND	0.50	ug/L	1.00	11/26/2004 22:10	
Ethylbenzene	ND	0.50	ug/L	1.00	11/26/2004 22:10	
Total xylenes	ND	1.0	ug/L	1.00	11/26/2004 22:10	
Surrogate(s)						
1,2-Dichloroethane-d4	108.0	73-130	%	1.00	11/26/2004 22:10	
Toluene-d8	108.1	81-114	%	1.00	11/26/2004 22:10	

Fuel Oxygenates by 8260B

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Prep(s): 5030B
Sample ID: B-3
Sampled: 11/12/2004 13:00
Matrix: Water

Test(s): 8260B
Lab ID: 2004-11-0433 - 3
Extracted: 11/26/2004 22:32
QC Batch#: 2004/11/26-02.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/26/2004 22:32	
tert-Butyl alcohol (TBA)	8.0	5.0	ug/L	1.00	11/26/2004 22:32	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/26/2004 22:32	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/26/2004 22:32	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/26/2004 22:32	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/26/2004 22:32	
Benzene	ND	0.50	ug/L	1.00	11/26/2004 22:32	
Toluene	ND	0.50	ug/L	1.00	11/26/2004 22:32	
Ethylbenzene	ND	0.50	ug/L	1.00	11/26/2004 22:32	
Total xylenes	ND	1.0	ug/L	1.00	11/26/2004 22:32	
Surrogate(s)						
1,2-Dichloroethane-d4	108.2	73-130	%	1.00	11/26/2004 22:32	
Toluene-d8	105.3	81-114	%	1.00	11/26/2004 22:32	

Fuel Oxygenates by 8260B

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/11/26-02.64-004

Water

Test(s): 8260B
QC Batch # 2004/11/26-02.64
Date Extracted: 11/26/2004 18:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/26/2004 18:04	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/26/2004 18:04	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/26/2004 18:04	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	11/26/2004 18:04	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	11/26/2004 18:04	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	11/26/2004 18:04	
Benzene	ND	0.5	ug/L	11/26/2004 18:04	
Toluene	ND	0.5	ug/L	11/26/2004 18:04	
Ethylbenzene	ND	0.5	ug/L	11/26/2004 18:04	
Total xylenes	ND	1.0	ug/L	11/26/2004 18:04	
Surrogates(s)					
1,2-Dichloroethane-d4	114.0	73-130	%	11/26/2004 18:04	
Toluene-d8	106.0	81-114	%	11/26/2004 18:04	

Fuel Oxygenates by 8260B

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/11/26-02.64**

LCS 2004/11/26-02.64-049 Extracted: 11/26/2004 Analyzed: 11/26/2004 18:49

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.0		25.0	96.0			65-165	20		
Benzene	24.7		25.0	98.8			69-129	20		
Toluene	27.5		25.0	110.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	546		500	109.2			73-130			
Toluene-d8	557		500	111.4			81-114			

Fuel Oxygenates by 8260B

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/11/26-02.64**

MS/MSD

Lab ID: 2004-11-0466 - 001

MS: 2004/11/26-02.64-018 Extracted: 11/26/2004 Analyzed: 11/26/2004 20:18
Dilution: 1.00

MSD: 2004/11/26-02.64-040 Extracted: 11/26/2004 Analyzed: 11/26/2004 20:40
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	26.0	24.9	ND	25.0	104.0	99.6	4.3	65-165	20		
Benzene	24.6	23.2	ND	25.0	98.4	92.8	5.9	69-129	20		
Toluene	27.6	26.6	ND	25.0	110.4	106.4	3.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	558	554		500	111.6	110.8		73-130			
Toluene-d8	523	536		500	104.6	107.2		81-114			

SEVERN TRENT STL

Submission: 2004-11-0433

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-1	11/12/2004 14:15	Water	1
B-2	11/12/2004 15:30	Water	2
B-3	11/12/2004 13:00	Water	3

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Prep(s): 3510/8015M
Sample ID: **B-1**
Sampled: 11/12/2004 14:15
Matrix: Water

Test(s): 8015M
Lab ID: 2004-11-0433 - 1
Extracted: 11/16/2004 15:10
QC Batch#: 2004/11/16-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	100	50	ug/L	1.00	11/17/2004 11:08	Q2
Motor Oil	ND	500	ug/L	1.00	11/17/2004 11:08	
Hydraulic Oil	ND	500	ug/L	1.00	11/17/2004 11:08	
Surrogate(s)						
o-Terphenyl	86.5	60-130	%	1.00	11/17/2004 11:08	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	B-2	Lab ID:	2004-11-0433 - 2
Sampled:	11/12/2004 15:30	Extracted:	11/16/2004 15:10
Matrix:	Water	QC Batch#:	2004/11/16-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	120	50	ug/L	1.00	11/17/2004 11:36	Q2
Motor Oil	ND	500	ug/L	1.00	11/17/2004 11:36	
Hydraulic Oil	ND	500	ug/L	1.00	11/17/2004 11:36	
Surrogate(s)						
o-Terphenyl	86.5	60-130	%	1.00	11/17/2004 11:36	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**B-3**	Lab ID:	2004-11-0433 - 3
Sampled:	11/12/2004 13:00	Extracted:	11/16/2004 15:10
Matrix:	Water	QC Batch#:	2004/11/16-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	57	50	ug/L	1.00	11/17/2004 12:03	Q2
Motor Oil	ND	500	ug/L	1.00	11/17/2004 12:03	
Hydraulic Oil	ND	500	ug/L	1.00	11/17/2004 12:03	
Surrogate(s)						
o-Terphenyl	88.0	60-130	%	1.00	11/17/2004 12:03	

SEVERN TRENT STL

Submission: 2004-11-0433

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Batch QC Report

Prep(s): 3510/8015M
Method Blank
MB: 2004/11/16-06.10-001

Water

Test(s): 8015M
QC Batch # 2004/11/16-06.10
Date Extracted: 11/16/2004 15:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	11/17/2004 13:53	
Motor Oil	ND	500	ug/L	11/17/2004 13:53	
Hydraulic Oil	ND	500	ug/L	11/17/2004 13:53	
Surrogates(s)					
o-Terphenyl	81.4	60-130	%	11/17/2004 13:53	

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/11/16-06.10**

LCS 2004/11/16-06.10-002 Extracted: 11/16/2004 Analyzed: 11/17/2004 11:08
LCSD 2004/11/16-06.10-003 Extracted: 11/16/2004 Analyzed: 11/17/2004 11:36

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	731	739	1000	73.1	73.9	1.1	60-130	25		
Surrogates(s)										
o-Terphenyl	17.0	17.3	20.0	85.2	86.5		60-130	0		

SEVERN TRENT STL

Submission: 2004-11-0433

Total Extractable Petroleum Hydrocarbons (TEPH)

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Legend and Notes

Result Flag

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

SEVERN TRENT STL

Submission: 2004-11-0433

PNA analysis by 8270C

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-1	11/12/2004 14:15	Water	1
B-2	11/12/2004 15:30	Water	2

SEVERN TRENT STL

Submission: 2004-11-0433

PNA analysis by 8270C

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Prep(s): 3510C/8270C
Sample ID: **B-1**
Sampled: 11/12/2004 14:15
Matrix: Water
Analysis Flag: HT (See Legend and Note Section)

Test(s): 8270C
Lab ID: 2004-11-0433 - 1
Extracted: 11/22/2004 09:22
QC Batch#: 2004/11/22-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Acenaphthylene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Acenaphthene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Fluorene	ND	5.0	ug/L	1.00	11/27/2004 16:28	
Phenanthrene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Anthracene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Fluoranthene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Pyrene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Chrysene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	11/27/2004 16:28	
Surrogate(s)						
Nitrobenzene-d5	32.6	35-114	%	1.00	11/27/2004 16:28	S6
2-Fluorobiphenyl	30.8	43-116	%	1.00	11/27/2004 16:28	S6
p-Terphenyl-d14	31.0	33-141	%	1.00	11/27/2004 16:28	S6

PNA analysis by 8270C

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Prep(s): 3510C/8270C
Sample ID: **B-2**
Sampled: 11/12/2004 15:30
Matrix: Water

Test(s): 8270C
Lab ID: 2004-11-0433 - 2
Extracted: 11/22/2004 09:22
QC Batch#: 2004/11/22-01.11

Analysis Flag: HT,L3 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Acenaphthylene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Acenaphthene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Fluorene	ND	5.6	ug/L	1.12	11/27/2004 16:56	
Phenanthrene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Anthracene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Fluoranthene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Pyrene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Benzo(a)anthracene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Chrysene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Benzo(b)fluoranthene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Benzo(k)fluoranthene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Benzo(a)pyrene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Indeno(1,2,3-c,d)pyrene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Dibenzo(a,h)anthracene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Benzo(g,h,i)perylene	ND	2.2	ug/L	1.12	11/27/2004 16:56	
Surrogate(s)						
Nitrobenzene-d5	49.3	35-114	%	1.12	11/27/2004 16:56	
2-Fluorobiphenyl	55.2	43-116	%	1.12	11/27/2004 16:56	
p-Terphenyl-d14	46.8	33-141	%	1.12	11/27/2004 16:56	

PNA analysis by 8270C

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Batch QC Report

Prep(s): 3510C/8270C
Method Blank
MB: 2004/11/22-01.11-001

Water

Test(s): 8270C
QC Batch # 2004/11/22-01.11
Date Extracted: 11/22/2004 09:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Naphthalene	ND	2.0	ug/L	11/27/2004 15:05	
Acenaphthylene	ND	2.0	ug/L	11/27/2004 15:05	
Acenaphthene	ND	2.0	ug/L	11/27/2004 15:05	
Fluorene	ND	2.0	ug/L	11/27/2004 15:05	
Phenanthrene	ND	2.0	ug/L	11/27/2004 15:05	
Anthracene	ND	2.0	ug/L	11/27/2004 15:05	
Fluoranthene	ND	2.0	ug/L	11/27/2004 15:05	
Pyrene	ND	2.0	ug/L	11/27/2004 15:05	
Benzo(a)anthracene	ND	2.0	ug/L	11/27/2004 15:05	
Chrysene	ND	2.0	ug/L	11/27/2004 15:05	
Benzo(b)fluoranthene	ND	2.0	ug/L	11/27/2004 15:05	
Benzo(k)fluoranthene	ND	2.0	ug/L	11/27/2004 15:05	
Benzo(a)pyrene	ND	2.0	ug/L	11/27/2004 15:05	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	11/27/2004 15:05	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	11/27/2004 15:05	
Benzo(g,h,i)perylene	ND	2.0	ug/L	11/27/2004 15:05	
Surrogates(s)					
Nitrobenzene-d5	55.0	35-114	%	11/27/2004 15:05	
2-Fluorobiphenyl	53.5	43-116	%	11/27/2004 15:05	
p-Terphenyl-d14	56.2	33-141	%	11/27/2004 15:05	

SEVERN TRENT STL

Submission: 2004-11-0433

PNA analysis by 8270C

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Batch QC Report

Prep(s): 3510C/8270C

Test(s): 8270C

Laboratory Control Spike **Water** **QC Batch # 2004/11/22-01.11**

LCS 2004/11/22-01.11-002 Extracted: 11/22/2004 Analyzed: 11/27/2004 15:33
LCSD 2004/11/22-01.11-003 Extracted: 11/22/2004 Analyzed: 11/27/2004 16:01

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Acenaphthene	17.3	19.8	30.0	57.7	66.0	13.4	56-118	30		
Pyrene	16.9	16.0	30.0	56.3	53.3	5.5	52-115	35		
Surrogates(s)										
Nitrobenzene-d5	13.5	14.9	25	54.0	59.6		35-114			
2-Fluorobiphenyl	14.0	16.2	25	56.0	64.8		43-116			
p-Terphenyl-d14	14.9	13.7	25	59.6	54.6		33-141			

SEVERN TRENT STL

Submission: 2004-11-0433

PNA analysis by 8270C

San Joaquin Company, Inc.
Attn.: Dai Watkins

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459
Phone: (510) 336-1772 Fax: (510) 336-9119

Project: 0004.082
Bay Rock

Received: 11/12/2004 18:15

Site: 423 7th Street, Oakland (8 Orchids)

Legend and Notes

Analysis Flag

HT

Extracted out of holding time

L3

Reporting limits raised due to reduced sample size.

Result Flag

S6

Surrogate recoveries lower than acceptance limits.
Matrix interference suspected

THE SAN JOAQUIN COMPANY INC.

Transmit results to office checked below:

☐ 33233 South Koster Road, Tracy, CA 95304
Voice: (209) 832-2910 Fax: (209) 833-1288

☑ 1120 Hollywood Ave. No. 3, Oakland, CA 94602
Voice (510) 336-9118 Fax: (510) 336-9119

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS RECORD

2004-11-0433

Laboratory: **STL San Francisco**
Carrier: The San Joaquin Company Inc.

Waybill No.: n/a

Project: **Bay Rock - 423 7th. St Oakland (8 Orchids)**
Project No.: **0004.082** Project Mgr.: **DJW**
Sampling Team: **DJW/CJ**

Site Global I.D. No.: n/a

Sample Number	Type	Field Point	Depth to GW in ft.	Casing Elev. in ft.	Date Sampled	Time Sampled	Analyses Requested	Lab No.
B-1	Water	B-1	11.66	21.91	11/12/04	14:15	Analyze all samples for: TPH(g)-BTEX+Fuel Oxygenates, TPH(d), Hydraulic Oil (Elevator Piston), Motor Oil. Hold remainder of all samples following above analyses for further instructions.	
B-2	↓	B-2	13.03	22.77	↓	15:30		
B-3	↓	B-3	18.83	29.34	↓	13:00		

Sample Hazards: Possible low to moderate concentrations of fuel hydrocarbons and hydraulic oil

Priority: Routine ☑ Expedited ☐

6°C

Notes: _____

CUSTODY RECORD	Print Name	Company	Date Received	Time Received	Date Relinquished	Time Relinquished	Signature
Originator:	Colin Jones	San Joaquin Co	—	—			B. C. Jones
Received/ Relinquished by:							
Received/ Relinquished by:							
Received/ Relinquished by:							
Received at Laboratory by:	D. Harrington	STL-SF	11/12/04	1815	—	—	D. Harrington

Rev. 11/03