RO 2462

Kennedy/Jenks Consultants

Engineers & Scientists

622 Folsom Street
San Francisco, California 94107
415-243-2150
FAX 415-896-0999

26 February 2004

Ms. Diane Heinze, P.E.
Associate Port Environmental Scientist
Environmental Health and Safety Compliance Department
Port of Oakland
530 Water Street
Oakland, CA 94607

Subject: Report on Demolition Activities
901 Embarcadero, Oakland, California
K/J 000128.00

Dear Ms. Heinze:

The enclosed Report on Demolition Activities (Report) is submitted by Kennedy/Jenks Consultants on behalf of Praxair, Inc. (Praxair). The Report documents the demolition, removal, and site restoration activities recently performed by Praxair at 901 Embarcadero in Oakland. These activities were completed in accordance with the *Release and Settlement Agreement Regarding Site Restoration* dated 4 February 2003, between Praxair and the Port of Oakland (Port).

As you are aware, control of the property has been returned to the Port. If you have any questions regarding the Report, please call either Nick DiFranco of Praxair at (732) 738-3424 or me at (415) 243-2534.

Very truly yours,

KENNEDY/JENKS CONSULTANTS

Meredith G. Durant

Meredith G. Durant, P.E.
Project Manager

Enclosure

cc: Nicholas A. DiFranco, Praxair, Inc.
Jim Peszko, Praxair, Inc.
John Sibley, Praxair, Inc.
Michele Heffes, Port of Oakland
Jeriann Alexander, Fugro/Subsurface Consultants
Barney Chan, Alameda County Health Care Services Agency

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Report on Demolition Activities at 901 Embarcadero, Oakland, California

27 February 2004

Prepared for

Praxair, Inc.
P.O. Box 237
Keasbey, New Jersey 08832

K/J Project No. 000128.00

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Section 1: Introduction and Background

This Report on Demolition Activities (Report) is submitted to the Port of Oakland (Port) by Praxair, Inc. (Praxair). The Report was prepared by Kennedy/Jenks Consultants (Kennedy/Jenks) on behalf of Praxair, and describes the activities performed by Praxair from August to December 2003 to dismantle, demolish, and remove buildings, foundations, utilities, and ancillary structures from 901 Embarcadero in Oakland, California (the Site). This Report also describes sampling, analytical results, and management of soil disturbed during the demolition activities.

1.1 Site Description

The Site is located within an industrial area of Oakland that was historically and is currently used for mixed commercial, industrial manufacturing, warehousing, and shipping. The Site is located in an area of level topography with an elevation of approximately 10 feet above mean sea level. The Site is located adjacent to the south side of the Embarcadero, a major surface street/truck route. Immediately north of the Embarcadero is US Highway 880 and the Union Pacific railroad tracks. The estuary (Inner Harbor) between Oakland and Alameda Island is approximately 300 feet south of the Site. Figure 1 presents a site location map.

The Site is approximately 7.7 acres in size. Ground level at the Site is somewhat elevated relative to surrounding roadways. The Site is owned by the Port.

According to representatives of the Port, the Site and surrounding area were created by placing fill on marsh and mudflat areas. Fill was initially placed in the Site vicinity during the 1930s and 1940s to raise the grade and provide level staging areas for activities associated with the 9th Avenue terminal. Additional fill was placed on the Site in late 1954 to provide a level area for construction of the Liquid Carbonic facility. The available information indicates that the fill placed at the Site in 1954 was homogenous material and that it was placed under the observation of an engineering consultant (Fugro West 2004).

Praxair is the successor to the former Liquid Carbonic Corporation, which in approximately 1954 to 1955, entered into a 50-year lease of the Site with the Port. In 1998, Praxair subleased the Site to Alliance Gas Products, a subsidiary of International Gas & Cryogenics. Alliance Gas Products relocated in early March 2002. The Site is currently vacant.

1.2 Summary of Site History

Review of aerial photos and Sanborn maps indicate that the eastern portion of the Site was occupied by the Interlocking Stone & Gilro Machine Company and a railroad spur in the early portion of the 1900s. The Site was vacant for a time, until the mid-1950s, when the former Building 1 was constructed for use by Liquid Carbonic.

Liquid Carbonic initially used the Site for the manufacture of liquid and solid carbon dioxide (dry ice). Gaseous carbon dioxide was generated through the combustion of natural gas. Various processes were employed to collect and purify the carbon dioxide gas and compressors were utilized to create liquid carbon dioxide and dry ice.

In the early 1970s, an alternate local source of gaseous carbon dioxide made its onsite generation no longer economical. The carbon dioxide gas generating equipment was removed from the Site. The facility was converted to produce acetylene gas, which was generated at the Site until early 2002. The production of acetylene gas resulted in the generation of lime (calcium hydroxide) as a coproduct. The available information indicates that the lime slurry generated at the Site was accumulated in onsite holding tanks and belowgrade sumps until the lime slurry was removed by a third party for reuse. Other activities at the Site included packaging and distribution of industrial gases such as carbon dioxide, nitrogen, oxygen, and argon.

1.3 Recent Subsurface Investigations and Remediation

Several investigation/remediation activities have been performed at the Site since 1989. Investigations and remedial activities conducted at the Site prior to the demolition activities described in this Report are summarized in previously submitted reports (Kennedy/Jenks 2001a, 2001b, 2002a, and 2003a).

Based on the analytical results of confirmation sampling conducted during the most recent investigations and remedial activities (Kennedy/Jenks 2003a), further remedial soil excavation was performed in the area of Boring KB-13 during the demolition activities on 28 October 2003, as described in a letter to the Alameda County Health Care Services Agency (County) dated 8 January 2004 (Kennedy/Jenks 2004a). The subsequent post-excavation confirmation soil samples indicated that residual concentrations of petroleum hydrocarbons in soil were less than residential and commercial/industrial Environmental Screening Levels (ESLs) published by the Regional Water Quality Control Board, San Francisco Region (RWQCB). No further remedial actions are necessary to address residual concentrations of petroleum hydrocarbons in soil in the vicinity of Boring KB-13.

1.4 Prior Operations Removal and Dismantling Activities

Alliance Gas Products removed its operations from the Site in early 2002. Some process equipment, including several aboveground bulk liquid storage tanks, four aboveground lime/water decant tanks, the acetylene generation equipment, a small cooling tower and cylinder filling piping, remained at the Site. In June 2002, Praxair removed remaining process equipment and piping from the Site.

The removal of equipment and hazardous material is described in the *Report on Hazardous Materials Closure Activities*, submitted by Kennedy/Jenks to the City of Oakland (the City) Fire Department on 17 September 2002 (Kennedy/Jenks 2002b). The hazardous materials closure activities were accepted by the City Fire Department in a letter dated 27 November 2002 (City 2002).

1.5 Purpose

The Site is owned by the Port, but Praxair and the Port have agreed in the *Release and Settlement Agreement Regarding Site Restoration* for the Site (the Agreement; Praxair 2003a) that Praxair would be responsible for demolition of the buildings, appurtenant structures, and

utilities. The dismantlement, demolition, and removal of onsite buildings, foundations, and basic utility lines (water, electrical, gas) are described in this report.

Section 2: Demolition Activities

Praxair retained Pacific States Environmental Contractors, Inc. of Dublin, California (PSEC) to perform the demolition activities as set forth in *Dismantlement Contract No. AFE-2306* executed by Praxair and PSEC and dated 4 March 2003 (the Contract; Praxair 2003b). Demolition activities consisted of demolishing the buildings, removing the concrete pavement, and removing the belowground sumps and underground utilities. Demolition of the buildings also included removal of foundation piles to a depth of five feet below the surrounding ground surface (bgs). PSEC retained the services of Complete Decon Incorporated (Complete Decon) to perform abatement activities and Inner City Demolition (Inner City) to remove the building superstructures and concrete substructures, including piles.

As a part of site preparation activities in August 2003, PSEC's subcontractors removed asbestos-containing material (ACM) from the buildings and also removed peeling lead-based paint applied to the concrete foundation of Building 1. The demolition permits for the Site were issued by the City on 19 September 2003. Notice to Proceed was transmitted to PSEC on 23 September 2003. Site demolition activities began 24 September 2003 and concluded 22 December 2003.

Kennedy/Jenks observed and documented the demolition and excavation activities in its capacity as the "Owner's Representative," a role that is referred to in the Contract. Interfacing and coordinating activities with both PSEC and representatives of the Port was required. In addition, Kennedy/Jenks was responsible for evaluating newly exposed soil, both through observations and through sample collection and chemical analysis.

Kennedy/Jenks performed daily inspections of PSEC's work and recorded observations, work conditions, visitors to the Site, work performed, personnel/equipment working and special conditions, and delays or changes. The demolition activities performed by PSEC and its subcontractors are summarized in Table 1 and described more completely in this section of the Report. The locations of various former activities and features at the Site prior to demolition activities are shown on Figure 2 and major demolition activities are identified on Figure 3. Representative photographs were taken to document demolition activities and are included as Appendix A.

In some cases, samples of residual materials were collected and analyzed to characterize the residuals for the purposes of disposal or reuse. Analytical data reports are included in Appendix B.

2.1 Permitting and Planning

PSEC procured a Bay Area Air Quality Management District Permit to conduct the demolition activities. Kennedy/Jenks, on behalf of Praxair, secured the following work and environmental permits from the indicated agencies for civil and site work prior to initiating the relevant activities:

- As required by the City, a Waste Reduction and Recycling Plan was submitted to describe the planned quantities and disposition of demolition debris

- Demolition Permit Numbers RB0304073 and RB0304074 issued by the City
- Building Sewer Inspection Permit Number SL0300914 issued by the City
- Excavation Permit Number X0300890 issued by the City to address the excavation necessary to disconnect the sewer lateral from the sewer main
- Waste Discharge Identification (WDID) Number 201C323532 was issued by the State Water Resources Control Board (SWRCB) in response to Praxair's Notice of Intent to Comply with the Terms of the General Permit to Discharge Storm Water Associated with Construction Activity
- Permit Number M89-75 issued to the Port by the San Francisco Bay Conservation and Development Commission (BCDC), as authorized by the Port in a letter dated 13 October 2003 (Port 2003a)
- Authorization for Coverage for Decommissioning of Cooling Water System at 901 Embarcadero in accordance with Permit No. 2198.11 issued to the Port by the RWQCB (Port 2003b)
- Coverage under Nationwide Permit 3 of Section 404 of the Clean Water Act was pursued with the U.S. Army Corps of Engineers in a letter dated 10 October 2003

Prior to initiating demolition activities, the following activities were also performed:

- Preparation and submittal of the *Storm Water Pollution Prevention Plan* (Kennedy/Jenks 2003b)
- Notification to the City Fire Department, East Bay Municipal Utility District (EBMUD), and Pacific Gas and Electric (PGE) to disconnect utility services
- PSEC contracted with Complete Decon to perform abatement activities as described in Section 2.3

2.2 Health and Safety

Demolition activities were performed in accordance with *Safety, Health, and Environmental Rules for Contractors* (Praxair 1996), the *Site Specific Health and Safety Plan* (PSEC 2003), and the *Site Health and Safety Plan, Building Demolition and Soil Sampling* (Kennedy/Jenks 2003c). These documents addressed protection of workers, the adjacent community, and the environment during demolition activities. Mitigation measures to protect the community during demolition and earthmoving activities included access controls such as fences and warning signs intended to prevent unauthorized personnel from entering work areas during construction.

2.3 Site Preparation and Abatement Activities

Kennedy/Jenks, on behalf of Praxair, retained Enviro-S.T.A.R. of Pleasant Hill, California (Enviro-S.T.A.R.), a Certified Asbestos Consultant (Number 93-0965), to perform an asbestos pre-demolition building survey at the Site to identify ACM that would potentially be impacted during the demolition of the buildings. The asbestos survey was conducted on 22 November 2002 and the analytical results and findings are summarized in the *Asbestos Pre-Demolition Survey* (Enviro-S.T.A.R. 2002). The results indicated that ACM in Buildings 1 and 2 contained asbestos in concentrations greater than 1 percent, which would require removal prior to demolition.

Abatement activities occurred from 5 August 2003 to 22 August 2003. Complete Decon, PSEC's abatement subcontractor, mobilized to the Site on 5 August 2003 and began the setup phase in preparation for the asbestos removal activities. At the conclusion of the setup work, Complete Decon sequenced their abatement work as follows:

- Removal of ACM roofing material
- Removal of the exterior perimeter transite (ACM) panels from Building 1
- Removal of the exterior perimeter transite (ACM) panels from Building 2
- Removal of the ACM mastic from the exterior electrical panel from Building 2
- Removal of the exterior window assemblies from Building 1
- Removal of the ACM floor tiles and plaster skim coat from within Building 1

With the exception of floor tile and plaster skim coat removal from within Building 1, all abatement activities were performed under "open air" conditions. The work areas were covered with 6-mil, fire-retardant plastic and wet methods were employed to minimize the generation of airborne fibers. The removal of the floor tile and plaster skim coat was performed using negative air pressure containment.

Mastic from the roof and at pipe or conduit penetrations was scraped away from the building structures and contained in 55-gallon drums. A torch was used to sever steel bolts prior to manual removal of transite panels and window assemblies coated with ACM. Following removal from the building structure, the transite panels and window assemblies were placed in plastic-lined steel bins. Plastic sheeting was erected and negative pressure established to form containment zones around the office and bathroom located within Building 1. Floor tiles and plaster skim coatings were then removed and placed in 55-gallon drums.

Enviro-S.T.A.R. was onsite throughout the abatement activities to observe Complete Decon's work practices and procedures, and to document that the work procedures were performed in compliance with applicable regulations. Enviro-S.T.A.R. collected work area perimeter air samples during the active ACM removal phases. Additionally, final air clearance samples were collected from within Building 1. The analytical results and findings are summarized in the *Asbestos Abatement Final Report* (Enviro-S.T.A.R. 2003). All samples, including the perimeter samples, were below the air clearance criterion, as recommended by the U.S. Environmental

Protection Agency (EPA), of 0.01 fibers per cubic centimeter of air (f/cc). The Site was cleared by Enviro-S.T.A.R. on 22 August 2003. All of the above identified ACM were removed. All of the non-friable ACM waste was placed in 6-mil plastic-lined dumpsters. The friable ACM waste was double-bagged in clear, 6-mil plastic bags, labeled, and disposed offsite as hazardous waste.

Additionally, during the asbestos abatement activities, flaking lead-based paint on the exterior face of the Building 1 foundation was stabilized in-place by scraping off the loose portions of paint from the concrete foundation, collecting the debris on plastic sheeting, and transferring the debris to 55-gallon drums for subsequent offsite disposal. The waste disposal manifests for the ACM and lead-based materials are included as Appendix C.

2.4 Building Dismantlement, Demolition, and Removal

PSEC's steel and concrete demolition subcontractor, Inner City, demolished the aboveground superstructures of Building 1 and Building 2 in September 2003. Building 1 was a steel-framed warehouse with a dock-high reinforced concrete floor. The Building 1 foundation consisted of timber piles and composite piles (timber piles with reinforced concrete pile caps); import fill placed between ground level and the dock-high floor slab provided further support for the floor slab. Building 2 was a concrete masonry structure with a foundation consisting of a reinforced concrete slab with spread footings. An excavator equipped with a heavy-duty bucket and an articulated thumb was used to dismantle and remove roof sheeting, structural steel members, and steel utility conduits from Buildings 1 and 2. The excavator was also used to demolish the concrete masonry walls of Building 2. The resulting debris from the dismantlement and demolition of Buildings 1 and 2 was managed as described in Section 2.9.

2.5 Building Foundations and Support Pile Removal

Inner City demolished the Building 2 concrete foundation using an excavator equipped with a heavy-duty bucket in early October 2003.

Also in October 2003, Inner City demolished the Building 1 dock-high concrete floor slab and the integrated pile caps, compressor chamber, hydrostatic testing sump, and loading docks using a wrecking ball and excavators equipped with a hydraulic hammer and a heavy-duty bucket with an articulated thumb. The abovegrade concrete floor of Building 1 was supported by a composite pile system, interior and stem sheer walls, and dock-high fill that included separate sections of sand and soil. Following removal of the dock-high concrete floor slab and pile caps, an excavator equipped with a heavy-duty bucket and a compact loader were used to excavate and load the sand and soil fill that supported the dock-high floor slab onto dump trucks, which were used to transfer the sand and soil to separate stockpiles in the northern portion of the Site, as shown on Figure 3.

Composite piles supporting the Building 1 floor slab and timber piles located beneath the Building 1 loading docks were removed to a depth of approximately five feet bgs using the excavator. The resulting debris from the demolition of the building foundations was managed as described in Section 2.9. The excavations were backfilled and compacted as described in Section 2.11.

2.6 Exterior Yard Structure Removal

The following exterior yard structures were demolished by Inner City in October 2003:

- Staging yard concrete pavements
- Diked cooling tower sump located between Buildings 1 and 2
- Electrical transformer pad and pile foundation substructure
- Railroad spur

Excavators equipped with a hydraulic hammer and a heavy-duty bucket with an articulated thumb were used to demolish and remove the concrete structures. Portions of piping associated with the cooling tower sump were also removed during the demolition and removal of the concrete structures.

Composite piles located beneath the transformer pad and timber piles located beneath concrete pavements were removed to a depth of approximately five feet bgs using the excavator. The resulting debris from the demolition of the exterior yard concrete structures was managed as described in Section 2.9. The excavations were backfilled and compacted as described in Section 2.11.

Rails were cut into manageable lengths using an acetylene torch, removed, and managed as scrap metal. Timber ties were recycled or disposed as timber building material, and the coarse rock ballast was left in place.

2.7 Former Lime/Water Management System Removal

The lime/water management system was an industrial process, which included the following components demolished by Inner City in October 2003:

- Containment berms for the four former aboveground lime/water decant tanks that were removed from the Site in June 2002
- High pH water pit
- Belowgrade cooling water sump
- Underground lime slurry pit

The former locations of these components are shown on Figure 2. Excavators equipped with a hydraulic hammer and a heavy-duty bucket with an articulated thumb were used to demolish and remove the concrete retaining walls and floor of the containment berms and the concrete substructures of the pits and sump. Surface deposits of lime-impacted soil and debris located within the footprint of the former containment berms were scraped away from the ground surface and stockpiled using a compact loader outfitted with a construction bucket and teeth.

The excavation sidewalls of the pits and sump were sampled to evaluate the potential pH impacts to remaining soil as described in Section 2.13.2. The resulting debris from the demolition of the former lime/water management system was managed as described in Section 2.9. The excavations were backfilled and compacted as described in Section 2.11.

2.8 Former Cooling Water System Removal

The cooling water system supported an industrial process that was removed from the Site many years ago. The remaining portions of the cooling water system included the following components that Inner City demolished in October 2003:

- Belowground steel reinforced concrete cooling tower foundation substructure
- 18-inch diameter cast iron cooling water intake pipeline
- 18-inch diameter cast iron cooling water outfall pipeline

The concrete foundation for the former cooling tower was not visible prior to initiation of demolition activities, and Inner City located the belowground foundation substructure by performing exploratory shallow excavation with an excavator equipped with a heavy duty bucket in the suspected location of the cooling tower, as indicated on the original site plans. After locating the belowground foundation, the excavator was used to demolish and remove the concrete substructure.

Composite piles supporting the cooling tower foundation were removed to a depth of approximately five feet bgs using the excavator. The resulting debris from the demolition of the former cooling tower foundation was managed as described in Section 2.9. The excavation was backfilled and compacted as described in Section 2.11.

The location of the cooling water system intake pipeline was identified during removal of the northern retaining wall for the loading area in the southwestern corner of the Site, and the location of the cooling water system outfall pipeline was identified during the removal of the foundation piles beneath Building 1. Inner City excavated and removed the underground intake and outfall piping using an excavator equipped with a heavy-duty bucket and articulated thumb. The piping was disconnected within five feet of the fence line, removed, and disposed as scrap metal. Tidal infiltration required onsite plugging of the cooling water system intake and outfall pipelines with concrete grout. The excavation trenches were backfilled and compacted as described in Section 2.11.

Shoreline demolition activities included removal of a portion of the exposed intake pipeline and plugging of the remaining intake and outfall pipes. PSEC conducted the shoreline demolition activities with the assistance of Inner City in December 2003, working from upland areas during low tide conditions. The shoreline demolition activities were documented in a letter to the Port dated 6 January 2004 (Kennedy/Jenks 2004b).

2.9 Processing of Concrete and Steel Demolition Debris

Excavators equipped with concrete crusher jaws and a hydraulic hammer were used to process concrete demolition debris onsite. Large pieces of concrete rubble were broken into smaller pieces using a hydraulic hammer. These smaller pieces of concrete were further crushed by concrete crusher jaws, and the steel reinforcement was separated from the concrete. The steel was cut into manageable pieces using an acetylene torch and compressed into bundles using an excavator equipped with a heavy-duty bucket and articulated thumb. Separate stockpiles were maintained onsite for concrete and steel demolition debris.

The resulting concrete debris was recycled at a nearby concrete recycling facility. The structural steel members, steel utility conduits, and steel reinforcement bars were removed from the Site and managed as scrap metal.

2.10 Utility Removal

Utility removal consisted of identifying, exposing, removing, and disposing of the onsite portions of the following utility pipelines:

- Gas service pipeline
- Domestic water service pipelines
- Fire suppression service pipeline
- Onsite drainage inlets and associated storm drain piping
- Sanitary sewer lateral pipeline

As requested by Praxair and Kennedy/Jenks, the utility owners shut off the natural gas and water services outside the Site. Kennedy/Jenks retained Subdynamic Locating Service of San Jose to locate and field mark the onsite portions of the gas, domestic water, and fire suppression service pipelines in November 2003. The location of storm drain pipeline was determined based on the presence of drainage inlet grates. PSEC exposed and removed these utility pipelines using an excavator equipped with a heavy-duty bucket and articulated thumb in November and December 2003. The removed pipeline segments were off-hauled and disposed as scrap metal. The remaining pipelines near the Site boundary were capped or plugged in place. The gas and domestic service pipelines were located in very shallow trenches and the excavations required only surface compaction with the excavator. The fire suppression service pipeline was located in a trench approximately 3 ½ feet deep, and was backfilled and compacted as described in Section 2.11.

During pile removal activities in October 2003, Inner City located the onsite portion of the sanitary sewer lateral pipeline and removed the pipeline to within five feet of the Site fence. PSEC located and disconnected the sanitary sewer lateral pipe from the City sanitary sewer pipeline located in 10th Avenue in December 2003. An excavator equipped with a heavy-duty bucket and an articulated thumb was used to remove the asphalt roadway and excavate the underlying soil to expose the sewer lateral connection to the City sewer pipeline in 10th Avenue.

Under the observation of a City inspector and in accordance with City requirements, the sewer lateral was disconnected and the City sewer was patched with quick-setting concrete grout. The portion of the lateral sewer pipeline extending from five feet inside the Site fence to the City sewer was not removed during the patching activities and was abandoned in place.

The excavation was initially backfilled with Class II aggregate, but the required compaction for City roadways could not be attained. Consequently, Controlled Density Fill (CDF), a form of light-weight concrete, was used to backfill the excavation. Following 24 hours of curing, the asphalt pavement in 10th Avenue was patched in accordance with City requirements.

2.11 Backfill and Compaction

Earthwork associated with excavation consisted of the following activities:

- Excavation, placement of stockpiled soil and imported fill, and 90 percent relative compaction of soils and surfaces pursuant to the Contract and technical recommendations provided by the geotechnical subconsultant
- Compaction testing to confirm adequate soil compaction of 90 percent or greater
- Visual inspection of excavation, backfilling, and compaction activities

Treadwell and Rollo, Inc of Oakland, California (T&R) was retained as the geotechnical subconsultant by Kennedy/Jenks, on behalf of Praxair, to perform compaction testing during backfilling activities to confirm proper relative compaction density of 90 percent, as specified in the Contract. T&R collected soil samples and tested imported fill and excavated soil to develop moisture-density curves suitable for use during compaction testing. Moisture-density curves were completed in conformance with the most current ASTM D1557 (Modified Proctor) methods prior to performing compaction tests. A minimum of three points were used to establish the Moisture-Density Curve.

Based on recommendations from T&R, excavations were backfilled and compacted in November and December 2003 by PSEC according to three types of design cross-sections that were specific for the structures removed, as described below and shown in Figure 4.

- For pit excavations, where water was ponded in the excavation floors or the subsurface material was soft and plastic, Mirafi® 500X tensile fabric was placed at the bottom of the excavation, and new, clean ¾-inch crushed rock was placed over the tensile fabric, to form a solid base. Mirafi® 140N filter fabric was placed over the crushed rock where it was used. Stockpiled soil from the Site was then placed over the Mirafi® 140N filter fabric in horizontal lifts with an excavator and compacted to 90 percent relative compaction with a sheepsfoot compaction wheel excavator attachment until within approximately 12 to 18 inches of the ground surface, at which time the remaining material was mass graded using a bladed bulldozer with sheepsfoot roller wheels.
- For utility trench excavations, where water ponded in the excavation floors or the subsurface material was soft and plastic, backfilling and compaction was conducted in the same manner described above for pit excavations. For utility trench excavations in

dry soil, stockpiled soil from the Site was placed directly in the trench excavation in horizontal lifts with an excavator and compacted to 90 percent relative compaction with a sheepsfoot compaction wheel excavator attachment until within approximately 12 to 18 inches of the ground surface, at which time the remaining material was mass graded using a bladed bulldozer with sheepsfoot roller wheels.

- For foundation pile excavations, Mirafi® 140N filter fabric was placed at the bottom of the excavations made around the piles. Stockpiled soil from the Site was then placed in horizontal lifts with an excavator and compacted with a sheepsfoot compaction wheel excavator attachment in the individual excavations pits until within approximately 12 to 18 inches of the ground surface, at which time the remaining material was mass graded using a bladed bulldozer with sheepsfoot roller wheels.

Approval from the Port was obtained prior to use of the above mentioned fill materials. Inner City provided the imported Class II aggregate base and the results of Class II Specification Tests for Baserock. Kennedy/Jenks reviewed the test results, which were transmitted to the Port's representative for approval. The imported material was found to meet the ¾-inch specification for Class II aggregate base. Results of the Class II Specification Tests for Baserock are provided as Appendix D.

In-place densities and moisture content were established using a nuclear moisture/density gauge in accordance with ASTM D2922 and D3017 methods by qualified and licensed T&R technicians. T&R calibrated and compared the density of the compacted fill with the moisture density curves. T&R submitted a Final Report on Geotechnical Services during Demolition, which is provided as Appendix E. Test results indicated satisfactory soil compaction rates greater than or equal to the required minimum 90 percent relative compaction specified in the Contract.

2.12 Soil Stockpile Management

Separate stockpiles were maintained for imported Class II aggregate, sand and soil fill from the Building 1 foundation, soil excavated from the vicinity of Boring KB-13, and surface soil impacted by lime. The Building 1 sand and soil fill and the Boring KB-13 excavation spoils were covered with plastic weighed down by pieces of concrete rubble. Stockpile sampling was conducted for the sand and soil stockpiles as described in Section 2.13 and for the Boring KB-13 excavation spoils and lime-impacted surface soil (Kennedy/Jenks 2004a).

2.13 Collection, Analysis, and Evaluation of Soil Samples

Soil sampling and analysis was conducted at various locations of the Site and at different stages of the project, as follows:

- Pre-excavation screening samples of sand and soil comprising the dock-high fill of Building 1

- Post-excavation confirmation soil samples from the excavation of additional soil in the vicinity of Boring KB-13

- Post-excavation soil samples of sidewalls from the former lime/water management pit excavations
- Post-excavation soil sampling near piping exposed during excavation of the diked cooling tower sump between former Buildings 1 and 2
- Stockpile sampling from the Boring KB-13 excavation, lime-impacted soil, and sand and soil comprising the dock-high fill of Building 1

Samples were collected into stainless steel or brass sleeves that were capped at both ends with Teflon™ tape and a plastic cap. Following collection, the soil samples were placed in a cooler chilled with ice (frozen water) to approximately 4 degrees Celsius (°C). The samples were transported to the analytical laboratory under chain-of-custody procedures.

The samples were submitted to a state-certified laboratory, STL San Francisco in Pleasanton California (State Certification Number 1094), for analysis. Specific chemical constituents were analyzed according to the following EPA Methods:

- Total extractable petroleum hydrocarbons by EPA Method 8015
- Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015
- Total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015
- Total petroleum hydrocarbons as motor oil (TPHmo) by EPA Method 8015
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8021B
- Semi volatile organic compounds (SVOCs) by EPA Method 8270C
- Metals by EPA Method 6010
- pH by EPA Method 9045C

The analytical data reports and chain-of-custody forms are included in Appendix B.

2.13.1 Pre-Excavation Sand and Soil Screening Sampling

Initial *in situ* screening sampling was conducted to assess the presence of chemical constituents in the sand and soil comprising the dock-high fill of Building 1 prior to excavation and stockpiling of these materials. A total of eight discrete samples were collected from the sand and soil fill by a Kennedy/Jenks staff member on 10 October 2003. Sand samples were composited and soil samples were composited separately by the laboratory and submitted for analysis of BTEX, TPHg, TPHd, and metals. The sample locations are shown on Figure 5, the organic results are summarized in Table 2, the metal results are summarized in Table 3, and analytical data reports are included in Appendix B. As shown in the tables, BTEX and TPHg were not detected at concentrations above their respective laboratory reporting limits and metals were not detected at concentrations above their respective ESLs or background values presented by the City.

2.13.2 Post-Excavation Soil Sampling

In situ post-excavation soil samples were collected and analyzed from the Boring KB-13 excavation (Kennedy/Jenks 2004a).

A pH range of 6.5 to 8.5, as provided by the Basin Plan published by the RWQCB, was used to assess Site soil remaining after demolition and removal of the belowgrade structures associated with the former lime/water management system. This pH range applies to surface water and groundwater, but was used to assess soil pH based on a telephone conversation with Mr. Barney Chan of the County on 17 September 2003. A total of 12 discrete samples were collected from the high pH water pit, cooling water sump, and underground lime slurry pit excavation sidewalls by a Kennedy/Jenks staff member on 20 October 2003. The soil samples were submitted for analysis of pH. The sample locations are shown on Figure 6, the results are summarized in Table 4, and analytical data reports are included in Appendix B. As shown in Table 4, the pH of soil samples ranged from 5.2 to 8.8. The pH of two soil samples exceeds the pH value of 8.5 communicated to Kennedy/Jenks by Mr. Barney Chan of the County.

The former diked cooling tower sump located between former Buildings 1 and 2 was suspected as being a former oil water separator. During demolition and removal of this structure, associated piping was exposed and partially removed, as described in Section 2.6. One soil sample was collected from the sidewall of the former diked cooling tower sump excavation by a Kennedy/Jenks staff member on 11 November 2003. The soil sample was submitted for analysis of TEPH. The sample location is shown on Figure 6, the results are summarized in Table 2, and analytical data reports are included in Appendix B. As shown in Table 2, diesel was detected at 73 miligrams per kilogram (mg/kg) and motor oil was detected at 1,000 mg/kg. These concentrations do not exceed the respective ESLs for commercial/industrial land uses.

2.13.3 Stockpile Sampling

Stockpile samples were collected and analyzed from the Boring KB-13 excavation spoils and the lime-impacted soils (Kennedy/Jenks 2004a).

On 24 October 2003, a Kennedy/Jenks staff member collected a total of 46 discrete samples from the stockpiles of sand and soil dock-high import fill removed from below the Building 1 slab. Sand and soil samples were collected in a methodical random fashion using a grid pattern established in accordance with the methodology set forth in the EPA SW-846 guidance document (EPA 1986). In addition, as suggested by representatives of the Port, regulatory agency guidance documents regarding sampling prior to onsite reuse of soils impacted by petroleum hydrocarbons were also consulted.

Six discrete samples from the sand stockpile were initially submitted for analysis of pH, metals, and SVOCs. Ten discrete samples from the soil stockpile were submitted for analysis of pH and metals. Based on analytical results, six additional discrete samples from the sand stockpile were submitted for analysis of pH. Samples were analyzed for metals and pH as potential constituents of interest in onsite soils. The sand samples were also analyzed for SVOCs because portions of the sand had been in contact with timber foundation piles, which appeared to be treated with wood preservative. The stockpile sample locations are shown on Figure 7.

The analytical results for SVOCs, metals, and pH are presented in the Tables 2, 3, and 4, respectively, and analytical data reports are included in Appendix B. Upper confidence limits were calculated for each detected constituent following EPA guidance documents (EPA 2000, 2002) and are presented in Table 5. The following is a summary of the analytical results.

- The pH of six sand samples and two soil samples exceeds the pH value of 8.5 communicated to Kennedy/Jenks by Mr. Barney Chan of the County. The calculated upper confidence limit for the sand exceeds the pH value of 8.5, whereas the calculated upper confidence limit for the soil does not. The source of the relatively elevated pH values in the sand samples is not known, but it is considered unlikely to be related to operations at the Site. The sand was underlain by asphalt and was encased on four sides and on the top by concrete foundations. Moreover, the acetylene generation operations, which produced lime (which has a high pH) as a coproduct, were not located near or above the portion of the Building 1 foundation that contained the sand.

- SVOCs were not detected above analytical reporting limits in any of the six sand samples.

- Concentrations of metals in the soil and sand samples were consistent with background values presented by the City. In addition, the metal concentrations were less than the respective ESLs.

An estimated weighted average pH for a blended sand and soil mixture was determined based on the sand and soil stockpile volumes and upper confidence limits. This average pH did not exceed the pH value of 8.5. Following consultation with the Port, the sand and soil were reused onsite as describe in Section 2.14.

2.14 Grading and Post-Demolition Sediment Control

PSEC re-contoured the existing surface soil elevations to drain towards the southwest corner of the Site in late November and early December 2003. The stockpiles of sand and soil removed from the dock-high floor slab of Building 1 were mixed and combined with onsite surface soil to provide the grading material. Mixing and placement of the grading material was accomplished using an elevating soil scraper, a bladed bulldozer with sheepsfoot roller wheels, and a motor grader.

Approximately 660 linear feet of new silt fence has been installed at the perimeter fence line where runoff from the Site could potentially occur. This sediment control measure is intended to reduce sediment discharges from the Site. Silt fence is designed to intercept and settle out soil particles that have been detached and transported by the force of flowing water.

Additional post-demolition sediment control measures include removal of the former onsite storm drain inlets as described in Section 2.10 and the remaining existing perimeter vegetation that provides a filtering effect for storm water runoff in a manner similar to the silt fence. Moreover, the storm drain inserts installed in the storm drain inlets located at the corner of 10th Avenue and Defremerey Avenue were left in place to retain sediments.

At the request of the RWQCB, hydroseed was applied to disturbed soil surfaces to facilitate plant growth and provide additional erosion control and sediment stabilization. Cagwin and Dorward of Novato, California was retained as the landscape contractor by Kennedy/Jenks, on behalf of Praxair, to perform hydroseeding activities at the Site. On 30 January 2004, Cagwin and Dorward applied a hydroseed mix consisting of water, seeds, and hydraulic mulch, to approximately 3 acres of the Site.

2.15 Site Demobilization and Cleanup

Site demobilization and cleanup consisted of removal of PSEC's equipment and the equipment of its subcontractors, garbage, debris, and other materials from the Site, broom sweeping of asphalt surfaces and blade scraping of dirt parcels prior to hydroseeding, and securing of the Site perimeter and gate entrances to restrict unauthorized access.

On behalf of Praxair, Kennedy/Jenks prepared and submitted to the City a Construction and Demolition Debris Recycling Summary Report on 31 December 2003 indicating the actual quantities and destinations of construction and demolition debris. A copy of this document is included as Appendix F.

Section 3: Summary and Conclusion

Based on PSEC's completion of the activities specified in the Contract and information obtained during field observations and conversations with PSEC and the Port, dismantling and demolition activities at the Site have been completed in accordance with the Contract.

Buildings 1 and 2 have been dismantled, demolished, and removed from the Site along with the foundation pile system formerly supporting Building 1. Exterior structures including concrete sumps, the concrete electrical transformer pad and associated foundation piles, and loading yard concrete pads have been removed from the Site. Basic utility and process pipelines have been removed from the Site. The Site is surrounded by a chain-link fence, disturbed areas of soil have been hydroseeded, and the Site continues to be vacant.

Praxair has met its obligations as set forth in the Agreement, and control of the Site has been returned to the Port. The Port plans to redevelop the Site in conjunction with a larger-scale redevelopment project, which will also include several nearby parcels. The redevelopment activities have not been scheduled.

At this time, Praxair does not intend to conduct further subsurface characterization or remedial activities at the Site. It is anticipated that Praxair will submit a report describing the environmental site investigation and remedial activities that have occurred at the Site, and a request for Site closure, to the County in the near future.

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Tables

Table 1: Summary of Demolition Activities[a]

Items Addressed	Demolition Activity
Building 1	
Asbestos Containing Materials	Roofing material, transite siding, mastic, exterior window assemblies, floor tiles, and plaster skim coat removed, contained, and disposed.
Aboveground Building Superstructure	Roof sheeting removed from building, crushed, and disposed. Structural steel members and conduits dismantled, removed, and disposed as scrap metal. Transite siding and window assemblies treated as described above.
Abovegrade Building Foundation	Dock-high concrete slab, compressor chamber, and hydrostatic testing sump demolished, removed, and recycled at nearby concrete recycling facility. Steel reinforcement separated from concrete and managed as scrap metal. Sand and soil dock-high import fill excavated and removed to grade, stockpiled onsite, and then incorporated into the grading material.
Building Foundation Pile and Stem Wall Substructure	Interior and perimeter concrete stem walls, demolished, removed, and recycled at nearby concrete recycling facility. Steel reinforcement separated from concrete and managed as scrap metal. Composite and timber piles removed to depth of approximately five feet below the surrounding ground surface and disposed. Excavations backfilled and compacted.
Building 2	
Asbestos Containing Materials	Transite siding and mastic removed, contained, and disposed.
Aboveground Building Superstructure	Roof sheeting removed from building, crushed, and disposed. Concrete masonry walls demolished, removed, and recycled at nearby concrete recycling facility. Steel reinforcement separated from concrete masonry and managed as scrap metal. Structural steel members and conduits dismantled, removed, and disposed as scrap metal. Transite siding treated as above.
Building Foundation Substructure	Concrete slab and retaining wall demolished, removed, and recycled at nearby concrete recycling facility. Steel reinforcement separated from concrete and managed as scrap metal.

Table 1: Summary of Demolition Activities[(a)]

Items Addressed	Demolition Activity
Exterior Yard Structures	
Concrete Staging Yard Pavements	Concrete slabs demolished, removed, and recycled at nearby concrete recycling facility. Steel reinforcement separated from concrete and managed as scrap metal. Timber piles removed to a depth of five feet below the surrounding ground surface and disposed. Excavations backfilled and compacted.
Diked Cooling Tower Sump (located between Buildings 1 and 2)	Concrete structure demolished, removed, and recycled at nearby concrete recycling facility. Steel reinforcement separated from concrete and managed as scrap metal. Unrecorded length of pipeline removed and disposed. Soil sample collected near exposed piping. Excavation backfilled and compacted.
Railroad Spur	Rails cut, removed, and managed as scrap metal. Ties recycled or disposed as timber building material. Ballast left in place.
Electrical Transformer Pad and Pile Foundation Substructure	Concrete pad demolished, removed, and recycled at nearby concrete recycling facility. Steel reinforcement separated from concrete and managed as scrap metal. Composite piles removed to a depth of five feet below the surrounding ground surface and disposed. Excavation backfilled and compacted.
Former Lime/Water Management System	
Containment Berms for Four Aboveground Lime/Water Settling Tanks	Concrete retaining walls and floor demolished, removed, and recycled at nearby concrete recycling facility. Steel reinforcement separated from concrete and managed as scrap metal. Surface soil impacted by lime residue collected and disposed.
High pH Water Pit	Concrete structure demolished, removed, and recycled at nearby concrete recycling facility. Steel reinforcement separated from concrete and managed as scrap metal. Excavation sidewalls sampled to evaluate potential pH impacts to remaining soil. Excavation backfilled and compacted.
Belowgrade Cooling Water Sump	Concrete structure demolished, removed, and recycled at nearby concrete recycling facility. Steel reinforcement separated from concrete and managed as scrap metal. Excavation sidewalls sampled to evaluate potential pH impacts to remaining soil. Excavation backfilled and compacted.

Table 1: Summary of Demolition Activities[a]

Items Addressed	Demolition Activity
Underground Lime Slurry Pit	Concrete structure demolished, removed, and recycled at nearby concrete recycling facility. Steel reinforcement separated from concrete and managed as scrap metal. Excavation sidewalls sampled to evaluate potential pH impacts to remaining soil. Excavation backfilled and compacted.
Former Cooling Water System	
Underground Intake Pipeline	Piping disconnected at the fence line and plugged with concrete grout. Onsite pipe segments removed and disposed as scrap metal. Excavation trench backfilled and compacted. Pipe segments located at the shoreline of the Oakland Inner Harbor removed and disposed as scrap metal. Exposed portion of the pipe at the Oakland Inner Harbor shoreline plugged with concrete grout. Fully submerged pipe segments left in place.
Underground Discharge Pipeline	Piping disconnected at the fence line and plugged with concrete grout. Onsite pipe segments removed and disposed as scrap metal. Excavation trench backfilled and compacted. Exposed portion of the pipe at the Oakland Inner Harbor shoreline plugged with concrete grout.
Belowground Cooling Tower Foundation Substructure	Buried concrete structure located, uncovered, demolished, removed, and recycled at nearby concrete recycling facility. Steel reinforcement separated from concrete and managed as scrap metal. Excavation backfilled and compacted.
Utility Service Pipelines	
Underground Fire Service Pipeline	Piping disconnected at the fence line. Onsite pipe segments removed and disposed as scrap metal. Excavation trench backfilled and compacted.
Underground Domestic Water Service Pipeline (two locations)	Piping disconnected at the fence line. Onsite pipe segments removed and disposed as scrap metal. Excavation trench backfilled and compacted.
Underground Gas Service Pipeline	Piping disconnected at the fence line. Onsite pipe segments removed and disposed as scrap metal. Excavation trench backfilled and compacted.
Storm Drain System	Onsite piping and storm drain inlets removed and disposed as scrap metal. Concrete drainage inlet boxes demolished, removed, and recycled at nearby concrete recycling facility.

Table 1: Summary of Demolition Activities[(a)]

Items Addressed	Demolition Activity
Underground Sanitary Sewer Lateral Pipeline	Sanitary sewer lateral piping disconnected from City of Oakland sanitary sewer pipe and plugged with concrete grout. Remaining sanitary sewer lateral piping abandoned in place between 5 feet inside the Site fence to the City sewer.

(a) Activities performed between September and December 2003 by Praxair, Inc. and its contractors.

Table 2: Soil Sample Analytical Results – Organic Compounds

Sample Location	Sample ID	Sample Date	Sample Depth (ft bgs)[b]	Analytical Results (mg/kg)[a] Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPHg[c]	TPHd[d]	TPHmo[e]	SVOCs[f]
ESL – Resid[g]				**0.18**	**9.3**	**4.7**	**1.5**	**100**	**500**	**500**	**Varies**
ESL – Ind/Comm[g]				**0.38**	**9.3**	**13**	**1.5**	**400**	**500**	**1,000**	**Varies**
Sand Fill	SAND-SCREEN-1-4	10/10/03	—[h]	<0.0050[i]	<0.0050	<0.0050	<0.0050	<1.0	4.6[j]	NA[k]	NA
Soil Fill	SOIL-SCREEN-1-4	10/10/03	—	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	8.0[j]	NA	NA
Sand Stockpile	SAND-1A	10/24/03	—	NA	NA	NA	NA	NA	NA	NA	ND[l]
	SAND-3C	10/24/03	—	NA	NA	NA	NA	NA	NA	NA	ND
	SAND-5A	10/24/03	—	NA	NA	NA	NA	NA	NA	NA	ND
	SAND-7C	10/24/03	—	NA	NA	NA	NA	NA	NA	NA	ND
	SAND-9A	10/24/03	—	NA	NA	NA	NA	NA	NA	NA	ND
	SAND-11C	10/24/03	—	NA	NA	NA	NA	NA	NA	NA	ND
Diked Cooling Tower Post-Excavation Sidewall Near Piping	TOWER SUMP PIPE	11/11/03	2	NA	NA	NA	NA	NA	73[j]	1,000[m]	NA

Table 2: Soil Sample Analytical Results – Organic Compounds

(a) Samples analyzed by STL San Francisco for benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8021B, TPHg using EPA Method 8015, TPHd using EPA Method 8015, TPHmo using EPA Method 8015, and SVOCs using EPA Method 8270C. Concentrations reported in units of milligrams per kilogram (mg/kg).
(b) "ft bgs" = feet below ground surface.
(c) "TPHg" = total petroleum hydrocarbons measured as gasoline.
(d) "TPHd" = total petroleum hydrocarbons measured as diesel.
(e) "TPHmo" = total petroleum hydrocarbons measured as motor oil.
(f) "SVOCs" = semi volatile organic compounds
(g) "ESL" = Environmental Screening Levels for Shallow Soil from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final* (Regional Board 2003). Groundwater IS NOT a current or potential source of drinking water. Values presented for Residential and Industrial/Commercial land use scenarios.
(h) "—" = depth measured in feet below ground surface does not apply to aboveground stockpiles or samples collected at or above the ground surface.
(i) "<" = analyte not detected at or above the laboratory method reporting limit shown.
(j) The laboratory report indicates that the hydrocarbon reported does not match the pattern of the laboratory Diesel standard.
(k) "NA" = not analyzed.
(l) "ND" = not detected at or above the laboratory reporting limit, which varied from 0.067 mg/kg to 0.33 mg/kg.
(m) The laboratory report indicates that surrogate recovery was not reportable due to required dilution.

Table 3: Soil Sample Analytical Results – Metals

Sample Location	Sample ID	Sample Date	Analytical Results (mg/kg)[a] Anti-mony	Arsenic	Barium	Beryl-lium	Cad-mium	Chro-mium	Cobalt	Copper	Lead	Mer-cury	Molyb-denum	Nickel	Selen-ium	Silver	Thallium	Vanadium	Zinc
ESL – Resid[b]			6.3	5.5	750	4.0	1.7	58	40	230	200	2.5	40	150	10	20	1.0	110	600
ESL – Ind/Comm[b]			40	5.5	1500	8.0	7.4	58	80	230	750	10	40	150	10	40	13	200	600
Background[c]			5.2-7.1	9.3-31.0	NR[d]	0.8-1.1	1.5-3.3	59.0-142.2	NR	40.9-99.7	8.9-21.5	0.3-0.6	NR	69.7-144.3	4.7-7.0	1.5-2.2	8.7-42.5	NR	84.7-135.9
Sand Fill	SAND-SCREEN-1-4	10/10/03	<2.0[e]	6.1	35	<0.5	<0.5	36	13	10	4.6	0.16	<1.0	49	2.3	<1.0	<1.0	34	36
Soil Fill	SOIL-SCREEN-1-4	10/10/03	<2.0	3.2	58	<0.5	<0.5	23	8.1	19	10	0.24	<1.0	26	2.8	<1.0	<1.0	30	57
Sand Stockpile	SAND-1A	10/24/03	<2.0	5.5	31	<0.5	<0.5	33	11	11	4.6	0.14	<1.0	49	2.9	<1.0	<1.0	33	36
	SAND-3C	10/24/03	<2.0	5.3	39	<0.5	<0.5	35	12	15	6.8	2.1	<1.0	48	2.6	<1.0	<1.0	34	44
	SAND-5A	10/24/03	<2.0	5.5	33	<0.5	<0.5	33	11	10	3.8	0.11	<1.0	48	3.3	<1.0	<1.0	32	37
	SAND-7C	10/24/03	<2.0	4.7	32	<0.5	<0.5	35	11	11	5.0	0.071	<1.0	56	2.5	<1.0	<1.0	34	180
	SAND-9A	10/24/03	<2.0	5.8	35	<0.5	<0.5	37	12	11	4.1	0.23	<1.0	49	3.1	<1.0	<1.0	33	38
	SAND-11C	10/24/03	<2.0	5.2	36	<0.5	<0.5	33	11	10	3.8	0.11	<1.0	45	2.8	<1.0	<1.0	31	34
Soil Stockpile	SOIL-1A	10/24/03	<2.0	3.3	68	<0.5	<0.5	22	6.3	18	13	0.074	<1.0	24	<2.0	<1.0	<1.0	29	35
	SOIL-8D	10/24/03	<2.0	4.7	100	<0.5	<0.5	6.3	9.5	22	5.4	0.077	<1.0	7.8	2.1	<1.0	<1.0	27	39
	SOIL-11C	10/24/03	<2.0	4.0	75	<0.5	<0.5	23	8.3	26	11	0.089	<1.0	30	3.2	<1.0	<1.0	30	45
	SOIL-13A	10/24/03	<2.0	4.7	90	<0.5	<0.5	6.1	7.1	23	7.5	<0.05	<1.0	7.3	<2.0	<1.0	<1.0	27	43
	SOIL-18B	10/24/03	<2.0	3.7	69	<0.5	<0.5	24	7.3	23	12	0.4	<1.0	26	<2.0	<1.0	<1.0	32	50
	SOIL-21A	10/24/03	<2.0	3.3	90	<0.5	<0.5	26	8.3	20	10	0.071	<1.0	33	<2.0	<1.0	<1.0	28	41
	SOIL-23C	10/24/03	<2.0	3.1	69	<0.5	<0.5	16	6.3	22	13	0.17	<1.0	18	<2.0	<1.0	<1.0	26	41
	SOIL-27C	10/24/03	<2.0	4.0	69	<0.5	<0.5	22	7.6	21	13	0.072	<1.0	26	<2.0	<1.0	<1.0	27	42
	SOIL-28D	10/24/03	<2.0	4.2	94	<0.5	<0.5	21	7.3	21	8.9	<0.05	<1.0	27	2.1	<1.0	<1.0	26	48
	SOIL-30B	10/24/03	<2.0	3.5	63	<0.5	<0.5	17	6.6	20	9.2	1.6	<1.0	22	<2.0	<1.0	<1.0	26	38

(a) Samples analyzed by STL San Francisco for metals using EPA Method 3010A/3050B/6010B. Mercury analyzed using EPA Method 7471A. Concentrations reported in units of milligrams per kilogram (mg/kg).
(b) "ESL" = Environmental Screening Levels for Shallow Soil from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final* (Regional Board 2003). Groundwater IS NOT a current or potential source of drinking water. Values presented for Residential and Industrial/Commercial land use scenarios.
(c) Range of background values from City of Oakland Survey of Background Metal Concentration Studies. Does not include data presented for specific sites in San Leandro and Union City.
(d) "NR" = not reported.
(e) "<" = analyte not detected at or above the laboratory method reporting limit shown.

Table 4: Soil Sample Analytical Results – pH

Sample Location	Sample ID	Sample Date	Sample Depth (ft bgs)[a]	pH[b]
RWQCB Specified Limit[c]				**6.5 – 8.5**
Cooling Water Sump Post-Excavation Sidewalls	SP-1-N	10/20/03	2	7.5
	SP-1-S	10/20/03	2	6.3
	SP-1-E	10/20/03	2	6.7
	SP-1-W	10/20/03	2	8.0
Underground Lime Slurry Pit Post-Excavation Sidewalls	SP-2-N	10/20/03	2	7.9
	SP-2-S	10/20/03	2	7.1
	SP-2-E	10/20/03	2	8.7
	SP-2-W	10/20/03	2	6.8
High pH Water Pit Post-Excavation Sidewalls	LP-N	10/20/03	2	5.2
	LP-S	10/20/03	2	7.2
	LP-E	10/20/03	2	8.8
	LP-W	10/20/03	2	7.6
Sand Stockpile	SAND-1A	10/24/03	—[d]	9.0
	SAND-2B	10/24/03	—	9.2
	SAND-3C	10/24/03	—	9.1
	SAND-4D	10/24/03	—	7.2
	SAND-5A	10/24/03	—	8.4
	SAND-6B	10/24/03	—	7.5
	SAND-7C	10/24/03	—	7.3
	SAND-8D	10/24/03	—	6.9
	SAND-9A	10/24/03	—	8.7
	SAND-10B	10/24/03	—	8.4
	SAND-11C	10/24/03	—	8.9
	SAND-12D	10/24/03	—	8.7
Soil Stockpile	SOIL-1A	10/24/03	—	7.9
	SOIL-8D	10/24/03	—	7.4
	SOIL-11C	10/24/03	—	7.7
	SOIL-13A	10/24/03	—	7.0
	SOIL-18B	10/24/03	—	8.2
	SOIL-21A	10/24/03	—	8.6
	SOIL-23C	10/24/03	—	7.9
	SOIL-27C	10/24/03	—	7.2
	SOIL-28D	10/24/03	—	7.0
	SOIL-30B	10/24/03	—	9.1

(a) "ft bgs" = feet below ground surface.
(b) Samples analyzed by STL San Francisco for pH using EPA Method 9045C.
(c) Range for pH provided in the Basin Plan published by the San Francisco Bay Regional Water Quality Control Board (RWQCB). This pH range applies to surface water and groundwater, but is provided in this table based upon a telephone conversation with Mr. Barney Chan of the Alameda County Health Care Services Agency on 17 September 2003.
(d) "—" = depth measured in feet below ground surface does not apply to aboveground stockpiles.

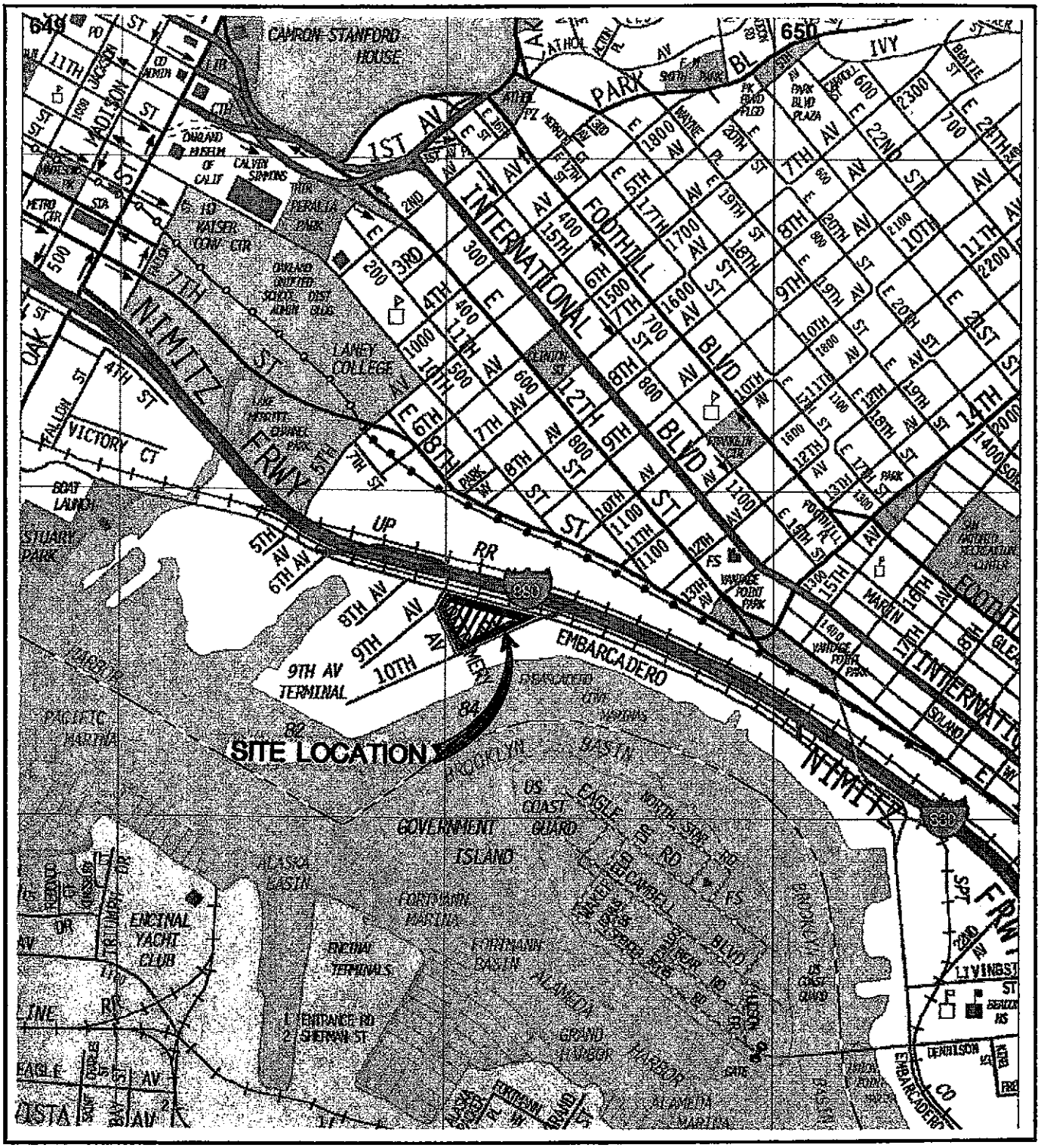
Table 5: Stockpile Soil Samples – Calculated 95 Percent Upper Confidence Levels

Analytes		Limits				$UCL_{95\%}$[a]	
		ESL-Resid[b]	ESL-Ind/Comm[b]	Background[c]	RWQCB Specified	Sand Stockpile	Soil Stockpile
Metals	*Antimony*	6.3	40	5.2-7.1	NR[d]	ND[e]	ND
	Arsenic	5.5	5.5	9.3-31.0	NR	5.6	4.1
	Barium	750	1,500	NR	NR	36.8	83.6
	Beryllium	4.0	8.0	0.8-1.1	NR	ND	ND
	Cadmium	1.7	7.4	1.5-3.3	NR	ND	ND
	Chromium	58	58	59.0-142.2	NR	35.7	21.4
	Cobalt	40	80	NR	NR	12.2	8.0
	Copper	230	230	40.9-99.7	NR	12.3	22.9
	Lead	200	750	8.9-21.5	NR	5.5	11.5
	Mercury	2.5	10	0.3-0.6	NR	0.84	0.46
	Molybdenum	40	40	NR	NR	ND	ND
	Nickel	150	150	69.7-144.3	NR	53.1	25.9
	Selenium	10	10	4.7-7.0	NR	3.1	2.3
	Silver	20	40	1.5-2.2	NR	ND	ND
	Thallium	1.0	13	8.7-42.5	NR	ND	ND
	Vanadium	110	200	NR	NR	35.1	29.4
	Zinc	600	600	84.7-135-9	NR	86.4	44.7
pH		NR	NR	NR	6.5-8.5[f]	8.7	8.3
SVOCs[g]		Various	Various	NR	NR	ND	ND

Table 5: Stockpile Soil Samples – Calculated 95 Percent Upper Confidence Levels

(a) The 95 percent upper confidence limit ($UCL_{95\%}$) of the mean concentration was calculated for each analyte using ProUCL Version 2.1 software distributed by the United States Environmental Protection Agency and with reference to the following guidance documents: *Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites* (EPA 2002), *Guidance for Data Quality Assessment: Practical Methods for Data Analysis* (EPA 2000), and *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW-846; EPA 1986).
(b) "ESL" = Environmental Screening Levels for Shallow Soil from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final* (Regional 2003). Groundwater IS NOT a current or potential source of drinking water. Values presented for Residential and Industrial/Commercial land use scenarios.
(c) Range of background values from City of Oakland Survey of Background Metal Concentration Studies. Does not include data presented for specific sites in San Leandro and Union City.
(d) "NR" = not reported.
(e) "ND" = analyte(s) not detected at or above the laboratory method reporting limits shown in the laboratory reports.
(f) The pH range set forth in the Basin Plan issued by the San Francisco Bay Regional Water Quality Control Board (RWQCB) for surface and ground waters. The upper pH value of 8.5 was mentioned by Mr. Barney Chan of the Alameda Health Care Services Agency on 17 September 2003. The Basin Plan is the presumed source of this value of 8.5.
(g) "SVOCs" = semi volatile organic compounds.

Figures



BASE MAP: THE THOMAS GUIDE DIGITAL EDITION, 1999 BAY AREA

Kennedy/Jenks Consultants

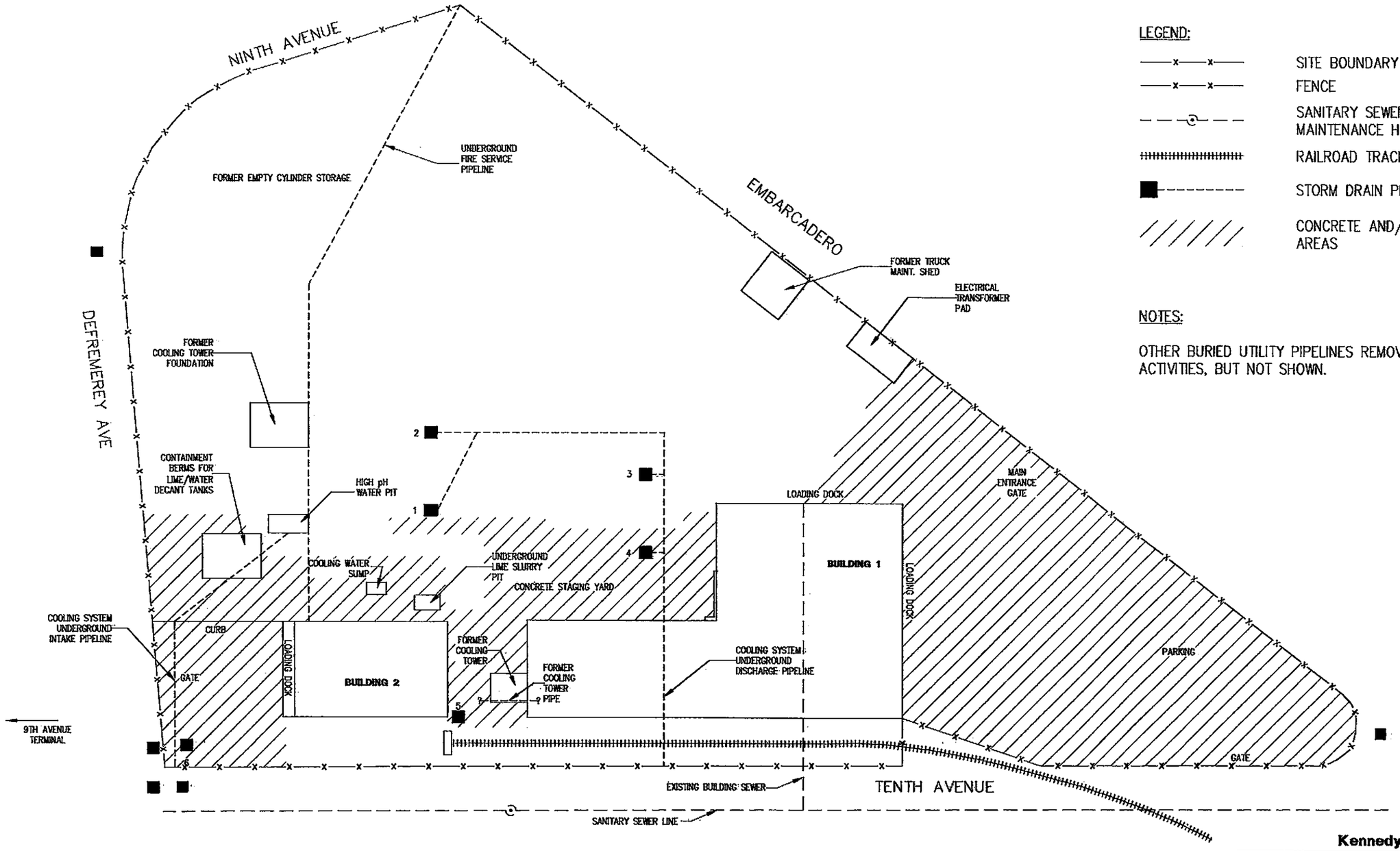
PRAXAIR, INC.
901 EMBARCADERO, OAKLAND, CALIFORNIA

SITE LOCATION MAP

K/J 000128.00
FEBRUARY 2004

FIGURE 1

N:\2000\lab\000128.00\Demo\RptFigs\Jen0401.dwg 2-20-04 11:05:03 AM RickT



LEGEND:

- SITE BOUNDARY
- FENCE
- SANITARY SEWER PIPE AND MAINTENANCE HOLE
- RAILROAD TRACK SPUR
- STORM DRAIN PIPE AND DROP INLET
- CONCRETE AND/OR ASPHALT PAVED AREAS

NOTES:

OTHER BURIED UTILITY PIPELINES REMOVED DURING DEMOLITION ACTIVITIES, BUT NOT SHOWN.

N

NOT TO SCALE

Kennedy/Jenks Consultants

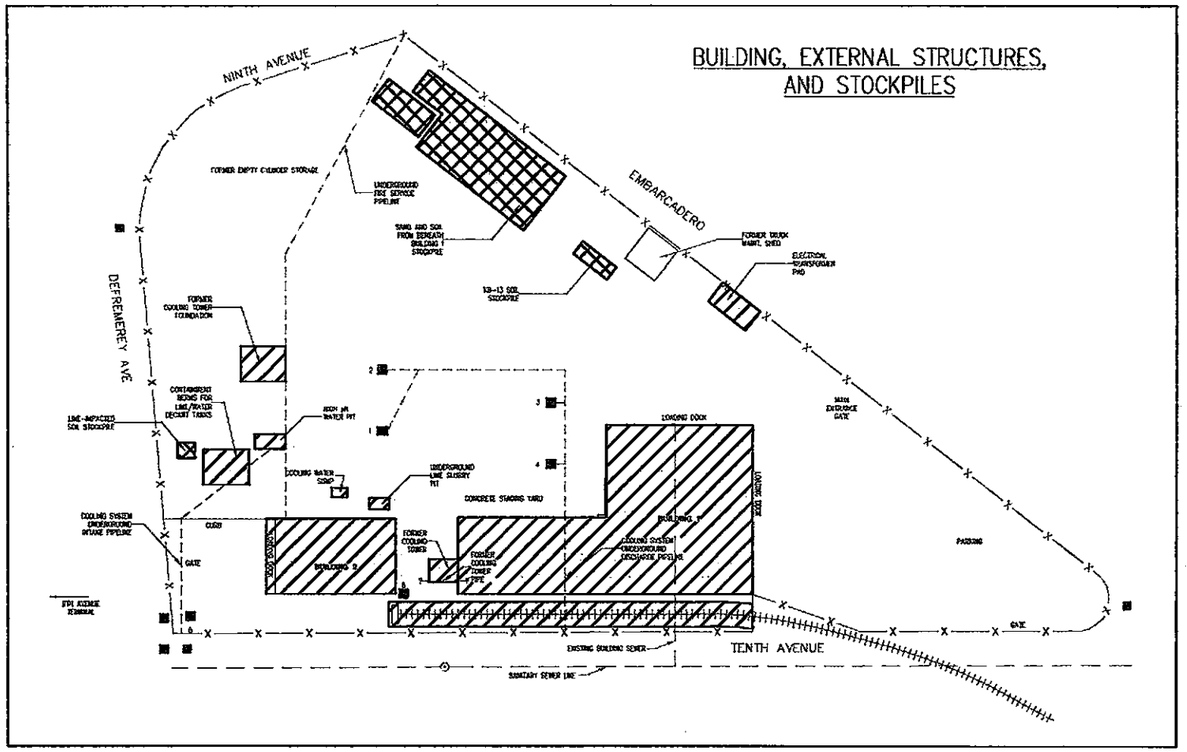
PRAXAIR, INC.
901 EMBARCADERO, OAKLAND, CALIFORNIA

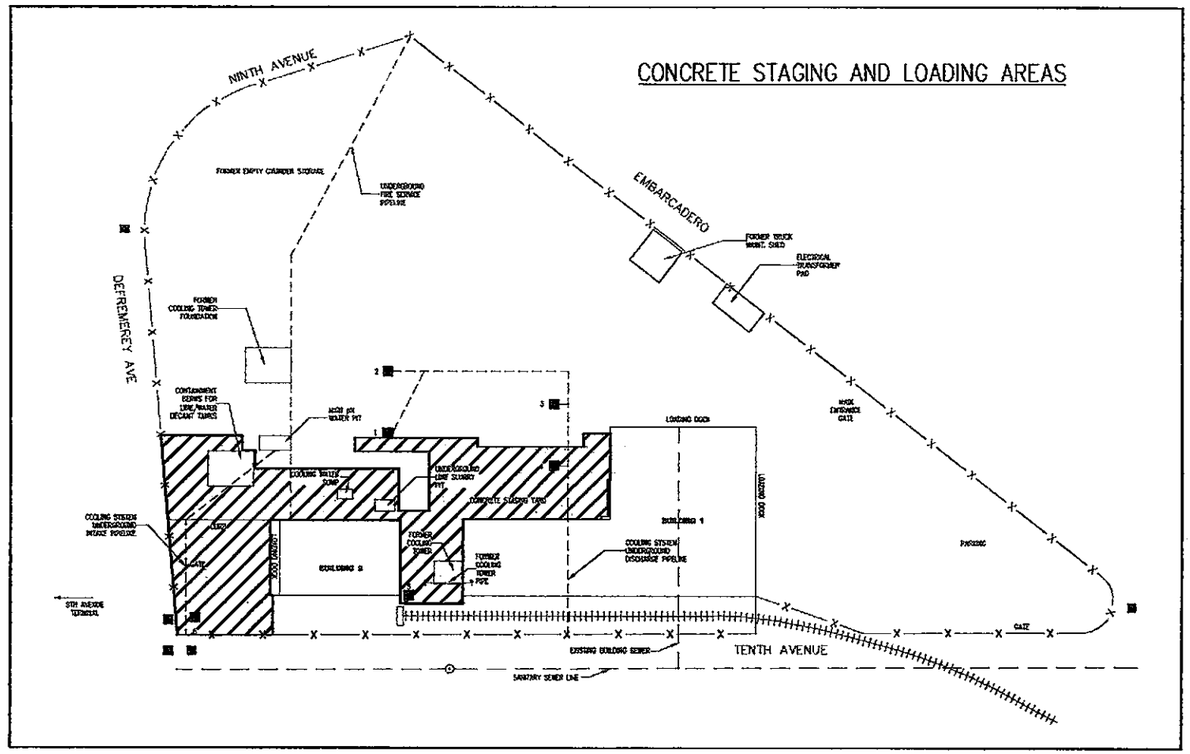
SITE PLAN PRIOR TO DEMOLITION ACTIVITES

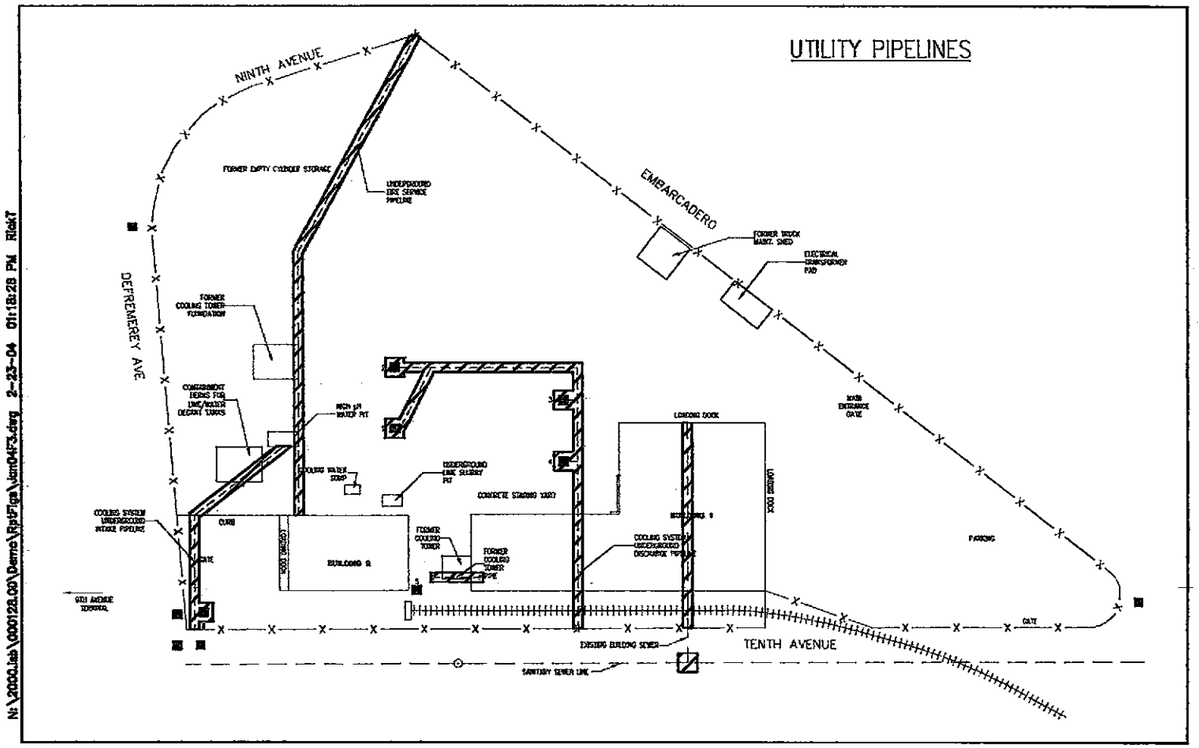
K/J 000128.00
FEBRUARY 2004

FIGURE 2

N:\2000.lab\000128.00\Demo\RptFigs\dan04f2.dwg 2-23-04 01:19:13 PM RGAT







N:\2000\Jak\000128.00\Demo\RptFigs\Jun04F3.dwg 2-23-04 01:18:28 PM Rick7

LEGEND:

- SITE BOUNDARY
- FENCE
- SANITARY SEWER PIPE AND MAINTENANCE HOLE
- RAILROAD TRACK SPUR
- STORM DRAIN PIPE AND DROP INLET
- DISMANTLE/DEMOLISH, REMOVE, AND OFFHAUL FROM SITE
- STOCKPILE AREAS

NOTES:

DEMOLITION ACTIVITIES AT OAKLAND INNER HARBOR SHORELINE NOT SHOWN.

OTHER BURIED UTILITY PIPELINES REMOVED DURING DEMOLITION ACTIVITIES, BUT NOT SHOWN.

N

NOT TO SCALE

Kennedy/Jenks Consultants

PRAXAIR, INC.
901 EMBARCADERO, OAKLAND, CALIFORNIA

LOCATION OF DEMOLITION ACTIVITIES

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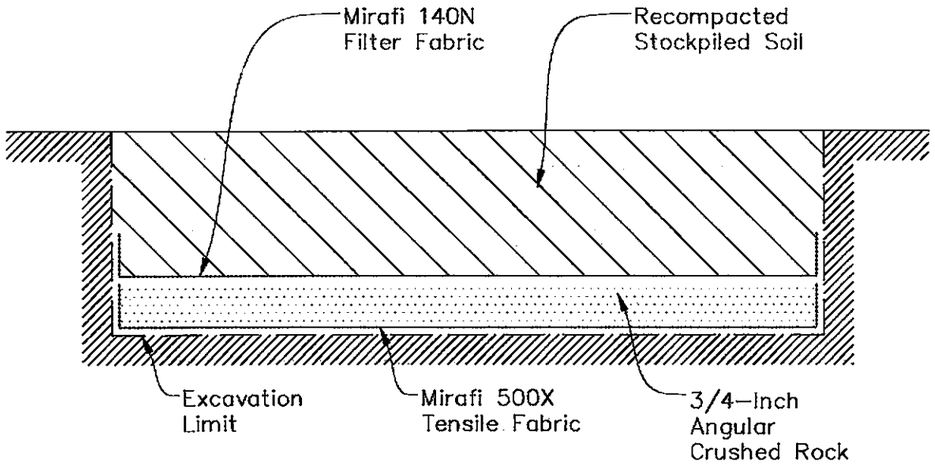
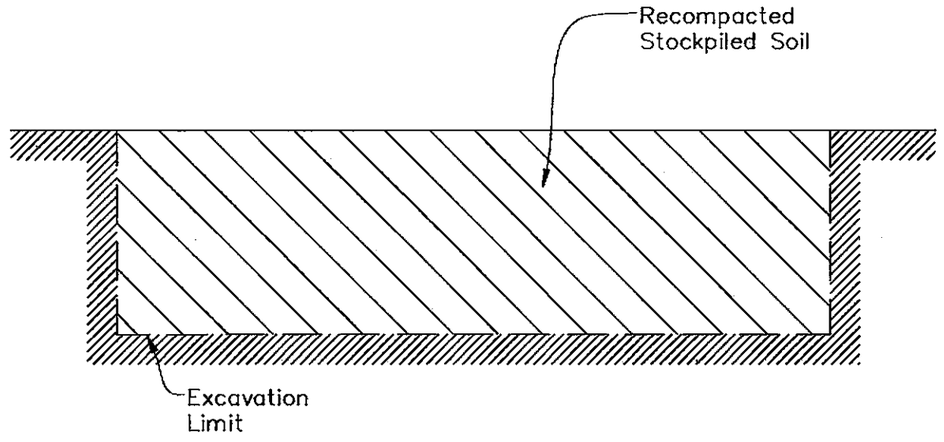
FIGURE 3



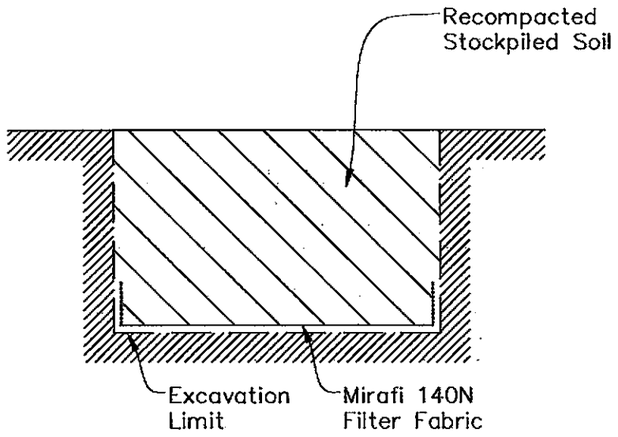
PIT AND TRENCH EXCAVATION BACKFILL IN WET AND/OR SOFT AND PLASTIC SOIL

NOT TO SCALE



UTILITY TRENCH EXCAVATION BACKFILL IN DRY SOIL

NOT TO SCALE



PILE EXCAVATION BACKFILL

NOT TO SCALE

LEGEND

Soil Backfill

Aggregate Backfill

Excavation Limit

Mirafi Fabric

Kennedy/Jenks Consultants

PRAXAIR, INC.
901 EMBARCADERO, OAKLAND, CALIFORNIA

EXCAVATION BACKFILL
TYPICAL CROSS-SECTIONS

K/J 000128.00
FEBRUARY 2004

FIGURE 4

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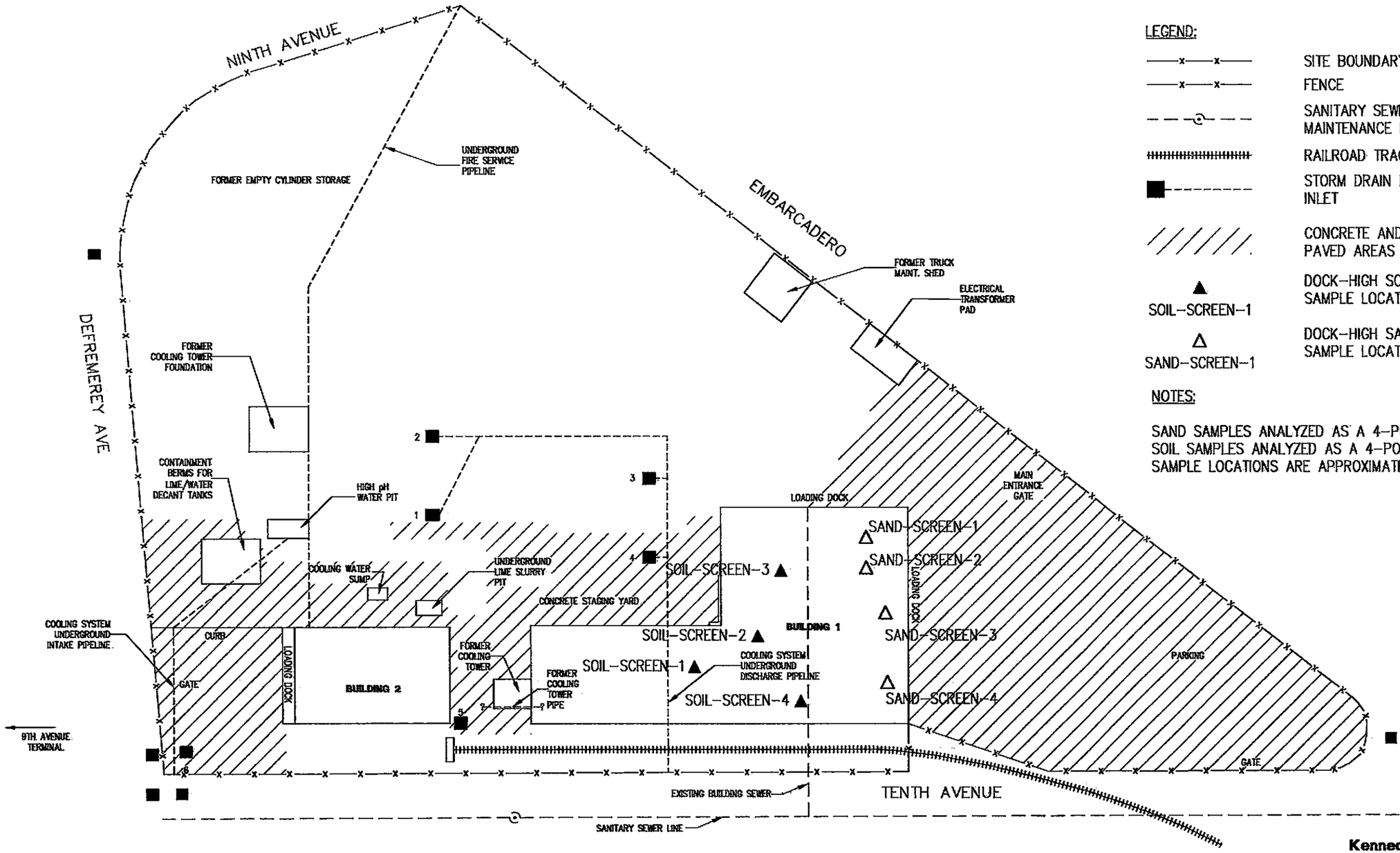

LEGEND:

- SITE BOUNDARY
- FENCE
- SANITARY SEWER PIPE AND MAINTENANCE HOLE
- RAILROAD TRACK SPUR
- STORM DRAIN PIPE AND DROP INLET
- CONCRETE AND/OR ASPHALT PAVED AREAS
- ▲ SOIL-SCREEN-1 — DOCK-HIGH SOIL FILL COMPOSITE SAMPLE LOCATION
- △ SAND-SCREEN-1 — DOCK-HIGH SAND FILL COMPOSITE SAMPLE LOCATION

NOTES:

SAND SAMPLES ANALYZED AS A 4-POINT COMPOSITE.
SOIL SAMPLES ANALYZED AS A 4-POINT COMPOSITE.
SAMPLE LOCATIONS ARE APPROXIMATE.

N

NOT TO SCALE

Kennedy/Jenks Consultants

PRAXAIR, INC.
901 EMBARCADERO, OAKLAND, CALIFORNIA

BUILDING 1 SOIL AND SAND SCREENING SAMPLE LOCATIONS

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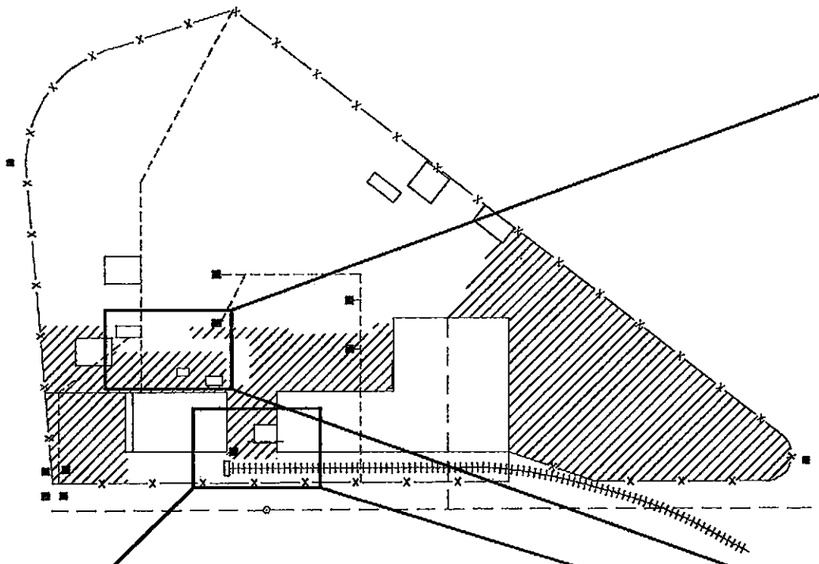
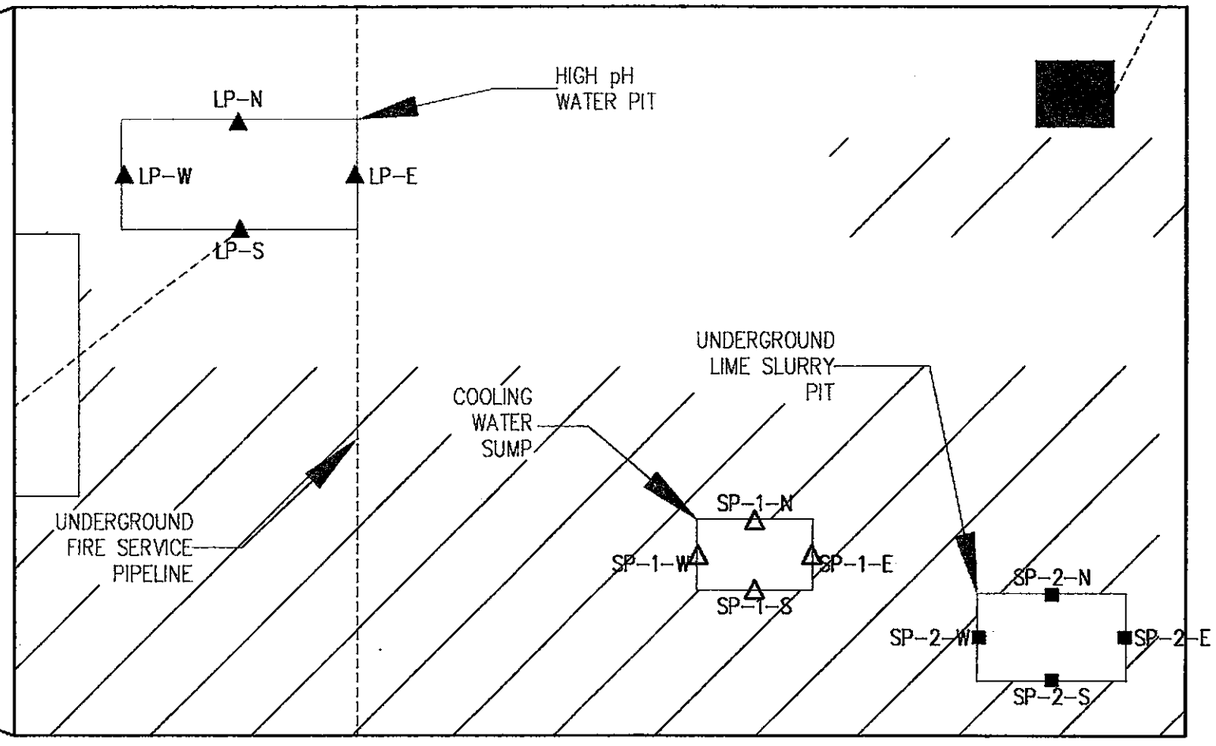
FEBRUARY 2004

FIGURE 5

N:\Civil\Jobs\000128.00\Demo\Rpt-Fig\Jan04FIG.dwg 8-23-04 01:17:38 PM RickT





LEGEND:

SITE BOUNDARY	
FENCE	
SANITARY SEWER PIPE AND MAINTENANCE HOLE	
RAILROAD TRACK SPUR	
STORM DRAIN PIPE AND DROP INLET	
CONCRETE AND/OR ASPHALT PAVED AREAS	
▲ LP-N	HIGH pH WATER PIT EXCAVATION SIDEWALL SOIL SAMPLE
△ SP-1-N	COOLING WATER SUMP EXCAVATION SIDEWALL SOIL SAMPLE
■ SP-2-N	UNDERGROUND LIME SLURRY PIT EXCAVATION SIDEWALL SOIL SAMPLE
□ TOWER SUMP PIPE	DIKED COOLING TOWER SUMP EXCAVATION SIDEWALL SOIL SAMPLE

N

NOT TO SCALE

Kennedy/Jenks Consultants

PRAXAIR, INC.
901 EMBARCADERO, OAKLAND, CALIFORNIA

SUMP POST-EXCAVATION SIDEWALL SAMPLE LOCATIONS

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FEBRUARY 2004

FIGURE 6

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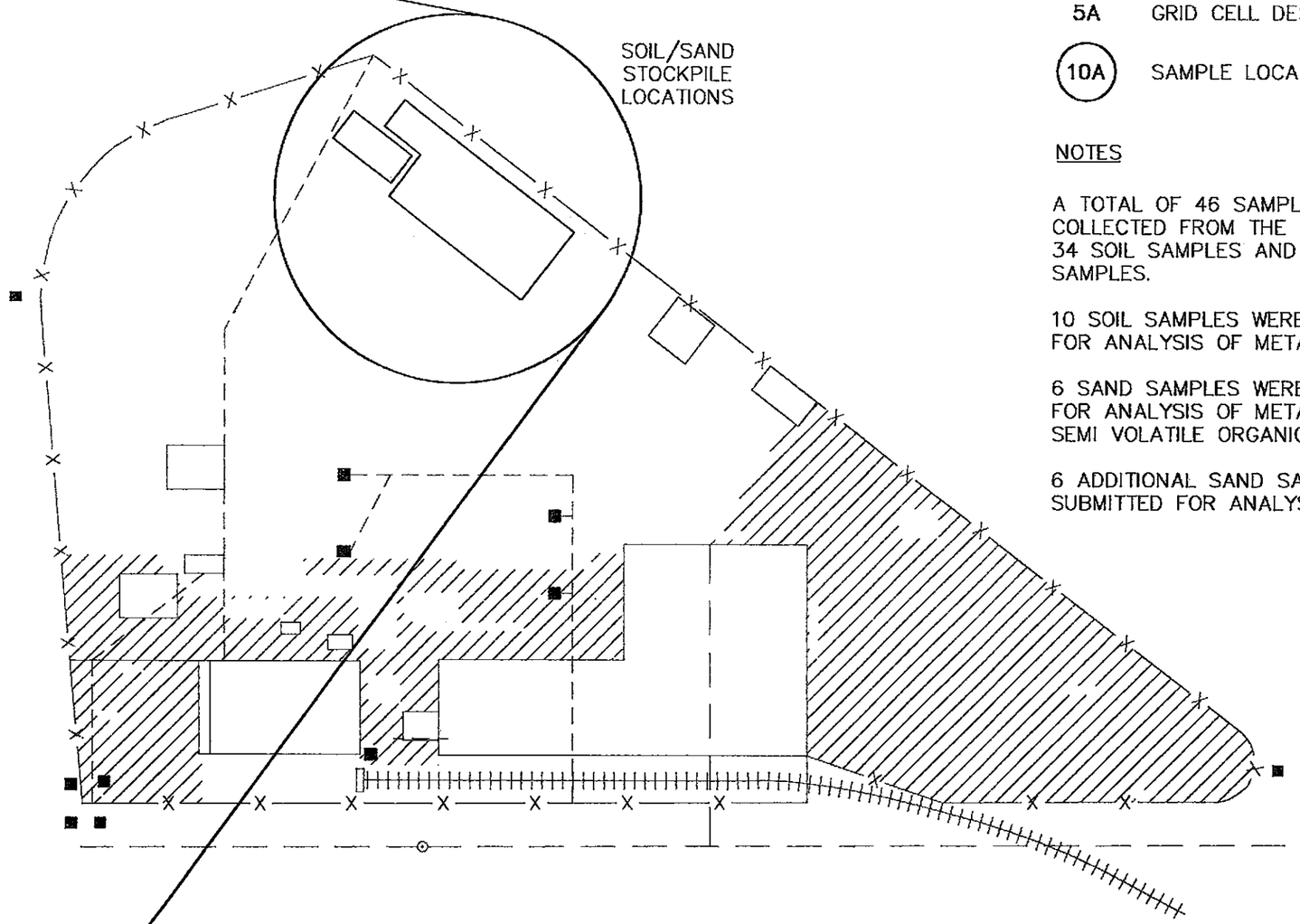
SOIL STOCKPILE

(1A)	1B	2A	(2B)	3A	3B	4A	4B	(5A)	5B
1D	1C	2D	2C	3D	(3C)	(4D)	4C	5D	5C
18A	(18B)	19A	19B	20A	20B	(21A)	21B	6A	(6B)
18D	18C	19D	(19C)	(20D)	20C	21D	21C	6D	6C
(17A)	17B	30A	(30B)	31A	31B	22A	(22B)	7A	7B
17D	17C	30D	30C	31D	(31C)	22D	22C	7D	(7C)
16A	16B	(29A)	29B	32A	32B	23A	23B	8A	8B
(16D)	16C	29D	29C	(32D)	32C	23D	(23C)	(8D)	8C
15A	15B	28A	28B	(33A)	33B	24A	24B	(9A)	9B
15D	(15C)	(28D)	28C	33D	33C	(24D)	24C	9D	9C
14A	(14B)	27A	27B	34A	(34B)	(25A)	25B	10A	(10B)
14D	14C	27D	(27C)	34D	34C	25D	25C	10D	10C

(13A)	13B	26A	(26B)
13D	13C	26D	26C
12A	12B	11A	11B
(12D)	12C	11D	(11C)

SAND STOCKPILE

(1A)	1B	2A	(2B)
1D	1C	2D	2C
12A	12B	3A	3B
(12D)	12C	3D	(3C)
11A	11B	4A	4B
11D	(11C)	(4D)	4C
10A	(10B)	(5A)	5B
10D	10C	5D	5C
(9A)	9B	6A	(6B)
9D	9C	6D	6C
8A	8B	7A	7B
(8D)	8C	7D	(7C)



LEGEND

5A GRID CELL DESIGNATION

(10A) SAMPLE LOCATION

NOTES

A TOTAL OF 46 SAMPLES WERE COLLECTED FROM THE STOCKPILES: 34 SOIL SAMPLES AND 12 SAND SAMPLES.

10 SOIL SAMPLES WERE SUBMITTED FOR ANALYSIS OF METALS AND pH.

6 SAND SAMPLES WERE SUBMITTED FOR ANALYSIS OF METALS, pH, AND SEMI VOLATILE ORGANIC COMPOUNDS.

6 ADDITIONAL SAND SAMPLES WERE SUBMITTED FOR ANALYSIS OF pH.

N

NOT TO SCALE

Kennedy/Jenks Consultants

PRAXAIR, INC.
901 EMBARCADERO, OAKLAND, CALIFORNIA

SOIL AND SAND STOCKPILE SAMPLE LOCATIONS

K/J 000128.00
FEBRUARY 2004

FIGURE 7

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Appendix A

Representative Photographs

Appendix A: Representative Photographs

Photo #1: Building 1 and loading area prior to demolition activities.

Photo #2: Building 2 and loading area prior to demolition activities.

Photo #3: Transite siding was removed from Building 1 during asbestos abatement prior to demolition activities.

Photo #4: Demolition of concrete masonry walls and removal of steel roof girders from Building 2.

Photo #5: Demolition of Building 1 foundation. Note thickness of concrete, large diameter of rebar, and abundance of rebar.

Photo #6: Demolition of Building 1 foundation revealed internal concrete shear walls and abovegrade sand and soil fill.

Photo #7: Sand fill was located along the eastern edge of the Building 1 foundation. Soil fill was located throughout the remainder of the Building 1 foundation.

Photo #8: The Building 2 foundation consisted of a concrete slab on grade, which was demolished using an excavator.

Photo #9: Building 1 foundation soil fill was excavated to expose composite foundation piles.

Photo #10: Timber foundation piles exposed following excavation of Building 1 foundation sand fill.

Photo #11: Sand and soil fill from the Building 1 foundation was stockpiled along the northern portion of the Site.

Photo #12: Timber and composite foundation piles were removed to a depth of approximately five feet below the surrounding ground surface.

Photo #13: Belowground structures, including sumps and pits, were removed and demolished.

Photo #14: Demolition debris was processed by crushing concrete, removing steel reinforcement, and off hauling to appropriate recycling facilities.

Photo #15: Process and utility pipelines were excavated and removed from the Site.

Photo #16: Mirafi fabric and drain rock were used during backfilling in areas where soft, plastic native soil were exposed.

Photo #17: Backfilling foundation pile excavations.

Photo #18: Compaction using a bulldozer equipped with sheepsfoot wheels.

Photo #19: The sand and soil fill from the Building 1 foundation were mixed and used during mass grading of the Site.

Photo #20: The Site following final grading activities. Note placement of silt fence along west and south edge of the Site and hydroseeding on disturbed soil surfaces (green tint).

Appendix B

Analytical Data Reports and Chain-of-Custody Forms

SEVERN TRENT STL

Submission#: 2003-10-0395

Kennedy/Jenks-San Francisco

October 15, 2003

622 Folsom Street
San Francisco, CA 94107-1366

Attn.: Meredith Durant

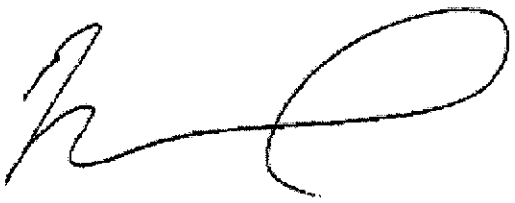
Project#: 000128.00
Site: Oakland

Dear Meredith,

Attached is our report for your samples received on 10/10/2003 17:05
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 11/24/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: vvancil@stl-inc.com

Sincerely,



Vincent Vancil
Project Manager

SEVERN TRENT STL

Submission #: 2003-10-0395

Diesel

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SOIL-SCREEN-1-4	10/10/2003 11:00	Soil	1
SAND-SCREEN-1-4	10/10/2003 10:51	Soil	2

Diesel

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**SOIL-SCREEN-1-4**	Lab ID:	2003-10-0395 - 1
Sampled:	10/10/2003 11:00	Extracted:	10/14/2003 07:28
Matrix:	Soil	QC Batch#:	2003/10/14-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	8.0	1.0	mg/Kg	1.00	10/14/2003 16:48	ndp
Surrogate(s)						
o-Terphenyl	93.2	60-130	%	1.00	10/14/2003 16:48	

Diesel

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**SAND-SCREEN-1-4**	Lab ID:	2003-10-0395 - 2
Sampled:	10/10/2003 10:51	Extracted:	10/14/2003 07:28
Matrix:	Soil	QC Batch#:	2003/10/14-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	4.6	1.0	mg/Kg	1.00	10/14/2003 17:13	ndp
Surrogate(s)						
o-Terphenyl	87.1	60-130	%	1.00	10/14/2003 17:13	

Diesel

Kennedy/Jenks-San Francisco
Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch # 2003/10/14-02.10

MB: 2003/10/14-02.10-001

Date Extracted: 10/14/2003 07:28

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/14/2003 17:47	
Surrogates(s)					
o-Terphenyl	89.6	60-130	%	10/14/2003 17:47	

Diesel

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2003/10/14-02.10**

LCS 2003/10/14-02.10-002 Extracted: 10/14/2003 Analyzed: 10/14/2003 16:46

LCSD 2003/10/14-02.10-003 Extracted: 10/14/2003 Analyzed: 10/14/2003 17:16

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	37.6	38.0	41.6	90.4	91.3	1.0	60-130	25		
Surrogates(s)										
o-Terphenyl	20.7	20.8	20.0	103.4	103.8		60-130	0		

Diesel

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

SEVERN TRENT STL

Submission #: 2003-10-0395

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SOIL-SCREEN-1-4	10/10/2003 11:00	Soil	1
SAND-SCREEN-1-4	10/10/2003 10:51	Soil	2

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SOIL-SCREEN-1-4**	Lab ID:	2003-10-0395 - 1
Sampled:	10/10/2003 11:00	Extracted:	10/13/2003 17:44 10/13/2003 17:40
Matrix:	Soil	QC Batch#:	2003/10/13-05.16 2003/10/13-06.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	10/14/2003 15:44	
Arsenic	3.2	1.0	mg/Kg	1.00	10/14/2003 15:44	
Barium	58	1.0	mg/Kg	1.00	10/14/2003 15:44	
Beryllium	ND	0.50	mg/Kg	1.00	10/14/2003 15:44	
Cadmium	ND	0.50	mg/Kg	1.00	10/14/2003 15:44	
Chromium	23	1.0	mg/Kg	1.00	10/14/2003 15:44	
Cobalt	8.1	1.0	mg/Kg	1.00	10/14/2003 15:44	
Copper	19	1.0	mg/Kg	1.00	10/14/2003 15:44	
Lead	10	1.0	mg/Kg	1.00	10/14/2003 15:44	
Molybdenum	ND	1.0	mg/Kg	1.00	10/14/2003 15:44	
Nickel	26	1.0	mg/Kg	1.00	10/14/2003 15:44	
Selenium	2.8	2.0	mg/Kg	1.00	10/14/2003 15:44	
Silver	ND	1.0	mg/Kg	1.00	10/14/2003 15:44	
Thallium	ND	1.0	mg/Kg	1.00	10/14/2003 15:44	
Vanadium	30	1.0	mg/Kg	1.00	10/14/2003 15:44	
Zinc	57	1.0	mg/Kg	1.00	10/14/2003 15:44	
Mercury	0.24	0.050	mg/Kg	1.00	10/14/2003 13:05	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SAND-SCREEN-1-4**	Lab ID:	2003-10-0395 - 2
Sampled:	10/10/2003 10:51	Extracted:	10/13/2003 17:44 10/13/2003 17:40
Matrix:	Soil	QC Batch#:	2003/10/13-05.16 2003/10/13-06.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	10/14/2003 15:47	
Arsenic	6.1	1.0	mg/Kg	1.00	10/14/2003 15:47	
Barium	35	1.0	mg/Kg	1.00	10/14/2003 15:47	
Beryllium	ND	0.50	mg/Kg	1.00	10/14/2003 15:47	
Cadmium	ND	0.50	mg/Kg	1.00	10/14/2003 15:47	
Chromium	36	1.0	mg/Kg	1.00	10/14/2003 15:47	
Cobalt	13	1.0	mg/Kg	1.00	10/14/2003 15:47	
Copper	10	1.0	mg/Kg	1.00	10/14/2003 15:47	
Lead	4.6	1.0	mg/Kg	1.00	10/14/2003 15:47	
Molybdenum	ND	1.0	mg/Kg	1.00	10/14/2003 15:47	
Nickel	49	1.0	mg/Kg	1.00	10/14/2003 15:47	
Selenium	2.3	2.0	mg/Kg	1.00	10/14/2003 15:47	
Silver	ND	1.0	mg/Kg	1.00	10/14/2003 15:47	
Thallium	ND	1.0	mg/Kg	1.00	10/14/2003 15:47	
Vanadium	34	1.0	mg/Kg	1.00	10/14/2003 15:47	
Zinc	36	1.0	mg/Kg	1.00	10/14/2003 15:47	
Mercury	0.16	0.050	mg/Kg	1.00	10/14/2003 13:06	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Method Blank

Soil

QC Batch # 2003/10/13-05.16

MB: 2003/10/13-05.16-041

Date Extracted: 10/13/2003 17:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	10/14/2003 12:33	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Method Blank

Soil

QC Batch # 2003/10/13-06.15

MB: 2003/10/13-06.15-073

Date Extracted: 10/13/2003 17:40

Compound	Conc.	RL	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	10/14/2003 14:05	
Arsenic	ND	1.0	mg/Kg	10/14/2003 14:05	
Barium	ND	1.0	mg/Kg	10/14/2003 14:05	
Beryllium	ND	0.50	mg/Kg	10/14/2003 14:05	
Cadmium	ND	0.50	mg/Kg	10/14/2003 14:05	
Chromium	ND	1.0	mg/Kg	10/14/2003 14:05	
Cobalt	ND	1.0	mg/Kg	10/14/2003 14:05	
Copper	ND	1.0	mg/Kg	10/14/2003 14:05	
Lead	ND	1.0	mg/Kg	10/14/2003 14:05	
Molybdenum	ND	1.0	mg/Kg	10/14/2003 14:05	
Nickel	ND	1.0	mg/Kg	10/14/2003 14:05	
Selenium	ND	2.0	mg/Kg	10/14/2003 14:05	
Silver	ND	1.0	mg/Kg	10/14/2003 14:05	
Thallium	ND	1.0	mg/Kg	10/14/2003 14:05	
Vanadium	ND	1.0	mg/Kg	10/14/2003 14:05	
Zinc	ND	1.0	mg/Kg	10/14/2003 14:05	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Laboratory Control Spike **Soil** **QC Batch # 2003/10/13-05.16**

LCS 2003/10/13-05.16-042 Extracted: 10/13/2003 Analyzed: 10/14/2003 12:35

LCSD 2003/10/13-05.16-043 Extracted: 10/13/2003 Analyzed: 10/14/2003 12:36

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Mercury	0.513	0.551	0.500	102.6	110.2	7.1	85-115	20		

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2003/10/13-06.15**

LCS 2003/10/13-06.15-074 Extracted: 10/13/2003 Analyzed: 10/14/2003 14:09

LCSD 2003/10/13-06.15-075 Extracted: 10/13/2003 Analyzed: 10/14/2003 14:13

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Antimony	105	105	100.0	105.0	105.0	0.0	80-120	20		
Arsenic	106	105	100.0	106.0	105.0	0.9	80-120	20		
Barium	104	104	100.0	104.0	104.0	0.0	80-120	20		
Beryllium	119	103	100.0	119.0	103.0	14.4	80-120	20		
Cadmium	102	102	100.0	102.0	102.0	0.0	80-120	20		
Chromium	106	106	100.0	106.0	106.0	0.0	80-120	20		
Cobalt	105	104	100.0	105.0	104.0	1.0	80-120	20		
Copper	104	104	100.0	104.0	104.0	0.0	80-120	20		
Lead	104	103	100.0	104.0	103.0	1.0	80-120	20		
Molybdenum	107	107	100.0	107.0	107.0	0.0	80-120	20		
Nickel	104	104	100.0	104.0	104.0	0.0	80-120	20		
Selenium	99.5	97.9	100.0	99.5	97.9	1.6	80-120	20		
Silver	109	109	100.0	109.0	109.0	0.0	80-120	20		
Thallium	103	102	100.0	103.0	102.0	1.0	80-120	20		
Vanadium	105	104	100.0	105.0	104.0	1.0	80-120	20		
Zinc	102	101	100.0	102.0	101.0	1.0	80-120	20		

SEVERN TRENT STL

Submission #: 2003-10-0395

Gas/BTEX by 8015M/8021

Kennedy/Jenks-San Francisco
Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SOIL-SCREEN-1-4	10/10/2003 11:00	Soil	1
SAND-SCREEN-1-4	10/10/2003 10:51	Soil	2

Gas/BTEX by 8015M/8021

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**SOIL-SCREEN-1-4**	Lab ID:	2003-10-0395 - 1
Sampled:	10/10/2003 11:00	Extracted:	10/13/2003 23:11
Matrix:	Soil	QC Batch#:	2003/10/13-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	10/13/2003 23:11	
Benzene	ND	0.0050	mg/Kg	1.00	10/13/2003 23:11	
Toluene	ND	0.0050	mg/Kg	1.00	10/13/2003 23:11	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/13/2003 23:11	
Xylene(s)	ND	0.0050	mg/Kg	1.00	10/13/2003 23:11	
Surrogate(s)						
Trifluorotoluene	85.3	53-125	%	1.00	10/13/2003 23:11	
4-Bromofluorobenzene-FID	71.8	58-124	%	1.00	10/13/2003 23:11	

Gas/BTEX by 8015M/8021

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	**SAND-SCREEN-1-4**	Lab ID:	2003-10-0395 - 2
Sampled:	10/10/2003 10:51	Extracted:	10/14/2003 14:07
Matrix:	Soil	QC Batch#:	2003/10/14-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	10/14/2003 14:07	
Benzene	ND	0.0050	mg/Kg	1.00	10/14/2003 14:07	
Toluene	ND	0.0050	mg/Kg	1.00	10/14/2003 14:07	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/14/2003 14:07	
Xylene(s)	ND	0.0050	mg/Kg	1.00	10/14/2003 14:07	
Surrogate(s)						
Trifluorotoluene	92.9	53-125	%	1.00	10/14/2003 14:07	
4-Bromofluorobenzene-FID	102.0	58-124	%	1.00	10/14/2003 14:07	

Gas/BTEX by 8015M/8021

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Batch QC Report

Prep(s): 5035 | Test(s): 8015M

Method Blank | **Soil** | **QC Batch # 2003/10/13-01.04**

MB: 2003/10/13-01.04-008 | Date Extracted: 10/13/2003 09:53

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	10/13/2003 09:53	
Benzene	ND	0.0050	mg/Kg	10/13/2003 09:53	
Toluene	ND	0.0050	mg/Kg	10/13/2003 09:53	
Ethyl benzene	ND	0.0050	mg/Kg	10/13/2003 09:53	
Xylene(s)	ND	0.0050	mg/Kg	10/13/2003 09:53	
Surrogates(s)					
Trifluorotoluene	71.1	53-125	%	10/13/2003 09:53	
4-Bromofluorobenzene-FID	71.9	58-124	%	10/13/2003 09:53	

Gas/BTEX by 8015M/8021

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Method Blank **Soil** **QC Batch # 2003/10/14-01.01**

MB: 2003/10/14-01.01-003 Date Extracted: 10/14/2003 09:11

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	10/14/2003 09:11	
Benzene	ND	0.0050	mg/Kg	10/14/2003 09:11	
Toluene	ND	0.0050	mg/Kg	10/14/2003 09:11	
Ethyl benzene	ND	0.0050	mg/Kg	10/14/2003 09:11	
Xylene(s)	ND	0.0050	mg/Kg	10/14/2003 09:11	
Surrogates(s)					
Trifluorotoluene	93.5	53-125	%	10/14/2003 09:11	
4-Bromofluorobenzene-FID	100.3	58-124	%	10/14/2003 09:11	

Gas/BTEX by 8015M/8021

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2003/10/13-01.04**

LCS 2003/10/13-01.04-002 Extracted: 10/13/2003 Analyzed: 10/13/2003 06:46

LCSD 2003/10/13-01.04-003 Extracted: 10/13/2003 Analyzed: 10/13/2003 07:17

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	0.497	0.480	0.500	99.4	96.0	3.5	75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	457	450	500	91.4	90.0		58-124			

Gas/BTEX by 8015M/8021

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Laboratory Control Spike **Soil** **QC Batch # 2003/10/13-01.04**

LCS 2003/10/13-01.04-006 Extracted: 10/13/2003 Analyzed: 10/13/2003 08:50

LCSD 2003/10/13-01.04-007 Extracted: 10/13/2003 Analyzed: 10/13/2003 09:21

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.0911	0.0935	0.1000	91.1	93.5	2.6	77-123	35		
Toluene	0.0916	0.0939	0.1000	91.6	93.9	2.5	78-122	35		
Ethyl benzene	0.0913	0.0952	0.1000	91.3	95.2	4.2	70-130	35		
Xylene(s)	0.270	0.277	0.300	90.0	92.3	2.5	75-125	35		
Surrogates(s)										
Trifluorotoluene	455	474	500	91.0	94.8		53-125			

Gas/BTEX by 8015M/8021

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike | **Soil** | **QC Batch # 2003/10/14-01.01**

LCS 2003/10/14-01.01-004 Extracted: 10/14/2003 Analyzed: 10/14/2003 09:43

LCSD 2003/10/14-01.01-005 Extracted: 10/14/2003 Analyzed: 10/14/2003 10:15

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.104	0.103	0.1000	104.0	103.0	1.0	77-123	35		
Toluene	0.103	0.102	0.1000	103.0	102.0	1.0	78-122	35		
Ethyl benzene	0.106	0.101	0.1000	106.0	101.0	4.8	70-130	35		
Xylene(s)	0.311	0.301	0.300	103.7	100.3	3.3	75-125	35		
Surrogates(s)										
Trifluorotoluene	482	511	500	96.4	102.2		53-125			

SEVERN TRENT STL

Submission #: 2003-10-0395

Gas/BTEX by 8015M/8021

Kennedy/Jenks-San Francisco
Attn : Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/10/2003 17:05

Site: Oakland

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2003/10/14-01.01**

LCS 2003/10/14-01.01-006 Extracted: 10/14/2003 Analyzed: 10/14/2003 10:48

LCSD 2003/10/14-01.01-007 Extracted: 10/14/2003 Analyzed: 10/14/2003 11:20

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	0.469	0.519	0.500	93.8	103.8	10.1	75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	462	533	500	92.4	106.6		58-124			

Sample Chain-of-Custody/Analysis Request 2003-10-0395 Kennedy/Jenks Consultants

Possible Hazards: Analytes

Client: Praxair Oakland | Report to: Meredith Duvant

Site: Oakland | Company: Kennedy Jenks

Project No.: 000129.00 | Address: 622 Folsom St SF, CA 94107

Sampler Name: J Farrell | Telephone: 415 243 2506 | Fax: 415 896 0999

Lab Destination: STL San Francisco

Address: Quarry Lane Pleasanton CA

Telephone: 1925 484 1919

Carrier/Way Bill No.:

(1) Lab ID No.	(1) Client ID No.	Collection Date	Collection Time	(2) Type	Depth	(3) Comp.	(4) Pres.	Turn-around	(5) Analyses Requested: Metals (Title 22) CAM 17	(5) TPHd, TPHg, BTEX, 8021, 8015	Comment/Conditions (container type, container number, etc.)
	Soil Screen - 1	10/10/03	1100	Soil	-	yes	Non	(3-Day)	X	X	4:1 Composite
	Soil - Screen - 2	10/10/03	1101		-				X	X	
	Soil - Screen - 3	10/10/03	1102		-				X	X	
	Soil - Screen - 4	10/10/03	1103		-				X	X	
	Sand - Screen - 1	10/10/03	1051		-	yes			X	X	5.7°C
	Sand - Screen - 2	10/10/03	1052		-				X	X	4:1 Composite
	Sand - Screen - 3	10/10/03	1053		-				X	X	
	Sand - Screen - 4	10/10/03	1054		-				X	X	
											4 containers for two 4:1 composite samples

RUSH

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analysis requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

Sample Relinquished By					Sample Received By				
Print Name	Signature	Company	Date	Time	Print Name	Signature	Company	Date	Time
Jason Farrell	J Farrell	Kennedy Jenks	10/10/03	1155	[illegible]	[illegible]	STL - SF	10/10/03	1155
[illegible]	[illegible]	STL - SF	10/10/03	1705					
					Nourick	[illegible]	STL SF	10/10/03	1705

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2003- 10 - 0395

Checklist completed by: (initials) CR Date: 10/13/03

Courier name: ☑ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes___ No___	Not Present ✓
Chain of custody present?	Yes ✓	No___
Chain of custody signed when relinquished and received?	Yes ✓	No___
Chain of custody agrees with sample labels?	Yes ✓	No___
Samples in proper container/bottle?	Yes ✓	No___
Sample containers intact?	Yes ✓	No___
Sufficient sample volume for indicated test?	Yes ✓	No___
All samples received within holding time?	Yes ✓	No___
Container/Temp Blank temperature in compliance (4^{o} C ± 2)?	Temp: 5.7 °C Yes ✓	No___
	Ice Present Yes ✓	No___
Water - VOA vials have zero headspace?	No VOA vials submitted ✓ Yes___	No___

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

Water - **pH acceptable upon receipt?** ☑ Yes ☐ No

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

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

Comments: _____

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

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

Client contacted: ☐ Yes ☐ No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

SEVERN TRENT STL

Submission#: 2003-10-0764

Kennedy/Jenks-San Francisco

October 28, 2003

622 Folsom Street
San Francisco, CA 94107-1366

Attn.: Meredith Durant

Project#: 000128.00
Project: Praxair-Oakland
Site: 901 Embarcadero

Dear Meredith,

Attached is our report for your samples received on 10/21/2003 15:20
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 12/05/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission #: 2003-10-0764

pH

Kennedy/Jenks-San Francisco
Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1-W	10/20/2003 11:29	Soil	1
LP-E	10/20/2003 12:37	Soil	12

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	SP-1-W	Lab ID:	2003-10-0764 - 1
Sampled:	10/20/2003 11:29	Extracted:	10/28/2003 07:00
Matrix:	Soil	QC Batch#:	2003/10/28-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	8.0	0.1	SU	1.00	10/28/2003 07:00	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**LP-E**	Lab ID:	2003-10-0764 - 12
Sampled:	10/20/2003 12:37	Extracted:	10/28/2003 07:00
Matrix:	Soil	QC Batch#:	2003/10/28-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	8.8	0.1	SU	1.00	10/28/2003 07:00	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

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San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Batch QC Report

Prep(s): 9045C

Test(s): 9045C

Method Blank

Soil

QC Batch # 2003/10/28-01.22

MB: 2003/10/28-01.22-001

Date Extracted: 10/28/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
pH	7.05	0.1	SU	10/28/2003	

SEVERN TRENT STL

Submission #: 2003-10-0764

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1-N	10/20/2003 11:36	Soil	2
SP-1-S	10/20/2003 11:41	Soil	3
SP-1-E	10/20/2003 11:45	Soil	4
SP-2-W	10/20/2003 11:50	Soil	5
SP-2-E	10/20/2003 12:00	Soil	6
SP-2-S	10/20/2003 12:05	Soil	7
SP-2-N	10/20/2003 12:12	Soil	8
LP-W	10/20/2003 12:20	Soil	9
LP-S	10/20/2003 12:25	Soil	10
LP-N	10/20/2003 12:30	Soil	11

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SP-1-N**	Lab ID:	2003-10-0764 - 2
Sampled:	10/20/2003 11:36	Extracted:	10/28/2003 10:36
Matrix:	Soil	QC Batch#:	2003/10/28-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.5	0.1	SU	1.00	10/28/2003 10:36	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SP-1-S**	Lab ID:	2003-10-0764 - 3
Sampled:	10/20/2003 11:41	Extracted:	10/28/2003 10:36
Matrix:	Soil	QC Batch#:	2003/10/28-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	6.3	0.1	SU	1.00	10/28/2003 10:36	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SP-1-E**	Lab ID:	2003-10-0764 - 4
Sampled:	10/20/2003 11:45	Extracted:	10/28/2003 10:36
Matrix:	Soil	QC Batch#:	2003/10/28-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	6.7	0.1	SU	1.00	10/28/2003 10:36	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Prep(s): 9045C
Test(s): 9045C
Sample ID: **SP-2-W**
Lab ID: 2003-10-0764 - 5
Sampled: 10/20/2003 11:50
Extracted: 10/28/2003 10:36
Matrix: Soil
QC Batch#: 2003/10/28-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	6.8	0.1	SU	1.00	10/28/2003 10:36	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SP-2-E**	Lab ID:	2003-10-0764 - 6
Sampled:	10/20/2003 12:00	Extracted:	10/28/2003 10:36
Matrix:	Soil	QC Batch#:	2003/10/28-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	8.7	0.1	SU	1.00	10/28/2003 10:36	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Prep(s): 9045C
Test(s): 9045C
Sample ID: **SP-2-S**
Lab ID: 2003-10-0764 - 7
Sampled: 10/20/2003 12:05
Extracted: 10/28/2003 10:36
Matrix: Soil
QC Batch#: 2003/10/28-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.1	0.1	SU	1.00	10/28/2003 10:36	

pH

Kennedy/Jenks-San Francisco
Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SP-2-N**	Lab ID:	2003-10-0764 - 8
Sampled:	10/20/2003 12:12	Extracted:	10/28/2003 10:36
Matrix:	Soil	QC Batch#:	2003/10/28-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.9	0.1	SU	1.00	10/28/2003 10:36	

pH

Kennedy/Jenks-San Francisco
Attn.: Meredith Durant

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San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**LP-W**	Lab ID:	2003-10-0764 - 9
Sampled:	10/20/2003 12:20	Extracted:	10/28/2003 10:36
Matrix:	Soil	QC Batch#:	2003/10/28-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.6	0.1	SU	1.00	10/28/2003 10:36	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**LP-S**	Lab ID:	2003-10-0764 - 10
Sampled:	10/20/2003 12:25	Extracted:	10/28/2003 10:36
Matrix:	Soil	QC Batch#:	2003/10/28-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.2	0.1	SU	1.00	10/28/2003 10:36	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**LP-N**	Lab ID:	2003-10-0764 - 11
Sampled:	10/20/2003 12:30	Extracted:	10/28/2003 10:36
Matrix:	Soil	QC Batch#:	2003/10/28-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	5.2	0.1	SU	1.00	10/28/2003 10:36	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/21/2003 15:20

Site: 901 Embarcadero

Batch QC Report

Prep(s): 9045C
Method Blank
MB: 2003/10/28-01.22-001

Soil

Test(s): 9045C
QC Batch # 2003/10/28-01.22
Date Extracted: 10/28/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
pH	7.05	0.1	SU	10/28/2003	

78065

Sample Chain-of-Custody/Analysis Request 2003-10-0764 Kennedy/Jenks Consultants

Possible Hazards ANALYTES

Client PRAXAIR-OAKLAND | Report to MEREDITH DURANT

Site 901 EMBARCADERO | Company KENNEDY/JENKS

Project No. 000128.05 | Address 622 FOLSOM ST.

Sampler Name R. TELZON | SF, CA 94107

Telephone 415-243-2442 | Fax 415-896-0999

Lab Destination STL SAN FRANCISCO

Address 1220 QUARRY LANE

PLEASANTON, CA 94566

Telephone 925-484-1919

Carrier/Way Bill No.

(1) Lab ID No.	(1) Client ID No.	Collection Date	Collection Time	(2) Type	Depth	(3) Comp.	(4) Pres.	Turn-around	(5) TPH	Comment/Conditions (container type, container number, etc.)
	SP-1-W	10/20/03	1129	S	–	NO	4°C		X	
	SP-1-N	10/20/03	1136		–					
	SP-1-S	10/20/03	1141		–					
	SP-1-E	10/20/03	1145		–					
	SP-2-W	10/20/03	1150		–					
	SP-2-E	10/20/03	1202		–					2.6°C
	SP-2-S	10/20/03	1205		–					
	SP-2-N	10/20/03	1212		–					
	LP-W	10/20/03	1220		–					
	LP-S	10/20/03	1225		–					
	LP-N	10/20/03	1230		–					

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analysis requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

Sample Relinquished By					Sample Received By				
Print Name	Signature	Company	Date	Time	Print Name	Signature	Company	Date	Time
RICK TELZON	Rick Telzon	KENNEDY/JENKS	10/21/03		K Morrow		STL-SF	10/21/03	1027
K Morrow	K Morrow	STL-SF	10/21/03	1520					
					Nouna K.		STL-SF	10/21/03	1526

Sample Chain-of-Custody/Analysis Request 2003-10-0764 Kennedy/Jenks Consultants

Possible Hazards ANALYTES

Client PRAXAIR - OAKLAND | Report to MEREDITH DURANT | Lab Destination STL SAN FRANCISCO

Site 901 EMBARCADERO | Company KENNEDY / JENKS | Address 1220 QUARRY LANE

Project No. 000128.00 | Address 622 FOLSOM ST. | PLEASANTON, CA 94566

Sampler Name R. TECZON | SF, CA 94107 | Telephone 925 - 484 - 1919

Telephone 415 - 243 - 2442 | Fax 415 - 896 - 0999 | Carrier/Way Bill No.

(1) Lab ID No.	(1) Client ID No.	Collection Date	Time	(2) Type	Depth	(3) Comp.	(4) Pres.	Turn around	(5) Analyses Requested: TPH	Comment/Conditions (container type, container number, etc.)
	LP-E	10/20/03	1237	S	-	NO	48		X	
										2-6°C

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analysis requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

Sample Relinquished By: Print Name	Signature	Company	Date	Time	Sample Received By: Print Name	Signature	Company	Date	Time
RICK TECZON	Rick Tecson Jr.	KENNEDY/JENKS	10/21/03		B Morton		STL-SF	10/21/3	1027
B Morton		STL-SF	10/21/3	1546					
					Nouna K.		STL-SF	10/21/3	1526

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2003- 10 - 0764

Checklist completed by: (initials) JM Date: 10 /22 /03

Courier name: ☑ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes____ No____	Not Present ✓
Chain of custody present?	Yes ✓	No____
Chain of custody signed when relinquished and received?	Yes ✓	No____
Chain of custody agrees with sample labels?	Yes ✓	No____
Samples in proper container/bottle?	Yes ✓	No____
Sample containers intact?	Yes ✓	No____
Sufficient sample volume for indicated test?	Yes ✓	No____
All samples received within holding time?	Yes ✓	No____
Container/Temp Blank temperature in compliance (4^{o} C ± 2)?	Temp: 2.6 °C Yes ✓	No____
	Ice Present Yes ✓	No____
Water - VOA vials have zero headspace?	No VOA vials submitted ~~____~~ Yes____	No____

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

Water - **pH acceptable upon receipt?** ☐ Yes ☐ No Soil

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

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

Comments: Soil

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

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

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

SEVERN TRENT STL

Submission#: 2003-10-0951

Kennedy/Jenks-San Francisco

November 04, 2003

622 Folsom Street
San Francisco, CA 94107-1366
Attn.: Meredith Durant
Project#: 000128.00
Site: Praxair Oakland

Dear Meredith,

Attached is our report for your samples received on 10/24/2003 17:05
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 12/08/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission #: 2003-10-0951

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SOIL-1A	10/24/2003 09:30	Soil	1
SOIL-18B	10/24/2003 09:48	Soil	2
SOIL-21A	10/24/2003 09:50	Soil	3
SOIL-30B	10/24/2003 10:04	Soil	4
SOIL-8D	10/24/2003 10:20	Soil	5
SOIL-28D	10/24/2003 11:05	Soil	6
SOIL-27C	10/24/2003 11:22	Soil	7
SOIL-23C	10/24/2003 10:35	Soil	8
SOIL-13A	10/24/2003 11:32	Soil	9
SOIL-11C	10/24/2003 11:44	Soil	10

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SOIL-1A**	Lab ID:	2003-10-0951 - 1
Sampled:	10/24/2003 09:30	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.9	0.1	SU	1.00	10/30/2003	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SOIL-18B**	Lab ID:	2003-10-0951 - 2
Sampled:	10/24/2003 09:48	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	8.2	0.1	SU	1.00	10/30/2003	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SOIL-21A**	Lab ID:	2003-10-0951 - 3
Sampled:	10/24/2003 09:50	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	8.6	0.1	SU	1.00	10/30/2003	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Prep(s): 9045C

Test(s): 9045C

Sample ID: **SOIL-30B**

Lab ID: 2003-10-0951 - 4

Sampled: 10/24/2003 10:04

Extracted: 10/29/2003 00:00

Matrix: Soil

QC Batch#: 2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	9.1	0.1	SU	1.00	10/30/2003	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SOIL-8D**	Lab ID:	2003-10-0951 - 5
Sampled:	10/24/2003 10:20	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.4	0.1	SU	1.00	10/30/2003	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SOIL-28D**	Lab ID:	2003-10-0951 - 6
Sampled:	10/24/2003 11:05	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.0	0.1	SU	1.00	10/30/2003	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SOIL-27C**	Lab ID:	2003-10-0951 - 7
Sampled:	10/24/2003 11:22	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.2	0.1	SU	1.00	10/30/2003	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SOIL-23C**	Lab ID:	2003-10-0951 - 8
Sampled:	10/24/2003 10:35	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.9	0.1	SU	1.00	10/30/2003	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

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San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SOIL-13A**	Lab ID:	2003-10-0951 - 9
Sampled:	10/24/2003 11:32	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.0	0.1	SU	1.00	10/30/2003	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SOIL-11C**	Lab ID:	2003-10-0951 - 10
Sampled:	10/24/2003 11:44	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.7	0.1	SU	1.00	10/30/2003	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Batch QC Report

Prep(s): 9040B/150.1

Test(s): 9040B/150.1

Method Blank

Water

QC Batch # 2003/10/29-01.22

MB: 2003/10/29-01.22-001

Date Extracted: 10/29/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
pH	7.03	0.1	SU	10/29/2003	

2003-10-0951

79523 1 of 1

Sample Chain-of-Custody/Analysis Request

Kennedy/Jenks Consultants

Possible Hazards: Analytes

Client: Kennedy Jenks | Report to: Mark McDonald

Site: Possair Oakland | Company: Kennedy Jenks

Project No.: 000128.00 | Address: 200 Sansome St. SF, CA 94107

Sampler Name: J. Ferrell | Telephone: 415 243 2506 | Fax: 415 896 0999

Lab Destination: STL SF

Address: Quarry Lane Pleasanton, CA

Telephone: 925 484 1919

Carrier/Way Bill No.:

(1) Lab ID No.	(1) Client ID No.	Collection Date	Collection Time	(2) Type	Depth	(3) Comp.	(4) Pres.	Turn around	(5) Analyses Requested: pH, CAM 17 Metals	Comment/Conditions (container type, container number, etc.)
	Soil-1A	10/24/03	0930	Soil	-	-	None	std	X	1 Brass sleeve
	Soil-18B	10/24/03	0948	Soil	-	-	None	std	X	
	Soil-21A	10/24/03	0950	Soil	-	-	None	std	X	
	Soil-30B	10/24/03	1004	Soil	-	-	None	std	X	
	Soil-8D	10/24/03	1020	Soil	-	-	None	std	X	
	Soil-28D	10/24/03	1105	Soil	-	-	None	std	X	
	Soil-27C	10/24/03	1122	Soil	-	-	None	std	X	
	Soil-23C	10/24/03	1035	Soil	-	-	None	std	X	
	Soil-13A	10/24/03	1132	Soil	-	-	None	std	X	
	Soil-11C	10/24/03	1144	Soil	-	-	None	std	X	4.0°C

(1) Write only one sample number in each space.

(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.

(3) Mark each sample which should be composited in Laboratory as follows: Place an "X" in box for each sample that should be composited into one sample; use sequential letter for additional groups.

(4) Preservation of sample.

(5) Write each analysis requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

Sample Relinquished By: Print Name	Signature	Company	Date	Time	Sample Received By: Print Name	Signature	Company	Date	Time
Jason Ferrell		Kennedy Jenks	10/24/03	1310					
R. Allen		STL-SF	10/24/03	1710					
					Roderyn Miller		STL-SR	10/24	1810
					Denise Harrington, D. Harrington		STL-SF	10/24/03	1705

SEVERN TRENT STL

Submission #: 2003-10-0951

CAM 17 Metals

Kennedy/Jenks-San Francisco

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Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SOIL-1A	10/24/2003 09:30	Soil	1
SOIL-18B	10/24/2003 09:48	Soil	2
SOIL-21A	10/24/2003 09:50	Soil	3
SOIL-30B	10/24/2003 10:04	Soil	4
SOIL-8D	10/24/2003 10:20	Soil	5
SOIL-28D	10/24/2003 11:05	Soil	6
SOIL-27C	10/24/2003 11:22	Soil	7
SOIL-23C	10/24/2003 10:35	Soil	8
SOIL-13A	10/24/2003 11:32	Soil	9
SOIL-11C	10/24/2003 11:44	Soil	10

CAM 17 Metals

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Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SOIL-1A**	Lab ID:	2003-10-0951 - 1
Sampled:	10/24/2003 09:30	Extracted:	10/30/2003 05:55 10/30/2003 05:49
Matrix:	Soil	QC Batch#:	2003/10/30-01.16 2003/10/30-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/03/2003 18:08	
Arsenic	3.3	1.0	mg/Kg	1.00	11/03/2003 18:08	
Barium	68	1.0	mg/Kg	1.00	11/03/2003 18:08	
Beryllium	ND	0.50	mg/Kg	1.00	11/03/2003 18:08	
Cadmium	ND	0.50	mg/Kg	1.00	11/03/2003 18:08	
Chromium	22	1.0	mg/Kg	1.00	11/03/2003 18:08	
Cobalt	6.3	1.0	mg/Kg	1.00	11/03/2003 18:08	
Copper	18	1.0	mg/Kg	1.00	11/03/2003 18:08	
Lead	13	1.0	mg/Kg	1.00	11/03/2003 18:08	
Molybdenum	ND	1.0	mg/Kg	1.00	11/03/2003 18:08	
Nickel	24	1.0	mg/Kg	1.00	11/03/2003 18:08	
Selenium	ND	2.0	mg/Kg	1.00	11/03/2003 18:08	
Silver	ND	1.0	mg/Kg	1.00	11/03/2003 18:08	
Thallium	ND	1.0	mg/Kg	1.00	11/03/2003 18:08	
Vanadium	29	1.0	mg/Kg	1.00	11/03/2003 18:08	
Zinc	35	1.0	mg/Kg	1.00	11/03/2003 18:08	
Mercury	0.074	0.050	mg/Kg	1.00	10/30/2003 11:59	

SEVERN TRENT STL

Submission #: 2003-10-0951

CAM 17 Metals

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Site: Praxair Oakland

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SOIL-18B**	Lab ID:	2003-10-0951 - 2
Sampled:	10/24/2003 09:48	Extracted:	10/30/2003 05:55 10/30/2003 05:49
Matrix:	Soil	QC Batch#:	2003/10/30-01.16 2003/10/30-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/03/2003 18:12	
Arsenic	3.7	1.0	mg/Kg	1.00	11/03/2003 18:12	
Barium	69	1.0	mg/Kg	1.00	11/03/2003 18:12	
Beryllium	ND	0.50	mg/Kg	1.00	11/03/2003 18:12	
Cadmium	ND	0.50	mg/Kg	1.00	11/03/2003 18:12	
Chromium	24	1.0	mg/Kg	1.00	11/03/2003 18:12	
Cobalt	7.3	1.0	mg/Kg	1.00	11/03/2003 18:12	
Copper	23	1.0	mg/Kg	1.00	11/03/2003 18:12	
Lead	12	1.0	mg/Kg	1.00	11/03/2003 18:12	
Molybdenum	ND	1.0	mg/Kg	1.00	11/03/2003 18:12	
Nickel	26	1.0	mg/Kg	1.00	11/03/2003 18:12	
Selenium	ND	2.0	mg/Kg	1.00	11/03/2003 18:12	
Silver	ND	1.0	mg/Kg	1.00	11/03/2003 18:12	
Thallium	ND	1.0	mg/Kg	1.00	11/03/2003 18:12	
Vanadium	32	1.0	mg/Kg	1.00	11/03/2003 18:12	
Zinc	50	1.0	mg/Kg	1.00	11/03/2003 18:12	
Mercury	0.40	0.050	mg/Kg	1.00	10/30/2003 12:00	

CAM 17 Metals

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Site: Praxair Oakland

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SOIL-21A**	Lab ID:	2003-10-0951 - 3
Sampled:	10/24/2003 09:50	Extracted:	10/30/2003 05:55 10/30/2003 05:49
Matrix:	Soil	QC Batch#:	2003/10/30-01.16 2003/10/30-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/03/2003 18:15	
Arsenic	3.3	1.0	mg/Kg	1.00	11/03/2003 18:15	
Barium	90	1.0	mg/Kg	1.00	11/03/2003 18:15	
Beryllium	ND	0.50	mg/Kg	1.00	11/03/2003 18:15	
Cadmium	ND	0.50	mg/Kg	1.00	11/03/2003 18:15	
Chromium	26	1.0	mg/Kg	1.00	11/03/2003 18:15	
Cobalt	8.3	1.0	mg/Kg	1.00	11/03/2003 18:15	
Copper	20	1.0	mg/Kg	1.00	11/03/2003 18:15	
Lead	10	1.0	mg/Kg	1.00	11/03/2003 18:15	
Molybdenum	ND	1.0	mg/Kg	1.00	11/03/2003 18:15	
Nickel	33	1.0	mg/Kg	1.00	11/03/2003 18:15	
Selenium	ND	2.0	mg/Kg	1.00	11/03/2003 18:15	
Silver	ND	1.0	mg/Kg	1.00	11/03/2003 18:15	
Thallium	ND	1.0	mg/Kg	1.00	11/03/2003 18:15	
Vanadium	28	1.0	mg/Kg	1.00	11/03/2003 18:15	
Zinc	41	1.0	mg/Kg	1.00	11/03/2003 18:15	
Mercury	0.071	0.050	mg/Kg	1.00	10/30/2003 12:02	

CAM 17 Metals

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Site: Praxair Oakland

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SOIL-30B**	Lab ID:	2003-10-0951 - 4
Sampled:	10/24/2003 10:04	Extracted:	10/30/2003 05:55 10/30/2003 05:49
Matrix:	Soil	QC Batch#:	2003/10/30-01.16 2003/10/30-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/03/2003 18:19	
Arsenic	3.5	1.0	mg/Kg	1.00	11/03/2003 18:19	
Barium	63	1.0	mg/Kg	1.00	11/03/2003 18:19	
Beryllium	ND	0.50	mg/Kg	1.00	11/03/2003 18:19	
Cadmium	ND	0.50	mg/Kg	1.00	11/03/2003 18:19	
Chromium	17	1.0	mg/Kg	1.00	11/03/2003 18:19	
Cobalt	6.6	1.0	mg/Kg	1.00	11/03/2003 18:19	
Copper	20	1.0	mg/Kg	1.00	11/03/2003 18:19	
Lead	9.2	1.0	mg/Kg	1.00	11/03/2003 18:19	
Molybdenum	ND	1.0	mg/Kg	1.00	11/03/2003 18:19	
Nickel	22	1.0	mg/Kg	1.00	11/03/2003 18:19	
Selenium	ND	2.0	mg/Kg	1.00	11/03/2003 18:19	
Silver	ND	1.0	mg/Kg	1.00	11/03/2003 18:19	
Thallium	ND	1.0	mg/Kg	1.00	11/03/2003 18:19	
Vanadium	26	1.0	mg/Kg	1.00	11/03/2003 18:19	
Zinc	38	1.0	mg/Kg	1.00	11/03/2003 18:19	
Mercury	1.6	0.050	mg/Kg	1.00	10/30/2003 12:03	

CAM 17 Metals

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Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SOIL-8D**	Lab ID:	2003-10-0951 - 5
Sampled:	10/24/2003 10:20	Extracted:	10/28/2003 15:44 10/28/2003 15:41
Matrix:	Soil	QC Batch#:	2003/10/28-02.16 2003/10/28-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/04/2003 03:13	
Arsenic	4.7	1.0	mg/Kg	1.00	11/04/2003 03:13	
Barium	100	1.0	mg/Kg	1.00	11/04/2003 03:13	
Beryllium	ND	0.50	mg/Kg	1.00	11/04/2003 03:13	
Cadmium	ND	0.50	mg/Kg	1.00	11/04/2003 03:13	
Chromium	6.3	1.0	mg/Kg	1.00	11/04/2003 03:13	
Cobalt	9.5	1.0	mg/Kg	1.00	11/04/2003 03:13	
Copper	22	1.0	mg/Kg	1.00	11/04/2003 03:13	
Lead	5.4	1.0	mg/Kg	1.00	11/04/2003 03:13	
Molybdenum	ND	1.0	mg/Kg	1.00	11/04/2003 03:13	
Nickel	7.8	1.0	mg/Kg	1.00	11/04/2003 03:13	
Selenium	2.1	2.0	mg/Kg	1.00	11/04/2003 03:13	
Silver	ND	1.0	mg/Kg	1.00	11/04/2003 03:13	
Thallium	ND	1.0	mg/Kg	1.00	11/04/2003 03:13	
Vanadium	27	1.0	mg/Kg	1.00	11/04/2003 03:13	
Zinc	39	1.0	mg/Kg	1.00	11/04/2003 03:13	
Mercury	0.077	0.050	mg/Kg	1.00	10/29/2003 15:40	

CAM 17 Metals

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Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SOIL-28D**	Lab ID:	2003-10-0951 - 6
Sampled:	10/24/2003 11:05	Extracted:	10/28/2003 15:44 10/28/2003 15:41
Matrix:	Soil	QC Batch#:	2003/10/28-02.16 2003/10/28-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/04/2003 03:17	
Arsenic	4.2	1.0	mg/Kg	1.00	11/04/2003 03:17	
Barium	94	1.0	mg/Kg	1.00	11/04/2003 03:17	
Beryllium	ND	0.50	mg/Kg	1.00	11/04/2003 03:17	
Cadmium	ND	0.50	mg/Kg	1.00	11/04/2003 03:17	
Chromium	21	1.0	mg/Kg	1.00	11/04/2003 03:17	
Cobalt	7.3	1.0	mg/Kg	1.00	11/04/2003 03:17	
Copper	21	1.0	mg/Kg	1.00	11/04/2003 03:17	
Lead	8.9	1.0	mg/Kg	1.00	11/04/2003 03:17	
Molybdenum	ND	1.0	mg/Kg	1.00	11/04/2003 03:17	
Nickel	27	1.0	mg/Kg	1.00	11/04/2003 03:17	
Selenium	2.1	2.0	mg/Kg	1.00	11/04/2003 03:17	
Silver	ND	1.0	mg/Kg	1.00	11/04/2003 03:17	
Thallium	ND	1.0	mg/Kg	1.00	11/04/2003 03:17	
Vanadium	26	1.0	mg/Kg	1.00	11/04/2003 03:17	
Zinc	48	1.0	mg/Kg	1.00	11/04/2003 03:17	
Mercury	ND	0.050	mg/Kg	1.00	10/29/2003 15:41	

CAM 17 Metals

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Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SOIL-27C**	Lab ID:	2003-10-0951 - 7
Sampled:	10/24/2003 11:22	Extracted:	10/28/2003 15:44 10/28/2003 15:41
Matrix:	Soil	QC Batch#:	2003/10/28-02.16 2003/10/28-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/04/2003 03:20	
Arsenic	4.0	1.0	mg/Kg	1.00	11/04/2003 03:20	
Barium	69	1.0	mg/Kg	1.00	11/04/2003 03:20	
Beryllium	ND	0.50	mg/Kg	1.00	11/04/2003 03:20	
Cadmium	ND	0.50	mg/Kg	1.00	11/04/2003 03:20	
Chromium	22	1.0	mg/Kg	1.00	11/04/2003 03:20	
Cobalt	7.6	1.0	mg/Kg	1.00	11/04/2003 03:20	
Copper	21	1.0	mg/Kg	1.00	11/04/2003 03:20	
Lead	13	1.0	mg/Kg	1.00	11/04/2003 03:20	
Molybdenum	ND	1.0	mg/Kg	1.00	11/04/2003 03:20	
Nickel	26	1.0	mg/Kg	1.00	11/04/2003 03:20	
Selenium	ND	2.0	mg/Kg	1.00	11/04/2003 03:20	
Silver	ND	1.0	mg/Kg	1.00	11/04/2003 03:20	
Thallium	ND	1.0	mg/Kg	1.00	11/04/2003 03:20	
Vanadium	27	1.0	mg/Kg	1.00	11/04/2003 03:20	
Zinc	42	1.0	mg/Kg	1.00	11/04/2003 03:20	
Mercury	0.072	0.050	mg/Kg	1.00	10/29/2003 15:42	

CAM 17 Metals

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Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SOIL-23C**	Lab ID:	2003-10-0951 - 8
Sampled:	10/24/2003 10:35	Extracted:	10/28/2003 15:44 10/28/2003 15:41
Matrix:	Soil	QC Batch#:	2003/10/28-02.16 2003/10/28-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/04/2003 03:24	
Arsenic	3.1	1.0	mg/Kg	1.00	11/04/2003 03:24	
Barium	69	1.0	mg/Kg	1.00	11/04/2003 03:24	
Beryllium	ND	0.50	mg/Kg	1.00	11/04/2003 03:24	
Cadmium	ND	0.50	mg/Kg	1.00	11/04/2003 03:24	
Chromium	16	1.0	mg/Kg	1.00	11/04/2003 03:24	
Cobalt	6.3	1.0	mg/Kg	1.00	11/04/2003 03:24	
Copper	22	1.0	mg/Kg	1.00	11/04/2003 03:24	
Lead	13	1.0	mg/Kg	1.00	11/04/2003 03:24	
Molybdenum	ND	1.0	mg/Kg	1.00	11/04/2003 03:24	
Nickel	18	1.0	mg/Kg	1.00	11/04/2003 03:24	
Selenium	ND	2.0	mg/Kg	1.00	11/04/2003 03:24	
Silver	ND	1.0	mg/Kg	1.00	11/04/2003 03:24	
Thallium	ND	1.0	mg/Kg	1.00	11/04/2003 03:24	
Vanadium	26	1.0	mg/Kg	1.00	11/04/2003 03:24	
Zinc	41	1.0	mg/Kg	1.00	11/04/2003 03:24	
Mercury	0.17	0.050	mg/Kg	1.00	10/29/2003 15:43	

CAM 17 Metals

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Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SOIL-13A**	Lab ID:	2003-10-0951 - 9
Sampled:	10/24/2003 11:32	Extracted:	10/28/2003 15:44 10/28/2003 15:41
Matrix:	Soil	QC Batch#:	2003/10/28-02.16 2003/10/28-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/04/2003 03:48	
Arsenic	4.7	1.0	mg/Kg	1.00	11/04/2003 03:48	
Barium	90	1.0	mg/Kg	1.00	11/04/2003 03:48	
Beryllium	ND	0.50	mg/Kg	1.00	11/04/2003 03:48	
Cadmium	ND	0.50	mg/Kg	1.00	11/04/2003 03:48	
Chromium	6.1	1.0	mg/Kg	1.00	11/04/2003 03:48	
Cobalt	7.1	1.0	mg/Kg	1.00	11/04/2003 03:48	
Copper	23	1.0	mg/Kg	1.00	11/04/2003 03:48	
Lead	7.5	1.0	mg/Kg	1.00	11/04/2003 03:48	
Molybdenum	ND	1.0	mg/Kg	1.00	11/04/2003 03:48	
Nickel	7.3	1.0	mg/Kg	1.00	11/04/2003 03:48	
Selenium	ND	2.0	mg/Kg	1.00	11/04/2003 03:48	
Silver	ND	1.0	mg/Kg	1.00	11/04/2003 03:48	
Thallium	ND	1.0	mg/Kg	1.00	11/04/2003 03:48	
Vanadium	27	1.0	mg/Kg	1.00	11/04/2003 03:48	
Zinc	43	1.0	mg/Kg	1.00	11/04/2003 03:48	
Mercury	ND	0.050	mg/Kg	1.00	10/29/2003 15:44	

CAM 17 Metals

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Received: 10/24/2003 17:05

Site: Praxair Oakland

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SOIL-11C**	Lab ID:	2003-10-0951 - 10
Sampled:	10/24/2003 11:44	Extracted:	10/28/2003 15:44 10/28/2003 15:41
Matrix:	Soil	QC Batch#:	2003/10/28-02.16 2003/10/28-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/04/2003 03:52	
Arsenic	4.0	1.0	mg/Kg	1.00	11/04/2003 03:52	
Barium	75	1.0	mg/Kg	1.00	11/04/2003 03:52	
Beryllium	ND	0.50	mg/Kg	1.00	11/04/2003 03:52	
Cadmium	ND	0.50	mg/Kg	1.00	11/04/2003 03:52	
Chromium	23	1.0	mg/Kg	1.00	11/04/2003 03:52	
Cobalt	8.3	1.0	mg/Kg	1.00	11/04/2003 03:52	
Copper	26	1.0	mg/Kg	1.00	11/04/2003 03:52	
Lead	11	1.0	mg/Kg	1.00	11/04/2003 03:52	
Molybdenum	ND	1.0	mg/Kg	1.00	11/04/2003 03:52	
Nickel	30	1.0	mg/Kg	1.00	11/04/2003 03:52	
Selenium	3.2	2.0	mg/Kg	1.00	11/04/2003 03:52	
Silver	ND	1.0	mg/Kg	1.00	11/04/2003 03:52	
Thallium	ND	1.0	mg/Kg	1.00	11/04/2003 03:52	
Vanadium	30	1.0	mg/Kg	1.00	11/04/2003 03:52	
Zinc	45	1.0	mg/Kg	1.00	11/04/2003 03:52	
Mercury	0.089	0.050	mg/Kg	1.00	10/29/2003 15:46	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Batch QC Report

Prep(s): 7471A — Soil — Test(s): 7471A

Method Blank — **QC Batch # 2003/10/28-02.16**

MB: 2003/10/28-02.16-031 — Date Extracted: 10/28/2003 15:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	10/29/2003 15:19	

CAM 17 Metals

Kennedy/Jenks-San Francisco

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Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Method Blank

Soil

QC Batch # 2003/10/28-03.15

MB: 2003/10/28-03.15-134

Date Extracted: 10/28/2003 15:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	11/04/2003 02:02	
Arsenic	ND	1.0	mg/Kg	11/04/2003 02:02	
Barium	ND	1.0	mg/Kg	11/04/2003 02:02	
Beryllium	ND	0.50	mg/Kg	11/04/2003 02:02	
Cadmium	ND	0.50	mg/Kg	11/04/2003 02:02	
Chromium	ND	1.0	mg/Kg	11/04/2003 02:02	
Cobalt	ND	1.0	mg/Kg	11/04/2003 02:02	
Copper	ND	1.0	mg/Kg	11/04/2003 02:02	
Lead	ND	1.0	mg/Kg	11/04/2003 02:02	
Molybdenum	ND	1.0	mg/Kg	11/04/2003 02:02	
Nickel	ND	1.0	mg/Kg	11/04/2003 02:02	
Selenium	ND	2.0	mg/Kg	11/04/2003 02:02	
Silver	ND	1.0	mg/Kg	11/04/2003 02:02	
Thallium	ND	1.0	mg/Kg	11/04/2003 02:02	
Vanadium	ND	1.0	mg/Kg	11/04/2003 02:02	
Zinc	ND	1.0	mg/Kg	11/04/2003 02:02	

CAM 17 Metals

Kennedy/Jenks-San Francisco

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Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Method Blank

Soil

QC Batch # 2003/10/30-01.16

MB: 2003/10/30-01.16-011

Date Extracted: 10/30/2003 05:55

Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	10/30/2003 11:52	

CAM 17 Metals

Kennedy/Jenks-San Francisco

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622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Method Blank

Soil

QC Batch # 2003/10/30-02.15

MB: 2003/10/30-02.15-097

Date Extracted: 10/30/2003 05:49

Compound	Conc.	RL	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	11/03/2003 17:31	
Arsenic	ND	1.0	mg/Kg	11/03/2003 17:31	
Barium	ND	1.0	mg/Kg	11/03/2003 17:31	
Beryllium	ND	0.50	mg/Kg	11/03/2003 17:31	
Cadmium	ND	0.50	mg/Kg	11/03/2003 17:31	
Chromium	ND	1.0	mg/Kg	11/03/2003 17:31	
Cobalt	ND	1.0	mg/Kg	11/03/2003 17:31	
Copper	ND	1.0	mg/Kg	11/03/2003 17:31	
Lead	ND	1.0	mg/Kg	11/03/2003 17:31	
Molybdenum	ND	1.0	mg/Kg	11/03/2003 17:31	
Nickel	ND	1.0	mg/Kg	11/03/2003 17:31	
Selenium	ND	2.0	mg/Kg	11/03/2003 17:31	
Silver	ND	1.0	mg/Kg	11/03/2003 17:31	
Thallium	ND	1.0	mg/Kg	11/03/2003 17:31	
Vanadium	ND	1.0	mg/Kg	11/03/2003 17:31	
Zinc	ND	1.0	mg/Kg	11/03/2003 17:31	

CAM 17 Metals

Kennedy/Jenks-San Francisco

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Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Laboratory Control Spike **Soil** **QC Batch # 2003/10/28-02.16**

LCS 2003/10/28-02.16-032 Extracted: 10/28/2003 Analyzed: 10/29/2003 15:20

LCSD 2003/10/28-02.16-035 Extracted: 10/28/2003 Analyzed: 10/29/2003 15:24

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Mercury	0.543	0.563	0.500	108.6	112.6	3.6	85-115	20		

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2003/10/28-03.15**

LCS 2003/10/28-03.15-135 Extracted: 10/28/2003 Analyzed: 11/04/2003 02:07

LCSD 2003/10/28-03.15-136 Extracted: 10/28/2003 Analyzed: 11/04/2003 02:11

Compound	Conc.	mg/Kg	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Antimony	97.7	95.2	100.0	97.7	95.2	2.6	80-120	20		
Arsenic	96.6	94.1	100.0	96.6	94.1	2.6	80-120	20		
Barium	101	97.7	100.0	101.0	97.7	3.3	80-120	20		
Beryllium	97.0	94.3	100.0	97.0	94.3	2.8	80-120	20		
Cadmium	97.4	95.0	100.0	97.4	95.0	2.5	80-120	20		
Chromium	100	97.5	100.0	100.0	97.5	2.5	80-120	20		
Cobalt	100	97.8	100.0	100.0	97.8	2.2	80-120	20		
Copper	101	99.2	100.0	101.0	99.2	1.8	80-120	20		
Lead	98.1	95.6	100.0	98.1	95.6	2.6	80-120	20		
Molybdenum	96.1	93.7	100.0	96.1	93.7	2.5	80-120	20		
Nickel	98.6	95.7	100.0	98.6	95.7	3.0	80-120	20		
Selenium	88.0	86.2	100.0	88.0	86.2	2.1	80-120	20		
Silver	99.9	97.8	100.0	99.9	97.8	2.1	80-120	20		
Thallium	94.2	92.1	100.0	94.2	92.1	2.3	80-120	20		
Vanadium	103	100	100.0	103.0	100.0	3.0	80-120	20		
Zinc	95.7	94.3	100.0	95.7	94.3	1.5	80-120	20		

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Laboratory Control Spike **Soil** **QC Batch # 2003/10/30-01.16**

LCS 2003/10/30-01.16-012 Extracted: 10/30/2003 Analyzed: 10/30/2003 11:53

LCSD 2003/10/30-01.16-013 Extracted: 10/30/2003 Analyzed: 10/30/2003 11:54

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Mercury	0.523	0.522	0.500	104.6	104.4	0.2	85-115	20		

SEVERN TRENT STL

Submission #: 2003-10-0951

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: Praxair Oakland

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2003/10/30-02.15**

LCS 2003/10/30-02.15-098 Extracted: 10/30/2003 Analyzed: 11/03/2003 17:36

LCSD 2003/10/30-02.15-099 Extracted: 10/30/2003 Analyzed: 11/03/2003 17:39

Compound	Conc.	mg/Kg	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Antimony	101	103	100.0	101.0	103.0	2.0	80-120	20		
Arsenic	104	106	100.0	104.0	106.0	1.9	80-120	20		
Barium	101	102	100.0	101.0	102.0	1.0	80-120	20		
Beryllium	94.4	96.6	100.0	94.4	96.6	2.3	80-120	20		
Cadmium	99.9	102	100.0	99.9	102.0	2.1	80-120	20		
Chromium	98.8	101	100.0	98.8	101.0	2.2	80-120	20		
Cobalt	100	102	100.0	100.0	102.0	2.0	80-120	20		
Copper	101	103	100.0	101.0	103.0	2.0	80-120	20		
Lead	97.0	98.2	100.0	97.0	98.2	1.2	80-120	20		
Molybdenum	95.7	97.2	100.0	95.7	97.2	1.6	80-120	20		
Nickel	102	103	100.0	102.0	103.0	1.0	80-120	20		
Selenium	99.1	102	100.0	99.1	102.0	2.9	80-120	20		
Silver	99.7	102	100.0	99.7	102.0	2.3	80-120	20		
Thallium	102	103	100.0	102.0	103.0	1.0	80-120	20		
Vanadium	100.0	102	100.0	100.0	102.0	2.0	80-120	20		
Zinc	97.0	98.7	100.0	97.0	98.7	1.7	80-120	20		

2003-10-0951

79523 1 of 1

Sample Chain-of-Custody/Analysis Request

Kennedy/Jenks Consultants

Possible Hazards: Analytes

Client: Kennedy Jenks | Report to: Meredith Durant

Site: Proposed Oakland | Company: Kennedy Jenks

Project No.: 000128.00 | Address: FOLSOM ST. SF CA 94107

Sampler Name: J. Farrell | Fax: 415 8960999

Telephone: 415 243 2506

Lab Destination: STL SF

Address: Quarry Lane Pleasanton CA

Telephone: 9254941919

Carrier/Way Bill No.:

(1) Lab ID No.	Client ID No.	Collection Date	Collection Time	(2) Type	(3) Depth	(3) Comp	(4) Preservation	Turn Around	Analysis Requested: pH, CAM17 Metals	Comment/Conditions (container type, container number, etc.)
	Soil-1A	10/24/03	0930	Soil	-	-	None	std	X	1 Brass sleeve
	Soil-18B	10/24/03	0948	Soil	-	-	None	std	X	
	Soil-21A	10/24/03	0950	Soil	-	-	None	std	X	
	Soil-30B	10/24/03	1004	Soil	-	-	None	std	X	
	Soil-8D	10/24/03	1020	Soil	-	-	None	std	X	
	Soil-28D	10/24/03	1105	Soil	-	-	None	std	X	
	Soil-27C	10/24/03	1122	Soil	-	-	None	std	X	
	Soil-23C	10/24/03	1035	Soil	-	-	None	std	X	
	Soil-13A	10/24/03	1132	Soil	-	-	None	std	X	
	Soil-11C	10/24/03	1144	Soil	-	-	None	std	X	4.0°C

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows; Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analysis requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

Sample Relinquished By: Print Name	Signature	Company	Date	Time
Jason Farrell	J Farrell	Kennedy Jenks	10/24/03	1310
R. Allen		STL-SF	10/24/03	12:00

Sample Received By: Print Name	Signature	Company	Date	Time
	Rodriguez	STL-SR	10/24	[illegible]
Denise Harrington	D. Harrington	STL-SF	10/24/03	1705

79523

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2003- 10 - 0951

Checklist completed by: (initials) MN Date: 10/28/03

Courier name: ☒ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes____ No____	Not Present ✓
Chain of custody present?	Yes ✓ No____	
Chain of custody signed when relinquished and received?	Yes ✓ No____	
Chain of custody agrees with sample labels?	Yes ✓ No____	
Samples in proper container/bottle?	Yes ✓ No____	
Sample containers intact?	Yes ✓ No____	
Sufficient sample volume for indicated test?	Yes ✓ No____	
All samples received within holding time?	Yes ✓ No____	
Container/Temp Blank temperature in compliance (4^{o} C ± 2)?	Temp: 4.0 °C Yes ✓ No____	
	Ice Present Yes ✓ No____	
Water - VOA vials have zero headspace?	No VOA vials submitted ✓ Yes____ No____	

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

Water - **pH acceptable upon receipt?** ☐ Yes ☐ No Soil

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

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

Comments: _____

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

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

Client contacted: ☐ Yes ☐ No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

SEVERN TRENT STL

Submission#: 2003-10-0953

Kennedy/Jenks-San Francisco

November 04, 2003

622 Folsom Street
San Francisco, CA 94107-1366

Attn.: Meredith Durant

Project#: 000128.00
Site: 901 Embarcadero

Dear Meredith,

Attached is our report for your samples received on 10/24/2003 17:05
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 12/08/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission #: 2003-10-0953

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SAND-11C	10/24/2003 11:00	Soil	1
SAND-5A	10/24/2003 11:11	Soil	4
SAND-1A	10/24/2003 11:18	Soil	5
SAND-9A	10/24/2003 11:28	Soil	7
SAND-7C	10/24/2003 11:36	Soil	9
SAND-3C	10/24/2003 11:44	Soil	11

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-11C**	Lab ID:	2003-10-0953 - 1
Sampled:	10/24/2003 11:00	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	10/30/2003 15:50	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
2-Methylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
4-Methylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Hexachloroethane	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Nitrobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Isophorone	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	10/30/2003 15:50	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Naphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
4-Chloroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 15:50	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	10/30/2003 15:50	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	10/30/2003 15:50	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 15:50	

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s): 3550B/8270C
Test(s): 8270C
Sample ID: **SAND-11C**
Lab ID: 2003-10-0953 - 1
Sampled: 10/24/2003 11:00
Extracted: 10/29/2003 13:14
Matrix: Soil
QC Batch#: 2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 15:50	
Acenaphthylene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Acenaphthene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 15:50	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 15:50	
Dibenzofuran	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 15:50	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	10/30/2003 15:50	
Fluorene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 15:50	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 15:50	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	10/30/2003 15:50	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	10/30/2003 15:50	
Phenanthrene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 15:50	
Fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 15:50	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	10/30/2003 15:50	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	10/30/2003 15:50	
Chrysene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 15:50	

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-11C**	Lab ID:	2003-10-0953 - 1
Sampled:	10/24/2003 11:00	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	10/30/2003 15:50	
Benzoic acid	ND	0.33	mg/Kg	1.00	10/30/2003 15:50	
Surrogate(s)						
Nitrobenzene-d5	84.3	23-120	%	1.00	10/30/2003 15:50	
2-Fluorobiphenyl	94.4	30-115	%	1.00	10/30/2003 15:50	
p-Terphenyl-d14	101.0	18-137	%	1.00	10/30/2003 15:50	
2-Fluorophenol	70.9	25-121	%	1.00	10/30/2003 15:50	
Phenol-d6	71.9	24-113	%	1.00	10/30/2003 15:50	
2,4,6-Tribromophenol	95.2	19-122	%	1.00	10/30/2003 15:50	

Semi-volatile analysis by GC/MS - EPA8270C

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Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-5A**	Lab ID:	2003-10-0953 - 4
Sampled:	10/24/2003 11:11	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	10/30/2003 16:19	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
2-Methylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
4-Methylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Hexachloroethane	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Nitrobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Isophorone	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	10/30/2003 16:19	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Naphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
4-Chloroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 16:19	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	10/30/2003 16:19	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	10/30/2003 16:19	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 16:19	

Semi-volatile analysis by GC/MS - EPA8270C

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Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-5A**	Lab ID:	2003-10-0953 - 4
Sampled:	10/24/2003 11:11	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 16:19	
Acenaphthylene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Acenaphthene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 16:19	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 16:19	
Dibenzofuran	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 16:19	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	10/30/2003 16:19	
Fluorene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 16:19	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 16:19	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	10/30/2003 16:19	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	10/30/2003 16:19	
Phenanthrene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 16:19	
Fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 16:19	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	10/30/2003 16:19	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	10/30/2003 16:19	
Chrysene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 16:19	

Semi-volatile analysis by GC/MS - EPA8270C

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Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s): 3550B/8270C
Test(s): 8270C
Sample ID: **SAND-5A**
Lab ID: 2003-10-0953 - 4
Sampled: 10/24/2003 11:11
Extracted: 10/29/2003 13:14
Matrix: Soil
QC Batch#: 2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	10/30/2003 16:19	
Benzoic acid	ND	0.33	mg/Kg	1.00	10/30/2003 16:19	
Surrogate(s)						
Nitrobenzene-d5	74.6	23-120	%	1.00	10/30/2003 16:19	
2-Fluorobiphenyl	96.4	30-115	%	1.00	10/30/2003 16:19	
p-Terphenyl-d14	102.3	18-137	%	1.00	10/30/2003 16:19	
2-Fluorophenol	75.7	25-121	%	1.00	10/30/2003 16:19	
Phenol-d6	75.1	24-113	%	1.00	10/30/2003 16:19	
2,4,6-Tribromophenol	91.4	19-122	%	1.00	10/30/2003 16:19	

Semi-volatile analysis by GC/MS - EPA8270C

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Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s): 3550B/8270C
Test(s): 8270C
Sample ID: **SAND-1A**
Lab ID: 2003-10-0953 - 5
Sampled: 10/24/2003 11:18
Extracted: 10/29/2003 13:14
Matrix: Soil
QC Batch#: 2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	10/30/2003 16:48	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
2-Methylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
4-Methylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Hexachloroethane	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Nitrobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Isophorone	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	10/30/2003 16:48	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Naphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
4-Chloroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 16:48	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	10/30/2003 16:48	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	10/30/2003 16:48	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 16:48	

Semi-volatile analysis by GC/MS - EPA8270C

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Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-1A**	Lab ID:	2003-10-0953 - 5
Sampled:	10/24/2003 11:18	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 16:48	
Acenaphthylene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Acenaphthene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 16:48	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 16:48	
Dibenzofuran	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 16:48	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	10/30/2003 16:48	
Fluorene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 16:48	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 16:48	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	10/30/2003 16:48	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	10/30/2003 16:48	
Phenanthrene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 16:48	
Fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 16:48	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	10/30/2003 16:48	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	10/30/2003 16:48	
Chrysene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 16:48	

Semi-volatile analysis by GC/MS - EPA8270C

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Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-1A**	Lab ID:	2003-10-0953 - 5
Sampled:	10/24/2003 11:18	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	10/30/2003 16:48	
Benzoic acid	ND	0.33	mg/Kg	1.00	10/30/2003 16:48	
Surrogate(s)						
Nitrobenzene-d5	77.1	23-120	%	1.00	10/30/2003 16:48	
2-Fluorobiphenyl	89.5	30-115	%	1.00	10/30/2003 16:48	
p-Terphenyl-d14	91.5	18-137	%	1.00	10/30/2003 16:48	
2-Fluorophenol	69.9	25-121	%	1.00	10/30/2003 16:48	
Phenol-d6	71.4	24-113	%	1.00	10/30/2003 16:48	
2,4,6-Tribromophenol	94.9	19-122	%	1.00	10/30/2003 16:48	

Semi-volatile analysis by GC/MS - EPA8270C

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San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-9A**	Lab ID:	2003-10-0953 - 7
Sampled:	10/24/2003 11:28	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	10/30/2003 17:17	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
2-Methylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
4-Methylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Hexachloroethane	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Nitrobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Isophorone	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	10/30/2003 17:17	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Naphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
4-Chloroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 17:17	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	10/30/2003 17:17	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	10/30/2003 17:17	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 17:17	

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-9A**	Lab ID:	2003-10-0953 - 7
Sampled:	10/24/2003 11:28	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 17:17	
Acenaphthylene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Acenaphthene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 17:17	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 17:17	
Dibenzofuran	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 17:17	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	10/30/2003 17:17	
Fluorene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 17:17	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 17:17	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	10/30/2003 17:17	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	10/30/2003 17:17	
Phenanthrene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 17:17	
Fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 17:17	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	10/30/2003 17:17	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	10/30/2003 17:17	
Chrysene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 17:17	

Semi-volatile analysis by GC/MS - EPA8270C

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Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s): 3550B/8270C
Test(s): 8270C
Sample ID: **SAND-9A**
Lab ID: 2003-10-0953 - 7
Sampled: 10/24/2003 11:28
Extracted: 10/29/2003 13:14
Matrix: Soil
QC Batch#: 2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	10/30/2003 17:17	
Benzoic acid	ND	0.33	mg/Kg	1.00	10/30/2003 17:17	
Surrogate(s)						
Nitrobenzene-d5	86.4	23-120	%	1.00	10/30/2003 17:17	
2-Fluorobiphenyl	104.0	30-115	%	1.00	10/30/2003 17:17	
p-Terphenyl-d14	108.0	18-137	%	1.00	10/30/2003 17:17	
2-Fluorophenol	85.4	25-121	%	1.00	10/30/2003 17:17	
Phenol-d6	86.8	24-113	%	1.00	10/30/2003 17:17	
2,4,6-Tribromophenol	102.2	19-122	%	1.00	10/30/2003 17:17	

Semi-volatile analysis by GC/MS - EPA8270C

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Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-7C**	Lab ID:	2003-10-0953 - 9
Sampled:	10/24/2003 11:36	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	10/30/2003 17:46	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
2-Methylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
4-Methylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Hexachloroethane	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Nitrobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Isophorone	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	10/30/2003 17:46	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Naphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
4-Chloroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 17:46	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	10/30/2003 17:46	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	10/30/2003 17:46	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 17:46	

Semi-volatile analysis by GC/MS - EPA8270C

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Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-7C**	Lab ID:	2003-10-0953 - 9
Sampled:	10/24/2003 11:36	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 17:46	
Acenaphthylene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Acenaphthene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 17:46	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 17:46	
Dibenzofuran	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 17:46	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	10/30/2003 17:46	
Fluorene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 17:46	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 17:46	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	10/30/2003 17:46	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	10/30/2003 17:46	
Phenanthrene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 17:46	
Fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 17:46	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	10/30/2003 17:46	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	10/30/2003 17:46	
Chrysene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 17:46	

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-7C**	Lab ID:	2003-10-0953 - 9
Sampled:	10/24/2003 11:36	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	10/30/2003 17:46	
Benzoic acid	ND	0.33	mg/Kg	1.00	10/30/2003 17:46	
Surrogate(s)						
Nitrobenzene-d5	77.6	23-120	%	1.00	10/30/2003 17:46	
2-Fluorobiphenyl	100.4	30-115	%	1.00	10/30/2003 17:46	
p-Terphenyl-d14	90.8	18-137	%	1.00	10/30/2003 17:46	
2-Fluorophenol	74.8	25-121	%	1.00	10/30/2003 17:46	
Phenol-d6	78.2	24-113	%	1.00	10/30/2003 17:46	
2,4,6-Tribromophenol	94.2	19-122	%	1.00	10/30/2003 17:46	

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco

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622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-3C**	Lab ID:	2003-10-0953 - 11
Sampled:	10/24/2003 11:44	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	10/30/2003 18:15	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
2-Methylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
4-Methylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Hexachloroethane	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Nitrobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Isophorone	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	10/30/2003 18:15	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Naphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
4-Chloroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 18:15	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	10/30/2003 18:15	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	10/30/2003 18:15	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 18:15	

Semi-volatile analysis by GC/MS - EPA8270C

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Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3550B/8270C	Test(s):	8270C
Sample ID:	**SAND-3C**	Lab ID:	2003-10-0953 - 11
Sampled:	10/24/2003 11:44	Extracted:	10/29/2003 13:14
Matrix:	Soil	QC Batch#:	2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 18:15	
Acenaphthylene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Acenaphthene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 18:15	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 18:15	
Dibenzofuran	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 18:15	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	10/30/2003 18:15	
Fluorene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	10/30/2003 18:15	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	10/30/2003 18:15	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	10/30/2003 18:15	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	10/30/2003 18:15	
Phenanthrene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 18:15	
Fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 18:15	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	10/30/2003 18:15	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	10/30/2003 18:15	
Chrysene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	10/30/2003 18:15	

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s): 3550B/8270C
Test(s): 8270C
Sample ID: **SAND-3C**
Lab ID: 2003-10-0953 - 11
Sampled: 10/24/2003 11:44
Extracted: 10/29/2003 13:14
Matrix: Soil
QC Batch#: 2003/10/29-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	10/30/2003 18:15	
Benzoic acid	ND	0.33	mg/Kg	1.00	10/30/2003 18:15	
Surrogate(s)						
Nitrobenzene-d5	54.5	23-120	%	1.00	10/30/2003 18:15	
2-Fluorobiphenyl	77.0	30-115	%	1.00	10/30/2003 18:15	
p-Terphenyl-d14	73.9	18-137	%	1.00	10/30/2003 18:15	
2-Fluorophenol	51.6	25-121	%	1.00	10/30/2003 18:15	
Phenol-d6	54.1	24-113	%	1.00	10/30/2003 18:15	
2,4,6-Tribromophenol	76.4	19-122	%	1.00	10/30/2003 18:15	

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Batch QC Report

Prep(s): 3550B/8270C

Test(s): 8270C

Method Blank

Soil

QC Batch # 2003/10/29-01.11

MB: 2003/10/29-01.11-001

Date Extracted: 10/29/2003 13:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	10/30/2003 10:04	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	10/30/2003 10:04	
2-Chlorophenol	ND	0.067	mg/Kg	10/30/2003 10:04	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	10/30/2003 10:04	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	10/30/2003 10:04	
Benzyl alcohol	ND	0.17	mg/Kg	10/30/2003 10:04	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	10/30/2003 10:04	
2-Methylphenol	ND	0.067	mg/Kg	10/30/2003 10:04	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	10/30/2003 10:04	
4-Methylphenol	ND	0.067	mg/Kg	10/30/2003 10:04	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	10/30/2003 10:04	
Hexachloroethane	ND	0.067	mg/Kg	10/30/2003 10:04	
Nitrobenzene	ND	0.067	mg/Kg	10/30/2003 10:04	
Isophorone	ND	0.067	mg/Kg	10/30/2003 10:04	
2-Nitrophenol	ND	0.067	mg/Kg	10/30/2003 10:04	
2,4-Dimethylphenol	ND	0.067	mg/Kg	10/30/2003 10:04	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	10/30/2003 10:04	
2,4-Dichlorophenol	ND	0.067	mg/Kg	10/30/2003 10:04	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	10/30/2003 10:04	
Naphthalene	ND	0.067	mg/Kg	10/30/2003 10:04	
4-Chloroaniline	ND	0.330	mg/Kg	10/30/2003 10:04	
Hexachlorobutadiene	ND	0.067	mg/Kg	10/30/2003 10:04	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	10/30/2003 10:04	
2-Methylnaphthalene	ND	0.067	mg/Kg	10/30/2003 10:04	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	10/30/2003 10:04	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	10/30/2003 10:04	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	10/30/2003 10:04	
2-Chloronaphthalene	ND	0.067	mg/Kg	10/30/2003 10:04	
2-Nitroaniline	ND	0.33	mg/Kg	10/30/2003 10:04	

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Batch QC Report

Prep(s): 3550B/8270C — Test(s): 8270C

Method Blank — **Soil** — **QC Batch # 2003/10/29-01.11**

MB: 2003/10/29-01.11-001 — Date Extracted: 10/29/2003 13:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Dimethyl phthalate	ND	0.17	mg/Kg	10/30/2003 10:04	
Acenaphthylene	ND	0.067	mg/Kg	10/30/2003 10:04	
3-Nitroaniline	ND	0.067	mg/Kg	10/30/2003 10:04	
Acenaphthene	ND	0.067	mg/Kg	10/30/2003 10:04	
2,4-Dinitrophenol	ND	0.33	mg/Kg	10/30/2003 10:04	
4-Nitrophenol	ND	0.33	mg/Kg	10/30/2003 10:04	
Dibenzofuran	ND	0.067	mg/Kg	10/30/2003 10:04	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	10/30/2003 10:04	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	10/30/2003 10:04	
Diethyl phthalate	ND	0.17	mg/Kg	10/30/2003 10:04	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	10/30/2003 10:04	
Fluorene	ND	0.067	mg/Kg	10/30/2003 10:04	
4-Nitroaniline	ND	0.33	mg/Kg	10/30/2003 10:04	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	10/30/2003 10:04	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	10/30/2003 10:04	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	10/30/2003 10:04	
Hexachlorobenzene	ND	0.067	mg/Kg	10/30/2003 10:04	
Pentachlorophenol	ND	0.33	mg/Kg	10/30/2003 10:04	
Phenanthrene	ND	0.067	mg/Kg	10/30/2003 10:04	
Anthracene	ND	0.067	mg/Kg	10/30/2003 10:04	
Di-n-butyl phthalate	ND	0.17	mg/Kg	10/30/2003 10:04	
Fluoranthene	ND	0.067	mg/Kg	10/30/2003 10:04	
Pyrene	ND	0.067	mg/Kg	10/30/2003 10:04	
Butyl benzyl phthalate	ND	0.17	mg/Kg	10/30/2003 10:04	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	10/30/2003 10:04	
Benzo(a)anthracene	ND	0.067	mg/Kg	10/30/2003 10:04	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	10/30/2003 10:04	
Chrysene	ND	0.067	mg/Kg	10/30/2003 10:04	
Di-n-octyl phthalate	ND	0.17	mg/Kg	10/30/2003 10:04	

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Batch QC Report

Prep(s): 3550B/8270C

Test(s): 8270C

Method Blank

Soil

QC Batch # 2003/10/29-01.11

MB: 2003/10/29-01.11-001

Date Extracted: 10/29/2003 13:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzo(b)fluoranthene	ND	0.067	mg/Kg	10/30/2003 10:04	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	10/30/2003 10:04	
Benzo(a)pyrene	ND	0.067	mg/Kg	10/30/2003 10:04	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	10/30/2003 10:04	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	10/30/2003 10:04	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	10/30/2003 10:04	
Benzoic acid	ND	0.33	mg/Kg	10/30/2003 10:04	
Surrogates(s)					
Nitrobenzene-d5	56.2	23-120	%	10/30/2003 10:04	
2-Fluorobiphenyl	65.7	30-115	%	10/30/2003 10:04	
p-Terphenyl-d14	64.8	18-137	%	10/30/2003 10:04	
2-Fluorophenol	57.3	25-121	%	10/30/2003 10:04	
Phenol-d6	58.3	24-113	%	10/30/2003 10:04	
2,4,6-Tribromophenol	64.3	19-122	%	10/30/2003 10:04	

Semi-volatile analysis by GC/MS - EPA8270C

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Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Batch QC Report

Prep(s): 3550B/8270C

Test(s): 8270C

Laboratory Control Spike **Soil** **QC Batch # 2003/10/29-01.11**

LCS 2003/10/29-01.11-002 Extracted: 10/29/2003 Analyzed: 10/30/2003 09:06

LCSD 2003/10/29-01.11-003 Extracted: 10/29/2003 Analyzed: 10/30/2003 09:35

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Phenol	1.04	1.04	2.00	52.0	52.0	0.0	20-90	35		
2-Chlorophenol	0.990	1.02	2.00	49.5	51.0	3.0	27-123	35		
1,4-Dichlorobenzene	0.470	0.480	1.00	47.0	48.0	2.1	28-104	30		
N-Nitroso-di-n-propylamine	0.560	0.550	1.00	56.0	55.0	1.8	25-114	39		
1,2,4-Trichlorobenzene	0.480	0.470	1.00	48.0	47.0	2.1	38-107	35		
4-Chloro-3-methylphenol	1.11	1.04	2.00	55.5	52.0	6.5	26-103	33		
Acenaphthene	0.550	0.580	1.00	55.0	58.0	5.3	49-102	30		
4-Nitrophenol	0.830	0.850	2.00	41.5	42.5	2.4	17-109	35		
2,4-Dinitrotoluene	0.650	0.610	1.00	65.0	61.0	6.3	39-139	38		
Pentachlorophenol	0.640	0.710	2.00	32.0	35.5	10.4	11-114	35		
Pyrene	0.490	0.480	1.00	49.0	48.0	2.1	25-117	35		
Surrogates(s)										
Nitrobenzene-d5	15.7	14.8	25	62.8	59.2		23-120			
2-Fluorobiphenyl	16.9	17.4	25	67.6	69.6		30-115			
p-Terphenyl-d14	16.2	16.4	25	64.8	65.6		18-137			
2-Fluorophenol	29.7	30.0	50	59.4	60.0		25-121			
Phenol-d6	31.3	31.7	50	62.6	63.4		24-113			
2,4,6-Tribromophenol	31.9	31.6	50	63.8	63.2		19-122			

SEVERN TRENT STL

Submission #: 2003-10-0953

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SAND-11C	10/24/2003 11:00	Soil	1
SAND-5A	10/24/2003 11:11	Soil	4
SAND-1A	10/24/2003 11:18	Soil	5
SAND-9A	10/24/2003 11:28	Soil	7
SAND-7C	10/24/2003 11:36	Soil	9
SAND-3C	10/24/2003 11:44	Soil	11

pH

Kennedy/Jenks-San Francisco

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San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SAND-11C**	Lab ID:	2003-10-0953 - 1
Sampled:	10/24/2003 11:00	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	8.9	0.1	SU	1.00	10/29/2003	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

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San Francisco, CA 94107-1366
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Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SAND-5A**	Lab ID:	2003-10-0953 - 4
Sampled:	10/24/2003 11:11	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	8.4	0.1	SU	1.00	10/29/2003	

pH

Kennedy/Jenks-San Francisco

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622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SAND-1A**	Lab ID:	2003-10-0953 - 5
Sampled:	10/24/2003 11:18	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	9.0	0.1	SU	1.00	10/29/2003	

pH

Kennedy/Jenks-San Francisco

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622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SAND-9A**	Lab ID:	2003-10-0953 - 7
Sampled:	10/24/2003 11:28	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	8.7	0.1	SU	1.00	10/29/2003	

pH

Kennedy/Jenks-San Francisco
Attn.: Meredith Durant

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San Francisco, CA 94107-1366
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Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SAND-7C**	Lab ID:	2003-10-0953 - 9
Sampled:	10/24/2003 11:36	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.3	0.1	SU	1.00	10/29/2003	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

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San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SAND-3C**	Lab ID:	2003-10-0953 - 11
Sampled:	10/24/2003 11:44	Extracted:	10/29/2003 00:00
Matrix:	Soil	QC Batch#:	2003/10/29-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	9.1	0.1	SU	1.00	10/29/2003	

pH

Kennedy/Jenks-San Francisco

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San Francisco, CA 94107-1366
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Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Batch QC Report

Prep(s): 9040B/150.1 — Test(s): 9040B/150.1

Method Blank — **Water** — **QC Batch # 2003/10/29-01.22**

MB: 2003/10/29-01.22-001 — Date Extracted: 10/29/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
pH	7.03	0.1	SU	10/29/2003	

SEVERN TRENT STL

Submission #: 2003-10-0953

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SAND-11C	10/24/2003 11:00	Soil	1
SAND-5A	10/24/2003 11:11	Soil	4
SAND-1A	10/24/2003 11:18	Soil	5
SAND-9A	10/24/2003 11:28	Soil	7
SAND-7C	10/24/2003 11:36	Soil	9
SAND-3C	10/24/2003 11:44	Soil	11

CAM 17 Metals

Kennedy/Jenks-San Francisco

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Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SAND-11C**	Lab ID:	2003-10-0953 - 1
Sampled:	10/24/2003 11:00	Extracted:	10/28/2003 15:44 10/28/2003 15:41
Matrix:	Soil	QC Batch#:	2003/10/28-02.16 2003/10/28-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/04/2003 03:55	
Arsenic	5.2	1.0	mg/Kg	1.00	11/04/2003 03:55	
Barium	36	1.0	mg/Kg	1.00	11/04/2003 03:55	
Beryllium	ND	0.50	mg/Kg	1.00	11/04/2003 03:55	
Cadmium	ND	0.50	mg/Kg	1.00	11/04/2003 03:55	
Chromium	33	1.0	mg/Kg	1.00	11/04/2003 03:55	
Cobalt	11	1.0	mg/Kg	1.00	11/04/2003 03:55	
Copper	10	1.0	mg/Kg	1.00	11/04/2003 03:55	
Lead	3.8	1.0	mg/Kg	1.00	11/04/2003 03:55	
Molybdenum	ND	1.0	mg/Kg	1.00	11/04/2003 03:55	
Nickel	45	1.0	mg/Kg	1.00	11/04/2003 03:55	
Selenium	2.8	2.0	mg/Kg	1.00	11/04/2003 03:55	
Silver	ND	1.0	mg/Kg	1.00	11/04/2003 03:55	
Thallium	ND	1.0	mg/Kg	1.00	11/04/2003 03:55	
Vanadium	31	1.0	mg/Kg	1.00	11/04/2003 03:55	
Zinc	34	1.0	mg/Kg	1.00	11/04/2003 03:55	
Mercury	0.11	0.050	mg/Kg	1.00	10/29/2003 15:47	

SEVERN TRENT STL

Submission #: 2003-10-0953

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

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San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SAND-5A**	Lab ID:	2003-10-0953 - 4
Sampled:	10/24/2003 11:11	Extracted:	10/28/2003 15:44 10/28/2003 15:41
Matrix:	Soil	QC Batch#:	2003/10/28-02.16 2003/10/28-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/04/2003 03:59	
Arsenic	5.5	1.0	mg/Kg	1.00	11/04/2003 03:59	
Barium	33	1.0	mg/Kg	1.00	11/04/2003 03:59	
Beryllium	ND	0.50	mg/Kg	1.00	11/04/2003 03:59	
Cadmium	ND	0.50	mg/Kg	1.00	11/04/2003 03:59	
Chromium	33	1.0	mg/Kg	1.00	11/04/2003 03:59	
Cobalt	11	1.0	mg/Kg	1.00	11/04/2003 03:59	
Copper	10	1.0	mg/Kg	1.00	11/04/2003 03:59	
Lead	3.8	1.0	mg/Kg	1.00	11/04/2003 03:59	
Molybdenum	ND	1.0	mg/Kg	1.00	11/04/2003 03:59	
Nickel	48	1.0	mg/Kg	1.00	11/04/2003 03:59	
Selenium	3.3	2.0	mg/Kg	1.00	11/04/2003 03:59	
Silver	ND	1.0	mg/Kg	1.00	11/04/2003 03:59	
Thallium	ND	1.0	mg/Kg	1.00	11/04/2003 03:59	
Vanadium	32	1.0	mg/Kg	1.00	11/04/2003 03:59	
Zinc	37	1.0	mg/Kg	1.00	11/04/2003 03:59	
Mercury	0.11	0.050	mg/Kg	1.00	10/29/2003 15:48	

CAM 17 Metals

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Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SAND-1A**	Lab ID:	2003-10-0953 - 5
Sampled:	10/24/2003 11:18	Extracted:	10/28/2003 15:44 10/28/2003 15:41
Matrix:	Soil	QC Batch#:	2003/10/28-02.16 2003/10/28-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/04/2003 04:03	
Arsenic	5.5	1.0	mg/Kg	1.00	11/04/2003 04:03	
Barium	31	1.0	mg/Kg	1.00	11/04/2003 04:03	
Beryllium	ND	0.50	mg/Kg	1.00	11/04/2003 04:03	
Cadmium	ND	0.50	mg/Kg	1.00	11/04/2003 04:03	
Chromium	33	1.0	mg/Kg	1.00	11/04/2003 04:03	
Cobalt	11	1.0	mg/Kg	1.00	11/04/2003 04:03	
Copper	11	1.0	mg/Kg	1.00	11/04/2003 04:03	
Lead	4.6	1.0	mg/Kg	1.00	11/04/2003 04:03	
Molybdenum	ND	1.0	mg/Kg	1.00	11/04/2003 04:03	
Nickel	49	1.0	mg/Kg	1.00	11/04/2003 04:03	
Selenium	2.9	2.0	mg/Kg	1.00	11/04/2003 04:03	
Silver	ND	1.0	mg/Kg	1.00	11/04/2003 04:03	
Thallium	ND	1.0	mg/Kg	1.00	11/04/2003 04:03	
Vanadium	33	1.0	mg/Kg	1.00	11/04/2003 04:03	
Zinc	36	1.0	mg/Kg	1.00	11/04/2003 04:03	
Mercury	0.14	0.050	mg/Kg	1.00	10/29/2003 15:49	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	SAND-9A	Lab ID:	2003-10-0953 - 7
Sampled:	10/24/2003 11:28	Extracted:	10/28/2003 15:44 10/28/2003 15:41
Matrix:	Soil	QC Batch#:	2003/10/28-02.16 2003/10/28-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/04/2003 04:06	
Arsenic	5.8	1.0	mg/Kg	1.00	11/04/2003 04:06	
Barium	35	1.0	mg/Kg	1.00	11/04/2003 04:06	
Beryllium	ND	0.50	mg/Kg	1.00	11/04/2003 04:06	
Cadmium	ND	0.50	mg/Kg	1.00	11/04/2003 04:06	
Chromium	37	1.0	mg/Kg	1.00	11/04/2003 04:06	
Cobalt	12	1.0	mg/Kg	1.00	11/04/2003 04:06	
Copper	11	1.0	mg/Kg	1.00	11/04/2003 04:06	
Lead	4.1	1.0	mg/Kg	1.00	11/04/2003 04:06	
Molybdenum	ND	1.0	mg/Kg	1.00	11/04/2003 04:06	
Nickel	49	1.0	mg/Kg	1.00	11/04/2003 04:06	
Selenium	3.1	2.0	mg/Kg	1.00	11/04/2003 04:06	
Silver	ND	1.0	mg/Kg	1.00	11/04/2003 04:06	
Thallium	ND	1.0	mg/Kg	1.00	11/04/2003 04:06	
Vanadium	33	1.0	mg/Kg	1.00	11/04/2003 04:06	
Zinc	38	1.0	mg/Kg	1.00	11/04/2003 04:06	
Mercury	0.23	0.050	mg/Kg	1.00	10/29/2003 15:53	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SAND-7C**	Lab ID:	2003-10-0953 - 9
Sampled:	10/24/2003 11:36	Extracted:	10/28/2003 15:44 10/28/2003 15:41
Matrix:	Soil	QC Batch#:	2003/10/28-02.16 2003/10/28-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/04/2003 04:09	
Arsenic	4.7	1.0	mg/Kg	1.00	11/04/2003 04:09	
Barium	32	1.0	mg/Kg	1.00	11/04/2003 04:09	
Beryllium	ND	0.50	mg/Kg	1.00	11/04/2003 04:09	
Cadmium	ND	0.50	mg/Kg	1.00	11/04/2003 04:09	
Chromium	35	1.0	mg/Kg	1.00	11/04/2003 04:09	
Cobalt	11	1.0	mg/Kg	1.00	11/04/2003 04:09	
Copper	11	1.0	mg/Kg	1.00	11/04/2003 04:09	
Lead	5.0	1.0	mg/Kg	1.00	11/04/2003 04:09	
Molybdenum	ND	1.0	mg/Kg	1.00	11/04/2003 04:09	
Nickel	56	1.0	mg/Kg	1.00	11/04/2003 04:09	
Selenium	2.5	2.0	mg/Kg	1.00	11/04/2003 04:09	
Silver	ND	1.0	mg/Kg	1.00	11/04/2003 04:09	
Thallium	ND	1.0	mg/Kg	1.00	11/04/2003 04:09	
Vanadium	34	1.0	mg/Kg	1.00	11/04/2003 04:09	
Zinc	180	1.0	mg/Kg	1.00	11/04/2003 04:09	
Mercury	0.071	0.050	mg/Kg	1.00	10/29/2003 15:54	

SEVERN TRENT STL

Submission #: 2003-10-0953

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SAND-3C**	Lab ID:	2003-10-0953 - 11
Sampled:	10/24/2003 11:44	Extracted:	10/28/2003 15:44 10/28/2003 15:41
Matrix:	Soil	QC Batch#:	2003/10/28-02.16 2003/10/28-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/04/2003 02:14	
Arsenic	5.3	1.0	mg/Kg	1.00	11/04/2003 02:14	
Barium	39	1.0	mg/Kg	1.00	11/04/2003 02:14	
Beryllium	ND	0.50	mg/Kg	1.00	11/04/2003 02:14	
Cadmium	ND	0.50	mg/Kg	1.00	11/04/2003 02:14	
Chromium	35	1.0	mg/Kg	1.00	11/04/2003 02:14	
Cobalt	12	1.0	mg/Kg	1.00	11/04/2003 02:14	
Copper	15	1.0	mg/Kg	1.00	11/04/2003 02:14	
Lead	6.8	1.0	mg/Kg	1.00	11/04/2003 02:14	
Molybdenum	ND	1.0	mg/Kg	1.00	11/04/2003 02:14	
Nickel	48	1.0	mg/Kg	1.00	11/04/2003 02:14	
Selenium	2.6	2.0	mg/Kg	1.00	11/04/2003 02:14	
Silver	ND	1.0	mg/Kg	1.00	11/04/2003 02:14	
Thallium	ND	1.0	mg/Kg	1.00	11/04/2003 02:14	
Vanadium	34	1.0	mg/Kg	1.00	11/04/2003 02:14	
Zinc	44	1.0	mg/Kg	1.00	11/04/2003 02:14	
Mercury	2.1	0.50	mg/Kg	10.00	10/29/2003 18:01	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Method Blank

Soil

QC Batch # 2003/10/28-02.16

MB: 2003/10/28-02.16-031

Date Extracted: 10/28/2003 15:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	10/29/2003 15:19	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Method Blank

Soil

QC Batch # 2003/10/28-03.15

MB: 2003/10/28-03.15-134

Date Extracted: 10/28/2003 15:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	11/04/2003 02:02	
Arsenic	ND	1.0	mg/Kg	11/04/2003 02:02	
Barium	ND	1.0	mg/Kg	11/04/2003 02:02	
Beryllium	ND	0.50	mg/Kg	11/04/2003 02:02	
Cadmium	ND	0.50	mg/Kg	11/04/2003 02:02	
Chromium	ND	1.0	mg/Kg	11/04/2003 02:02	
Cobalt	ND	1.0	mg/Kg	11/04/2003 02:02	
Copper	ND	1.0	mg/Kg	11/04/2003 02:02	
Lead	ND	1.0	mg/Kg	11/04/2003 02:02	
Molybdenum	ND	1.0	mg/Kg	11/04/2003 02:02	
Nickel	ND	1.0	mg/Kg	11/04/2003 02:02	
Selenium	ND	2.0	mg/Kg	11/04/2003 02:02	
Silver	ND	1.0	mg/Kg	11/04/2003 02:02	
Thallium	ND	1.0	mg/Kg	11/04/2003 02:02	
Vanadium	ND	1.0	mg/Kg	11/04/2003 02:02	
Zinc	ND	1.0	mg/Kg	11/04/2003 02:02	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Laboratory Control Spike **Soil** **QC Batch # 2003/10/28-02.16**

LCS 2003/10/28-02.16-032 Extracted: 10/28/2003 Analyzed: 10/29/2003 15:20

LCSD 2003/10/28-02.16-035 Extracted: 10/28/2003 Analyzed: 10/29/2003 15:24

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Mercury	0.543	0.563	0.500	108.6	112.6	3.6	85-115	20		

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2003/10/28-03.15**

LCS 2003/10/28-03.15-135 Extracted: 10/28/2003 Analyzed: 11/04/2003 02:07

LCSD 2003/10/28-03.15-136 Extracted: 10/28/2003 Analyzed: 11/04/2003 02:11

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Antimony	97.7	95.2	100.0	97.7	95.2	2.6	80-120	20		
Arsenic	96.6	94.1	100.0	96.6	94.1	2.6	80-120	20		
Barium	101	97.7	100.0	101.0	97.7	3.3	80-120	20		
Beryllium	97.0	94.3	100.0	97.0	94.3	2.8	80-120	20		
Cadmium	97.4	95.0	100.0	97.4	95.0	2.5	80-120	20		
Chromium	100	97.5	100.0	100.0	97.5	2.5	80-120	20		
Cobalt	100	97.8	100.0	100.0	97.8	2.2	80-120	20		
Copper	101	99.2	100.0	101.0	99.2	1.8	80-120	20		
Lead	98.1	95.6	100.0	98.1	95.6	2.6	80-120	20		
Molybdenum	96.1	93.7	100.0	96.1	93.7	2.5	80-120	20		
Nickel	98.6	95.7	100.0	98.6	95.7	3.0	80-120	20		
Selenium	88.0	86.2	100.0	88.0	86.2	2.1	80-120	20		
Silver	99.9	97.8	100.0	99.9	97.8	2.1	80-120	20		
Thallium	94.2	92.1	100.0	94.2	92.1	2.3	80-120	20		
Vanadium	103	100	100.0	103.0	100.0	3.0	80-120	20		
Zinc	95.7	94.3	100.0	95.7	94.3	1.5	80-120	20		

SEVERN TRENT STL

Submission #: 2003-10-0953

CAM 17 Metals

Kennedy/Jenks-San Francisco
Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Received: 10/24/2003 17:05

Site: 901 Embarcadero

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2003/10/28-02.16**

SAND-3C >> MS

Lab ID: 2003-10-0953 - 011

MS: 2003/10/28-02.16-037 Extracted: 10/28/2003 Analyzed: 10/29/2003 15:26
Dilution: 1.00

MSD: 2003/10/28-02.16-038 Extracted: 10/28/2003 Analyzed: 10/29/2003 15:28
Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Mercury	2.41	1.50	1.67	0.495	149.5	-35.3	323.	85-115	20		rpd

2003-10-0953

79526 1 of 2

Sample Chain-of-Custody/Analysis Request

Kennedy/Jenks Consultants

Possible Hazards: ANALYTES

Client: PRAXAIR-OAKLAND

Site: 901 EMBARCADERO

Project No.: 000128.00

Sampler Name: R. TELZEON

Telephone: 415-243-2442

Report to: MEREDITH DURANT

Company: KENNEDY/JENKS

Address: 622 FOLSOM ST. SF, CA 94107

Fax: 415-896-0999

Lab Destination: STL SF

Address: 1220 QUARRY LANE PLEASANTON, CA 94566

Telephone: 925-484-1919

Carrier/Way Bill No.:

Lab ID No.*	Client ID No.	Collection Date	Collection Time	(2) Sample Type	(3) Depth	(3) Comp	(4) Pres	Turn Around	PH	METALS (CAM17)	SVOC (8270C)	Comment/Conditions (container type, container number, etc.)
	SAND-11C	10/24/03	1100	S	-	NO	-	5-DAY	X	X	X	
	SAND-4D	10/24/03	1105									* HOLD *
	SAND-10B	10/24/03	1108									* HOLD *
	SAND-5A	10/24/03	1111									
	SAND-1A	10/24/03	1118									
	SAND-12D	10/24/03	1123									* HOLD *
	SAND-9A	10/24/03	1128									
	SAND-8D	10/24/03	1132									* HOLD *
	SAND-7C	10/24/03	1136									
	SAND-6B	10/24/03	1140									* HOLD *
	SAND-3C	10/24/03	1141									

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analysis requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

Sample Relinquished By: Print Name	Signature	Company	Date	Time	Sample Received By: Print Name	Signature	Company	Date	Time
RICK TELZON	Rick Telzon	KENNEDY/JENKS	10/24/03	1310	Rodney Allen		STL-SF	10/24	1310
R. Allen		STL-SF	10/24/03	1710					
					D. Harrington	D. Harrington	STL-SF	10/24	1705

2003-10-0953

79526 2 of 2

Sample Chain-of-Custody/Analysis Request

Kennedy/Jenks Consultants

Possible Hazards: ANALYTES

Client: PRAXAIR-OAKLAND

Report to: MEREDITH DURANT

Site: 901-EMBARCADERO

Company: KENNEDY/JENKS

Project No.: 000128.00

Address: 622 FOLSOM ST. SF, CA 94107

Sampler Name: R. TECZON

Telephone: 415-243-2442

Fax: 415-896-0999

Lab Destination: STL SAN FRANCISCO

Address: 1220 QUARRY LANE PLEASANTON, CA 94566

Telephone: 925-484-1919

Carrier/Way Bill No.:

(1) Sample No.	(1) Client ID No.	Collection Date	Collection Time	(2) Type	Depth	(3) Comp/	(4) Pres.	Turn-around	pH	METALS (CAM 17)	SVOC (8270)							Comment/Conditions (container type, container number, etc.)
	SAND-2B	10/24/03	1148	S	—	NO	—	5-DAY	X	X	X							* HOLD *

(1) Write only one sample number in each space.

(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.

(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.

(4) Preservation of sample.

(5) Write each analysis requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

Sample Relinquished By: Print Name	Signature	Company	Date	Time	Sample Received By: Print Name	Signature	Company	Date	Time
RICK TECZON	[signature]	KENNEDY/JENKS	10/24/03	1310	Rodney Allen	[signature]	STL-SF	10/24	13:10
Rodney Allen	[signature]	STL-SF	10/24/03	17:05					
					D. Harrington	D. Harrington	STL-SF	10/24	1705

79526

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2003- 10 - 0953

Checklist completed by: (initials) MV Date: 10/28/03

Courier name: ☒ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes___ No___	Not Present ✓
Chain of custody present?	Yes ✓ No___	
Chain of custody signed when relinquished and received?	Yes ✓ No___	
Chain of custody agrees with sample labels?	Yes ✓ No___	
Samples in proper container/bottle?	Yes ✓ No___	
Sample containers intact?	Yes ✓ No___	
Sufficient sample volume for indicated test?	Yes ✓ No___	
All samples received within holding time?	Yes ✓ No___	
Container/Temp Blank temperature in compliance (4^{o} C ± 2)?	Temp: 4.0 °C Yes ✓ No___	
	Ice Present Yes ✓ No___	
Water - VOA vials have zero headspace?	No VOA vials submitted ✓ Yes___ No___	

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

Water - **pH acceptable upon receipt?** ☐ Yes ☐ No Soil

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

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

Comments:

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

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

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

SEVERN TRENT STL

Submission#: 2003-11-0337

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn.: Meredith Durant

Project#: 000128.00
Project: 901 Embarcadero

November 14, 2003

Dear Meredith,

Attached is our report for your samples received on 10/24/2003 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 12/08/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission #: 2003-11-0337

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
901 Embarcadero

Received: 10/24/2003

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SAND 4D	10/24/2003 11:05	Soil	1
SAND 10B	10/24/2003 11:08	Soil	2
SAND 8D	10/24/2003 11:32	Soil	3
SAND 6B	10/24/2003 11:40	Soil	4
SAND 12D	10/24/2003 11:23	Soil	5
SAND 2B	10/24/2003 11:48	Soil	6

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
901 Embarcadero

Received: 10/24/2003

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SAND 4D**	Lab ID:	2003-11-0337 - 1
Sampled:	10/24/2003 11:05	Extracted:	11/14/2003 08:55
Matrix:	Soil	QC Batch#:	2003/11/14-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.2	0.1	SU	1.00	11/14/2003 08:55	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
901 Embarcadero

Received: 10/24/2003

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SAND 10B**	Lab ID:	2003-11-0337 - 2
Sampled:	10/24/2003 11:08	Extracted:	11/14/2003 08:55
Matrix:	Soil	QC Batch#:	2003/11/14-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	8.4	0.1	SU	1.00	11/14/2003 08:55	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
901 Embarcadero

Received: 10/24/2003

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SAND 8D**	Lab ID:	2003-11-0337 - 3
Sampled:	10/24/2003 11:32	Extracted:	11/14/2003 08:55
Matrix:	Soil	QC Batch#:	2003/11/14-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	6.9	0.1	SU	1.00	11/14/2003 08:55	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
901 Embarcadero

Received: 10/24/2003

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SAND 6B**	Lab ID:	2003-11-0337 - 4
Sampled:	10/24/2003 11:40	Extracted:	11/14/2003 08:55
Matrix:	Soil	QC Batch#:	2003/11/14-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	7.5	0.1	SU	1.00	11/14/2003 08:55	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
901 Embarcadero

Received: 10/24/2003

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SAND 12D**	Lab ID:	2003-11-0337 - 5
Sampled:	10/24/2003 11:23	Extracted:	11/14/2003 08:55
Matrix:	Soil	QC Batch#:	2003/11/14-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	8.7	0.1	SU	1.00	11/14/2003 08:55	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
901 Embarcadero

Received: 10/24/2003

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SAND 2B**	Lab ID:	2003-11-0337 - 6
Sampled:	10/24/2003 11:48	Extracted:	11/14/2003 08:55
Matrix:	Soil	QC Batch#:	2003/11/14-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	9.2	0.1	SU	1.00	11/14/2003 08:55	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
901 Embarcadero

Received: 10/24/2003

Batch QC Report

Prep(s): 9045C

Test(s): 9045C

Method Blank

Soil

QC Batch # 2003/11/14-01.22

MB: 2003/11/14-01.22-001

Date Extracted: 11/14/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
pH	7.09	0.1	SU	11/14/2003	

SEVERN TRENT STL 2003-11-0337

STL San Francisco
ADD ON/CHANGE ORDER

New Submission No.: _____

Reference No.: 79996

ORIGINAL SUBMISSION INFORMATION

Name of Caller: _____ Bill To: _____

Client Name: Kennedy Jenks -SF Call Date: 11-7-03 Attn.: _____

Project Mgr.: Meredith Durant Add on Due Date: 11-14-03 Comments: _____

Project Name: 901 Embarcadero

Project No.: 901 000128.00

PO#: _____

Date Received: 10-24-03

Submission No.: 2003 10-0953

Sample ID	Date	Time	Matrix	Prev. Spl. #	TPH EPA - ☐ 8015/8021 ☐ 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				NUMBER OF CONTAINERS
Sand 4D	10/24	11:05	S	002															X							
Sand 10B		11:08		003																						
Sand 8D		11:32		008																						
Sand 6B		11:40		010																						
Sand 12D		11:23		006																						
Sand - 2B		11:48		012																						

ANALYSIS REQUEST

Rev 10/03

SEVERN TRENT STL

Submission#: 2003-10-1048

Kennedy/Jenks-San Francisco

November 06, 2003

622 Folsom Street
San Francisco, CA 94107-1366
Attn.: Meredith Durant
Project#: 000128.00
Project: Praxair-Oakland
Site: 901 Embarcadero

Dear Meredith,

Attached is our report for your samples received on 10/29/2003 14:45
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 12/13/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission #: 2003-10-1048

TEPH w/ Silica Gel Clean-up

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/29/2003 14:45

Site: 901 Embarcadero

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
``13`` CONF-4B-SE	10/28/2003 09:00	Soil	1
``13`` CONF-4B-NW	10/28/2003 09:10	Soil	2

TEPH w/ Silica Gel Clean-up

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/29/2003 14:45

Site: 901 Embarcadero

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	"13" CONF-4B-SE	Lab ID:	2003-10-1048 - 1
Sampled:	10/28/2003 09:00	Extracted:	11/3/2003 13:03
Matrix:	Soil	QC Batch#:	2003/11/03-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	10	1.0	mg/Kg	1.00	11/04/2003 00:01	ndp
Motor Oil	72	50	mg/Kg	1.00	11/04/2003 00:01	
Surrogate(s)						
o-Terphenyl	105.4	60	%	1.00	11/04/2003 00:01	

TEPH w/ Silica Gel Clean-up

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/29/2003 14:45

Site: 901 Embarcadero

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**``13`` CONF-4B-NW**	Lab ID:	2003-10-1048 - 2
Sampled:	10/28/2003 09:10	Extracted:	11/3/2003 13:03
Matrix:	Soil	QC Batch#:	2003/11/03-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.1	1.0	mg/Kg	1.00	11/04/2003 00:31	ndp
Motor Oil	ND	50	mg/Kg	1.00	11/04/2003 00:31	
Surrogate(s)						
o-Terphenyl	101.1	60	%	1.00	11/04/2003 00:31	

TEPH w/ Silica Gel Clean-up

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/29/2003 14:45

Site: 901 Embarcadero

Batch QC Report

Prep(s): 3550/8015M — Test(s): 8015M

Method Blank — **Soil** — **QC Batch # 2003/11/03-04.10**

MB: 2003/11/03-04.10-001 — Date Extracted: 11/03/2003 13:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	11/03/2003 20:56	
Motor Oil	ND	50	mg/Kg	11/03/2003 20:56	
Surrogates(s)					
o-Terphenyl	101.8	60-130	%	11/03/2003 20:56	

TEPH w/ Silica Gel Clean-up

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/29/2003 14:45

Site: 901 Embarcadero

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2003/11/03-04.10**

LCS 2003/11/03-04.10-002 Extracted: 11/03/2003 Analyzed: 11/03/2003 21:27

LCSD 2003/11/03-04.10-003 Extracted: 11/03/2003 Analyzed: 11/03/2003 21:58

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	39.9	36.6	41.6	95.9	88.2	8.4	60-130	25		
Surrogates(s)										
o-Terphenyl	19.2	18.5	20.0	96.1	92.4		60-130	0		

TEPH w/ Silica Gel Clean-up

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair-Oakland

Received: 10/29/2003 14:45

Site: 901 Embarcadero

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

T4645

Sample Chain-of-Custody/Analysis Request

2003-10-1048

Kennedy/Jenks Consultants

Possible Hazards ANALYTES

Client PRAXAIR-OAKLAND
Site 901 EMBARCADERO
Project No. 000128.00
Sampler Name R. TEGZON
Telephone 415-243-2442

Report to MEREDITH DURANT
Company KENNEDY/JENKS
Address 622 FOLSOM ST.
SF, CA 94107
Fax 415-896-0999

Lab Destination STL SAN FRANCISCO
Address 1220 QUARRY LANE
PLEASANTON, CA 94566
Telephone 925-484-1919
Carrier/Way Bill No.

(1) Lab ID No.	(1) Client ID No.	Collection Date	Collection Time	(2) Type	Depth	(3) Comp	(4) Pres	Turn-around	(5) Analyses Requested: TEPH (DIESEL/MOTOR OIL) 8015M W/SILICA GEL CLEAN UP									Comment/Conditions (container type, container number, etc.)
	"13" CONF-4B-SE	10/28/03	9:00	S	—	NO	N	5-DAY	X									
	"13" CONF-4B-NW	10/28/03	9:10	S	—	NO	N	5-DAY	X									
																		4.2°C

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analysis requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

Sample Relinquished By: Print Name	Signature	Company	Date	Time	Sample Received By: Print Name	Signature	Company	Date	Time
RICK TEGZON	[signature]	KENNEDY/JENKS	10/29/03	12:33pm	R. Allen	[signature]	STL-SF	10/29/03	12:33
Rodney Allen	[signature]	STL-SF	10/29/03	14:45					
					D. Harrington	[signature]	STL-SF	10/29/03	1445

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2003- 10 - 1048

Checklist completed by: (initials) DSH Date: 10/30/03

Courier name: ☒ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes____ No____	Not Present ✓
Chain of custody present?	Yes ✓ No____	
Chain of custody signed when relinquished and received?	Yes ✓ No____	
Chain of custody agrees with sample labels?	Yes ✓ No____	
Samples in proper container/bottle?	Yes ✓ No____	
Sample containers intact?	Yes ✓ No____	
Sufficient sample volume for indicated test?	Yes ✓ No____	
All samples received within holding time?	Yes ✓ No____	
Container/Temp Blank temperature in compliance (4^{o} C ± 2)?	Temp: 4.2 °C Yes ✓ No____	
	Ice Present Yes ✓ No____	
Water - VOA vials have zero headspace?	No VOA vials submitted ✓ Yes____ No____	

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

Water - **pH acceptable upon receipt?** ☒ Yes ☐ No

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

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

Comments:

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

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

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

SEVERN TRENT STL

Submission#: 2003-11-0425

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn.: Meredith Durant

Project#: 000128.00
Project: Praxair Oakland

November 18, 2003

Dear Meredith,

Attached is our report for your samples received on 11/11/2003 16:35
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 12/26/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission #: 2003-11-0425

CAM 17 Metals

Kennedy/Jenks-San Francisco
Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SOIL LINE STOCKPILE	11/11/2003 09:30	Soil	2
KB-13 STOCKPILE	11/11/2003 09:00	Soil	3

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**SOIL LINE STOCKPILE**	Lab ID:	2003-11-0425 - 2
Sampled:	11/11/2003 09:30	Extracted:	11/13/2003 10:57 11/14/2003 08:14
Matrix:	Soil	QC Batch#:	2003/11/13-06.15 2003/11/14-01.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/14/2003 13:40	
Arsenic	2.5	1.0	mg/Kg	1.00	11/14/2003 13:40	
Barium	160	1.0	mg/Kg	1.00	11/14/2003 13:40	
Beryllium	ND	0.50	mg/Kg	1.00	11/14/2003 13:40	
Cadmium	ND	0.50	mg/Kg	1.00	11/14/2003 13:40	
Chromium	23	1.0	mg/Kg	1.00	11/14/2003 13:40	
Cobalt	3.6	1.0	mg/Kg	1.00	11/14/2003 13:40	
Copper	35	1.0	mg/Kg	1.00	11/14/2003 13:40	
Lead	100	1.0	mg/Kg	1.00	11/14/2003 13:40	
Molybdenum	ND	1.0	mg/Kg	1.00	11/14/2003 13:40	
Nickel	37	1.0	mg/Kg	1.00	11/14/2003 13:40	
Selenium	ND	2.0	mg/Kg	1.00	11/14/2003 13:40	
Silver	ND	1.0	mg/Kg	1.00	11/14/2003 13:40	
Thallium	ND	1.0	mg/Kg	1.00	11/14/2003 13:40	
Vanadium	30	1.0	mg/Kg	1.00	11/14/2003 13:40	
Zinc	62	1.0	mg/Kg	1.00	11/14/2003 13:40	
Mercury	0.16	0.050	mg/Kg	1.00	11/17/2003 12:44	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**KB-13 STOCKPILE**	Lab ID:	2003-11-0425 - 3
Sampled:	11/11/2003 09:00	Extracted:	11/13/2003 10:57 11/14/2003 08:14
Matrix:	Soil	QC Batch#:	2003/11/13-06.15 2003/11/14-01.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/14/2003 13:43	
Arsenic	3.0	1.0	mg/Kg	1.00	11/14/2003 13:43	
Barium	72	1.0	mg/Kg	1.00	11/14/2003 13:43	
Beryllium	ND	0.50	mg/Kg	1.00	11/14/2003 13:43	
Cadmium	ND	0.50	mg/Kg	1.00	11/14/2003 13:43	
Chromium	19	1.0	mg/Kg	1.00	11/14/2003 13:43	
Cobalt	5.8	1.0	mg/Kg	1.00	11/14/2003 13:43	
Copper	18	1.0	mg/Kg	1.00	11/14/2003 13:43	
Lead	9.1	1.0	mg/Kg	1.00	11/14/2003 13:43	
Molybdenum	ND	1.0	mg/Kg	1.00	11/14/2003 13:43	
Nickel	21	1.0	mg/Kg	1.00	11/14/2003 13:43	
Selenium	ND	2.0	mg/Kg	1.00	11/14/2003 13:43	
Silver	ND	1.0	mg/Kg	1.00	11/14/2003 13:43	
Thallium	ND	1.0	mg/Kg	1.00	11/14/2003 13:43	
Vanadium	26	1.0	mg/Kg	1.00	11/14/2003 13:43	
Zinc	62	1.0	mg/Kg	1.00	11/14/2003 13:43	
Mercury	0.11	0.050	mg/Kg	1.00	11/17/2003 12:45	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Batch QC Report

Prep(s): 3050B — Test(s): 6010B

Method Blank — **Soil** — **QC Batch # 2003/11/13-06.15**

MB: 2003/11/13-06.15-037 — Date Extracted: 11/13/2003 10:57

Compound	Conc.	RL	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	11/14/2003 09:33	
Arsenic	ND	1.0	mg/Kg	11/14/2003 09:33	
Barium	ND	1.0	mg/Kg	11/14/2003 09:33	
Beryllium	ND	0.50	mg/Kg	11/14/2003 09:33	
Cadmium	ND	0.50	mg/Kg	11/14/2003 09:33	
Chromium	ND	1.0	mg/Kg	11/14/2003 09:33	
Cobalt	ND	1.0	mg/Kg	11/14/2003 09:33	
Copper	ND	1.0	mg/Kg	11/14/2003 09:33	
Lead	ND	1.0	mg/Kg	11/14/2003 09:33	
Molybdenum	ND	1.0	mg/Kg	11/14/2003 09:33	
Nickel	ND	1.0	mg/Kg	11/14/2003 09:33	
Selenium	ND	2.0	mg/Kg	11/14/2003 09:33	
Silver	ND	1.0	mg/Kg	11/14/2003 09:33	
Thallium	ND	1.0	mg/Kg	11/14/2003 09:33	
Vanadium	ND	1.0	mg/Kg	11/14/2003 09:33	
Zinc	ND	1.0	mg/Kg	11/14/2003 09:33	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Batch QC Report

Prep(s): 7471A
Method Blank

Soil

Test(s): 7471A
QC Batch # 2003/11/14-01.16

MB: 2003/11/14-01.16-014

Date Extracted: 11/14/2003 08:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	11/17/2003 12:24	

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2003/11/13-06.15**

LCS 2003/11/13-06.15-038 Extracted: 11/13/2003 Analyzed: 11/14/2003 09:38

LCSD 2003/11/13-06.15-039 Extracted: 11/13/2003 Analyzed: 11/14/2003 09:42

Compound	Conc.	mg/Kg	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Antimony	93.9	98.0	100.0	93.9	98.0	4.3	80-120	20		
Arsenic	97.2	99.4	100.0	97.2	99.4	2.2	80-120	20		
Barium	97.4	99.8	100.0	97.4	99.8	2.4	80-120	20		
Beryllium	97.7	101	100.0	97.7	101.0	3.3	80-120	20		
Cadmium	96.9	98.8	100.0	96.9	98.8	1.9	80-120	20		
Chromium	94.2	96.6	100.0	94.2	96.6	2.5	80-120	20		
Cobalt	98.1	100	100.0	98.1	100.0	1.9	80-120	20		
Copper	101	104	100.0	101.0	104.0	2.9	80-120	20		
Lead	97.8	100	100.0	97.8	100.0	2.2	80-120	20		
Molybdenum	94.2	96.5	100.0	94.2	96.5	2.4	80-120	20		
Nickel	98.7	99.8	100.0	98.7	99.8	1.1	80-120	20		
Selenium	93.2	94.8	100.0	93.2	94.8	1.7	80-120	20		
Silver	100.0	103	100.0	100.0	103.0	3.0	80-120	20		
Thallium	94.2	95.2	100.0	94.2	95.2	1.1	80-120	20		
Vanadium	100	103	100.0	100.0	103.0	3.0	80-120	20		
Zinc	95.0	97.5	100.0	95.0	97.5	2.6	80-120	20		

CAM 17 Metals

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Laboratory Control Spike **Soil** **QC Batch # 2003/11/14-01.16**

LCS 2003/11/14-01.16-015 Extracted: 11/14/2003 Analyzed: 11/17/2003 12:25

LCSD 2003/11/14-01.16-016 Extracted: 11/14/2003 Analyzed: 11/17/2003 12:26

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Mercury	0.511	0.521	0.500	102.2	104.2	1.9	85-115	20		

SEVERN TRENT STL

Submission #: 2003-11-0425

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SOIL LINE STOCKPILE	11/11/2003 09:30	Soil	2

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Prep(s):	9045C	Test(s):	9045C
Sample ID:	**SOIL LINE STOCKPILE**	Lab ID:	2003-11-0425 - 2
Sampled:	11/11/2003 09:30	Extracted:	11/17/2003 08:46
Matrix:	Soil	QC Batch#:	2003/11/17-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
pH	12	0.1	SU	1.00	11/17/2003 08:46	

pH

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Batch QC Report

Prep(s): 9045C — Test(s): 9045C

Method Blank — **Soil** — **QC Batch # 2003/11/17-01.22**

MB: 2003/11/17-01.22-001 — Date Extracted: 11/17/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
pH	7.05	0.1	SU	11/17/2003	

SEVERN TRENT STL

Submission #: 2003-11-0425

Total Extractable Petroleum Hydrocarbons (TEPH)

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
TOWER SUMP PIPE	11/11/2003 10:00	Soil	1
KB-13 STOCKPILE	11/11/2003 09:00	Soil	3

Total Extractable Petroleum Hydrocarbons (TEPH)

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**TOWER SUMP PIPE**	Lab ID:	2003-11-0425 - 1
Sampled:	11/11/2003 10:00	Extracted:	11/13/2003 14:17
Matrix:	Soil	QC Batch#:	2003/11/13-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	73	5.0	mg/Kg	5.00	11/16/2003 00:59	ndp
Motor Oil	1000	250	mg/Kg	5.00	11/16/2003 00:59	
Surrogate(s)						
o-Terphenyl	NA	60	%	5.00	11/16/2003 00:59	sd

Total Extractable Petroleum Hydrocarbons (TEPH)

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**KB-13 STOCKPILE**	Lab ID:	2003-11-0425 - 3
Sampled:	11/11/2003 09:00	Extracted:	11/13/2003 14:17
Matrix:	Soil	QC Batch#:	2003/11/13-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	15	2.0	mg/Kg	2.00	11/15/2003 02:10	ndp
Motor Oil	140	100	mg/Kg	2.00	11/15/2003 02:10	
Surrogate(s)						
o-Terphenyl	99.9	60	%	2.00	11/15/2003 02:10	

Total Extractable Petroleum Hydrocarbons (TEPH)

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Batch QC Report

Prep(s): 3550/8015M
Method Blank
MB: 2003/11/13-07.10-001

Soil

Test(s): 8015M
QC Batch # 2003/11/13-07.10
Date Extracted: 11/13/2003 14:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	11/14/2003 11:14	
Motor Oil	ND	50	mg/Kg	11/14/2003 11:14	
Surrogates(s)					
o-Terphenyl	87.0	60-130	%	11/14/2003 11:14	

Total Extractable Petroleum Hydrocarbons (TEPH)

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike | **Soil** | **QC Batch # 2003/11/13-07.10**

LCS 2003/11/13-07.10-002 Extracted: 11/13/2003 Analyzed: 11/14/2003 11:44

LCSD 2003/11/13-07.10-003 Extracted: 11/13/2003 Analyzed: 11/14/2003 12:16

Compound	Conc.	mg/Kg	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	33.3	33.5	41.5	80.2	80.5	0.4	60-130	25		
Surrogates(s)										
o-Terphenyl	18.0	18.3	20.0	89.8	91.4		60-130	0		

Total Extractable Petroleum Hydrocarbons (TEPH)

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

SEVERN TRENT STL

Submission #: 2003-11-0425

CAM W.E.T. (STLC) Lead

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SOIL LINE STOCKPILE	11/11/2003 09:30	Soil	2

CAM W.E.T. (STLC) Lead

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Prep(s):	3005A	Test(s):	6010B
Sample ID:	**SOIL LINE STOCKPILE**	Lab ID:	2003-11-0425 - 2
Sampled:	11/11/2003 09:30	Extracted:	11/24/2003 05:06
Matrix:	Soil	QC Batch#:	2003/11/24-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.8	0.50	mg/L	1.00	11/24/2003 09:40	

CAM W.E.T. (STLC) Lead

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Batch QC Report

Prep(s): 3005A — Test(s): 6010B

Method Blank — **Soil** — **QC Batch # 2003/11/24-01.15**

MB: 2003/11/24-01.15-020 — Date Extracted: 11/24/2003 05:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	0.50	mg/L	11/24/2003 09:37	

CAM W.E.T. (STLC) Lead

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street
San Francisco, CA 94107-1366
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00
Praxair Oakland

Received: 11/11/2003 16:35

Batch QC Report

Prep(s): 3005A

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2003/11/24-01.15**

LCS 2003/11/24-01.15-021 Extracted: 11/24/2003 Analyzed: 11/24/2003 09:37

LCSD 2003/11/24-01.15-022 Extracted: 11/24/2003 Analyzed: 11/24/2003 09:38

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Lead	5.18	4.90	5.00	103.6	98.0	5.6	80-120	20		

80101

Sample Chain-of-Custody/Analysis Request 2003-11-0425 Kennedy/Jenks Consultants

Possible Hazards: Analytes

Client: Praxair Oakland | Report to: Meredith Durant

Site: Oakland | Company: Kennedy Jenks

Project No.: 000128.00 | Address: 622 Folsom St SF, CA 94107

Sampler Name: J. Farrell | Telephone: 415 243 2506 | Fax: 415 896 0999

Lab Destination: STL SF

Address: Quarry Lane Pleasanton, CA

Telephone: 925 484 1919

Carrier/Way Bill No.:

(1) Lab ID No.	(1) Client ID No.	Collection Date	Collection Time	(2) Type	Depth	(3) Comp.	(4) Pres.	Turn-around	(5) Analyses Requested: TEPH SGSM	CAM 17 Metals	PH	Comment/Conditions (container type, container number, etc.)
	Tower_Sump_Pipe	11/11/03	1000	S	2	-	None	5DAY	X			Brass Sleeve each
	Soil_Lime_Stockpile	11/11/03	0930	S	-		None	5 Day	X	X	X	↓
	KB-13_StockPile	11/11/03	0900	S	-		None	5Day	X	X		
												Homogenize each sample.

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analysis requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

Sample Relinquished By: Print Name	Signature	Company	Date	Time	Sample Received By: Print Name	Signature	Company	Date	Time
Jason Farrell		Kennedy Jenks	11/11/03	1357	Rodney Allen		STL-SF	11/11/03	13:57
Rodney Allen		STL SF	11/11/03	16:35					
					Nounak		STL-SF	11/11/03	1635

STL

STL San Francisco

Sample Receipt Checklist

Submission #:2003- 11 - 0425

Checklist completed by: (initials) DSL Date: 11 / 13 /03

Courier name: ~~☑~~ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes___ No___	Not Present ✓
Chain of custody present?	Yes ✓ No___	
Chain of custody signed when relinquished and received?	Yes ✓ No___	
Chain of custody agrees with sample labels?	Yes ✓ No___	
Samples in proper container/bottle?	Yes ✓ No___	
Sample containers intact?	Yes ✓ No___	
Sufficient sample volume for indicated test?	Yes ✓ No___	
All samples received within holding time?	Yes ✓ No___	
Container/Temp Blank temperature in compliance (4^{o} C ± 2)?	Temp: 2.4°C Yes ✓ No___	
	Ice Present Yes ✓ No___	
Water - VOA vials have zero headspace?	No VOA vials submitted ✓ Yes___ No___	

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

Water - **pH acceptable upon receipt?** ☐ Yes ☐ No Soil

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

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

Comments: _____

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

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

Client contacted: ☐ Yes ☐ No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

Appendix C

Asbestos Construction and Lead-Based Material Disposal Manifests

205A 36900

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Doc. No. | 2. Page 1 of

3. Generator's Name and Mailing Address (901) Embarcadero Oakland CA. 94621
Peas Air

4. Generator's Phone (415) 243-2150

5. Transporter 1 Company Name 7765 Enselle Transport Winnemucca NV 89445 | 6. US EPA ID Number | A. Transporter's Phone (707) 938-1477

7. Transporter 2 Company Name | 8. US EPA ID Number | B. Transporter's Phone

9. Designated Facility Name and Site Address Chem Waste Landfill 10840 Altamont Pass Rd Livermore, CA 94550 | 10. US EPA ID Number | C. Facility's Phone

GENERATOR

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZ - Transite and Wisdomay	001		00040	Y
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Profile #55049400 P.A.S. Ltd. Profile #55049700

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Eric Hamilton | Signature: E. Hamilton | Month 08 Day 12 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month 8 Day 13 Year 05

FACILITY

19. Discrepancy Indication Space: Ruben S. Hdez A. Tino Hernandez

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month 8 Day 20 Year

TRANSPORTER #1

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pitch typewriter)

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD982046615679 5		1 of 1	

3. Generator's Name and Mailing Address: Praxair, PO Box 237 Kearney NJ 07032

4. Generator's Phone: (732) 738-3424

A. State Manifest Document Number: 96756795

B. State Generator's ID:

5. Transporter 1 Company Name: Dembeck Transportation

6. US EPA ID Number: CAD982513632

C. State Transporter's ID:

D. Transporter 1 Phone: 707-838-1407

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter 2 Phone:

9. Designated Facility Name and Site Address: Altamont Landfill, 10840 Altamont Pass Rd, Livermore, CA 94550

10. US EPA ID Number: CAD981382732

G. State Facility's ID:

H. Facility's Phone: (925) 449-8349

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. R.Q. Asbestos, 9, NA2, PG=III (NA 2212) # 171	001	CM	000001	Y	State 151
b.					EPA/Other
c.					State
d.					EPA/Other
					State
					EPA/Other

J. Additional Descriptions for Materials Listed Above: Profile # 55048900, Job # 3434, IP Consulting, 201 Executive Pl, Martinez CA

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information: 24hrs Emergency Number 1800 535-3053, EPA, Region IX, (BAAQMB) Ellis St, San Francisco (11, Asbestos Removal Requirement

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Rodrigo Gutierrez	Rodrigo Gutierrez	05	12	05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Arturo J. Hernandez	Arturo J. Hernandez	05	12	05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL [illegible]

Yellow: GENERATOR RETAINS

DTSC 8022A (1/95)
EPA 8700-22

Appendix D

Class II Specification Tests for Baserock

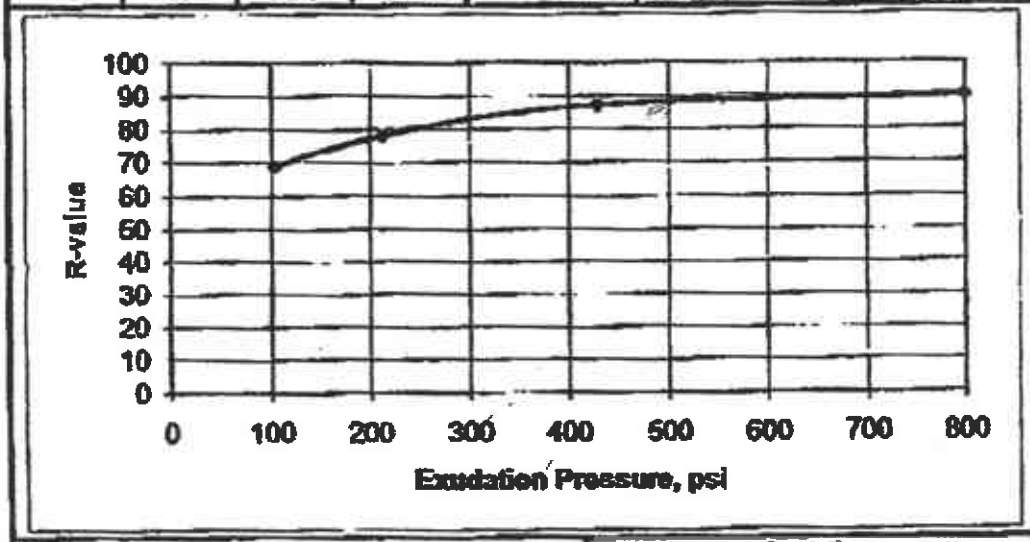
COOPER

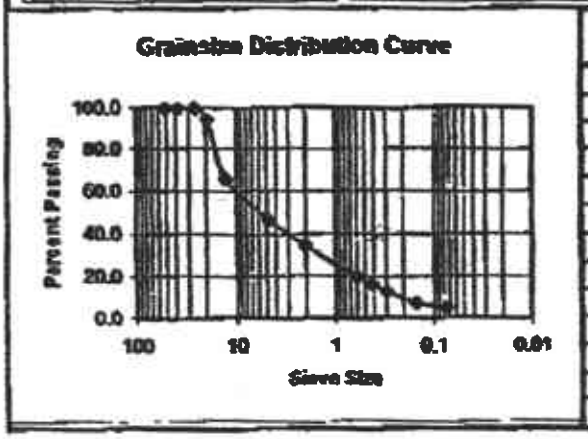
Class 2 Specification Tests for Baserock

Job No.: 611-001 Sample #: Class 2 AB Date: 6/11/2003
Client: Mag Trucking Source: In House 6/6/03 By: DC
Project: 98th & San Leandro Material: Gray Brown Sandy Gravel
Remarks:

Exud. (psi)	R-value	MC, %	Dens. PCF
800	90	11.8	111.6
104	69	13.4	105.2
213	78	13.4	110.7
429	87	12.6	111.5

Tests:	Results	Min. Spec.
R-value :	83	78
Coarse Durability:	62	35
Fine Durability:	56	35
Sand Equivalent:	52	25





Gradation
Operating Range

Sieve #	% Passing	Spec. 3/4"	Spec. 1.5"
2"	100.0		0
1.5"	100.0		90-100
1.0"	100.0	100	
3/4"	94.7	90-100	50-85
3/8"	66.0		
#4	46.8	35-80	25-45
#10	34.8		
#30	19.7	10-30	10-25
#40	16.2		
#50	12.4		
#100	7.8		
#200	4.7	2-9	2-8

Appendix E

Treadwell and Rollo Final Report
Geotechnical Services During Demolition

Treadwell&Rollo

9 February 2004
Project 3796.01

Ms. Meredith Durant
Kennedy/Jenks Consultants
622 Folsom Street
San Francisco, California 94107

Subject: Final Report
Geotechnical Services during Demolition
Praxair Facility Demolition
901 Embarcadero
Oakland, California

Dear Ms. Durant:

This letter summarizes the geotechnical services provided by Treadwell & Rollo, Inc. during demolition of the existing improvements at the former Praxair facility at 901 Embarcadero in Oakland, California. Our scope of work was performed for Kennedy/Jenks Consultants (K/J), the project environmental consultant for Praxair, in accordance with the *Subcontract Terms and Conditions for Professional Services and Construction Services,* dated 22 October 2003.

We were retained by K/J to provide geotechnical consultation regarding backfilling and to perform field density testing to check fill compaction during backfilling and grading operations associated with demolition of below-grade improvements at the former Praxair facility. The project consisted of demolishing sumps, utility lines, and pile foundations associated with the previous site use by Praxair, and backfilling the resulting excavations with engineered fill. The goal of the demolition and backfill activities was to prepare the site such that it would be acceptable for future development without major demolition or site preparation activities. The general contractor for the demolition and backfilling was Pacific States Environmental Contractors (PSEC) of Pleasanton, California. Inner City Demolition (ICD) was the demolition subcontractor to PSEC for the project. ICD removed the upper portion of all existing piles to a depth of at least five feet below existing grades, and they also removed some of the existing sump pits and utility lines at the site. ICD left the resulting excavations open, and they were subsequently backfilled by PSEC under the direction of our field engineer, as discussed subsequently. PSEC also removed some existing utility lines later during the project.

Between 17 October and 17 December 2003, we intermittently visited the site as requested by Messrs. Tim Ruff and Bryan Evans of PSEC and Ms. Meredith Durant of K/J. The items we observed and tested are summarized in the remainder of this letter.

Treadwell & Rollo, Inc. *Environmental & Geotechnical Consultants*
501 14th Street, Third Floor, Oakland, CA 94612
Telephone (510) 874-4500 Facsimile (510) 874-4507

FILL PLACEMENT AND COMPACTION

We performed a total of 25 field density tests to check the relative compaction[1] of:

- sump pit backfill
- abandoned utility trench backfill
- demolished pile excavation backfill.

The field density tests were performed using a nuclear moisture/density gauge in accordance with ASTM test methods D2922 and D3017 for density and moisture, respectively. The results of our field density tests are presented in Table 1. A site plan showing our approximate test locations is presented on Figure 1.

Laboratory compaction tests were performed on representative samples of on-site and imported soil to determine the maximum dry density and optimum moisture content of each material. The compaction tests were performed in accordance with ASTM Test Method D1557-00. The results of the laboratory compaction tests are summarized in Table 2.

Sump Pit Backfill

We provided recommendations to PSEC regarding appropriate methods for sump pit backfill during a site visit on 6 November 2003. Where the sump pits were bottomed in Bay Mud, we recommended Mirafi 500X tensile fabric be placed across the bottom of the excavation after the loose soil had been cleared. Where the bottom of the pit was below groundwater level, angular 3/4-inch crushed rock was placed in excavations to an elevation of one foot above the groundwater level. Mirafi 140N filter fabric was placed over the drain rock to prevent filtration of fines into the gravel layer. Where the bottom of the pit was above the groundwater level, either Class 2 aggregate base or 3/4-inch crushed rock could be placed over the tensile fabric. Above the filter fabric, we recommended either on-site soil or Class 2 aggregate base be moisture-conditioned to near optimum moisture content, placed in lifts not exceeding 12 inches in loose thickness, and compacted to at least 90 percent relative compaction. We recommended Bay Mud not be used as backfill because of the high moisture contents and anticipated difficulties placing it as fill without significant drying time.

---

[1] Relative compaction refers to the in-place dry density of a material, expressed as a percentage of the maximum dry density of the same material, as determined by the ASTM D1557-00 laboratory compaction procedure.

Between 13 November and 17 December 2003, we performed intermittent observation and testing during backfill of the sump pits. Based on the results of our observations and testing, we conclude the geotextile fabric(s) and backfill material were placed and compacted in accordance with the intent of our recommendations.

Abandoned Utility Trench Backfill

During our 6 November 2003 site visit, we recommended the same procedure be used for backfill of the abandoned utility trenches as the sump pits. Where Bay Mud was not present, fabric was not required at the bottom of the trench, and existing fill could be placed directly in the trench according to the same compaction requirements provided for sump pit backfill. For utility trenches backfilled within the city streets, the specifications required by the City of Oakland were followed, which consist of compacting the upper three feet of trench backfill to at least 95 percent relative compaction.

Our field engineer visited the site between 13 November and 17 December 2003 to test the backfill placed in abandoned utility trench excavations. On 17 December 2003, Class 2 aggregate base was placed in a trench that extended into 10th Avenue. The results of our field density tests indicated the material was too wet to achieve the required degree of compaction. PSEC chose to remove the wet aggregate base and replace it with controlled density fill. Based on our test results and observations, we conclude the abandoned utility trench backfill and geotextile fabric(s) were placed and compacted in accordance with the intent of our recommendations.

Pile Excavation Backfill

We provided recommendations to PSEC regarding appropriate methods for pile excavation backfill during our 6 November 2003 site visit. The pile excavations were generally 3 to 4 feet deep, and they were bottomed in sandy fill. We recommended the excavations for the removed pile foundations be cleaned of loose soil, and Mirafi 140N filter fabric to be placed over the base of the excavations. Existing fill was placed over the filter fabric and compacted according to the same compaction requirements provided for the sump pit backfill. Where clean sand (less than 10 percent passing the No. 200 sieve) was used as backfill, the soil was compacted to at least 95 percent relative compaction.

Our field engineer visited the site between 7 November and 17 December 2003 to test the backfill placed in pile excavations. Based on our test results and observations, we conclude the pile excavation backfill and geotextile fabric were placed and compacted in accordance with our recommendations and the project plans and specifications.

On the basis of our observations and results of our tests, we conclude the geotechnical-related aspects of the demolition at the subject project were performed in general conformance with the intent of our recommendations.

This letter concludes our services for the project. If you have any questions, please contact us.

Sincerely yours,
TREADWELL & ROLLO, INC.

REGISTERED PROFESSIONAL ENGINEER
ANDREW R. BLAISDELL
No. C 65158
Exp. 9/30/05
CIVIL
STATE OF CALIFORNIA

Andrew R. Blaisdell
Civil Engineer

Craig S. Shields
Geotechnical Engineer

REGISTERED PROFESSIONAL ENGINEER
CRAIG S. SHIELDS
GE2116
Ren. 3/31/05
GEOTECHNICAL
STATE OF CALIFORNIA

37960101.OAK

Attachments: Table 1 – Summary of Density Test Data
Table 2 – Summary of Laboratory Compaction Curves
Figure 1 – Site Plan with Field Density Test Locations

cc: Mr. Nick DiFranco – Praxair, Inc.
Ms. Diane Heinze – Port of Oakland
Ms. Jeriann Alexander – Fugro West, Inc.

TABLE 1 - SUMMARY OF DENSITY TEST DATA

Praxair Facility Demolition - Project No. 3796.01

Oakland, California

[1] *Approximate field density test locations are shown on Figure 1 (P = Demolished Piles; UL = Demolished Utility Line; GF = General Site Fill).*

[2] *Elevations are based on limited field measurements and are approximate only (AC = Top of asphalt pavement; AC - 3' = Depth below top of asphalt pavement; SG = Top of subgrade soil; SG- 1' = Depth below adjacent subgrade soil)*

[3] *As detemined by ASTM D1557-00 laboratory compaction procedure; maximum dry density and optimum moisture conent for different soil types presented in Table 2*

[4] *The ratio of the in-place dry density to the maximum dry density of the same material*

[4] *Minimum 90% relative compaction in general site fill; minimum 95% relative compaction in clean sand (less than 10% passing No. 200 sieve)*

Test No.	Test Location [1]	Date	Elevation (feet) [2]	Dry Density (pcf)	Moisture Content (percent)	Maximum Dry Density (pcf) [3]	Relative Compaction (percent) [4]	Required Compaction (percent) [5]	Comments
1	P	11/7/2003	SG - 3'	105	18.4	127	83	90	Fail, removed and replaced, see retest #3
2	P	11/7/2003	SG - 3'	108	21.6	127	85	90	Fail, removed and replaced, see retest #4
3	P	11/13/2003	SG - 1'	121	14.8	127	95	90	Pass, retest #1
4	P	11/13/2003	SG - 1.5'	116	13.7	127	91	90	Pass, retest #2
5	P	11/13/2003	SG - 1'	118	14.1	127	93	90	Pass
6	P	11/14/2003	SG - 1.5'	118	12.2	127	93	90	Pass
7	P	11/14/2003	SG - 3'	109	8.8	113.5	96	95	Pass
8	P	11/14/2003	SG - 1'	118	12.4	127	93	90	Pass
9	P	11/14/2003	SG - 3.5'	115	12.1	127	91	90	Pass
10	P	11/14/2003	SG - 2'	107	10.5	113.5	95	95	Pass
11	P	11/14/2003	SG - 4'	116	13.4	127	91	90	Pass
12	UL	11/17/2003	SG - 1'	115	13.2	127	91	90	Pass
13	UL	11/17/2003	SG - 0.5'	117	12.9	127	92	90	Pass
14	GF	11/26/2003	SG - 2.5'	120	11.3	127	94	90	Pass
15	GF	11/26/2003	SG - 1'	116	12.6	127	91	90	Pass
16	GF	11/26/2003	SG - 2.5'	120	14.4	127	94	90	Pass
17	P	11/26/2003	SG - 1'	115	14.8	127	91	90	Pass
18	P	11/26/2003	SG - 2.5'	115	16.2	127	91	90	Pass
19	GF	11/26/2003	SG - 0.5'	118	15.7	127	92	90	Pass
20	UL	12/4/2003	SG - 1'	117	13.3	127	92	90	Pass
21	UL	12/4/2003	SG - 2'	119	12.8	127	94	90	Pass
22	UL	12/4/2003	SG	116	14.1	127	91	90	Pass
23	UL	12/4/2003	SG - 0.5'	117	13.5	127	92	90	Pass
24	UL	12/17/2003	SG	117	13.1	127	92	90	Pass
25	UL	12/17/2003	AC - 3'	102	22.3	121	84	95	Fail, removed and replaced with CDF, pass

TABLE 2 - SUMMARY OF LABORATORY COMPACTION CURVES

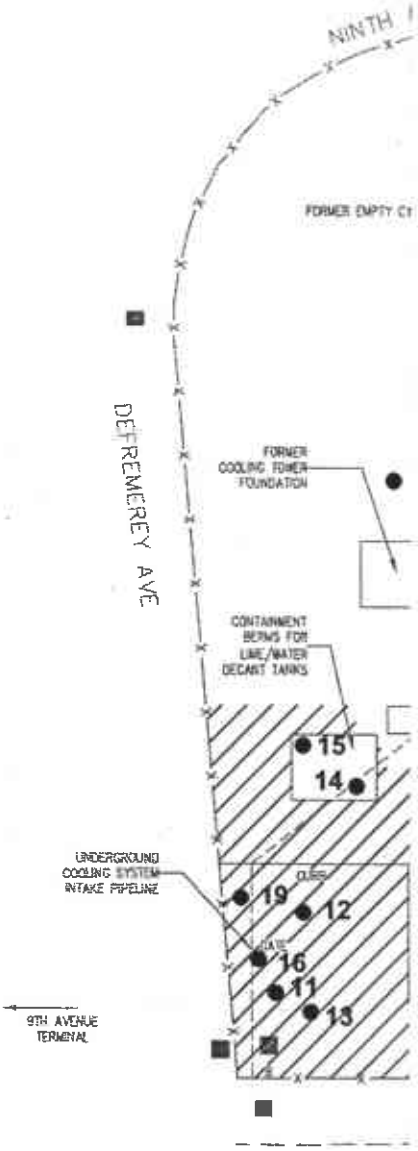
Praxair Facility Demolition - Project No. 3796.01
Oakland, California

Description	Type of Soil	Date Tested	Maximum Dry Density (pcf)[1]	Optimum Moisture Content (%)[1]
GRAVEL with SAND (GP), brown	Recycled Aggregate Base	10/19/2003	121	11.5
SAND (SP), brown	Existing Fill	10/30/2003	113.5	12
SAND with SILT and GRAVEL (SP-SM), orange-brown	Existing Fill	10/30/2003	125	11
CLAYEY SAND (SC), brown, mixed with SANDY CLAY (CL/CH), blue-gray	Existing Fill mixed with Native Soil	11/5/2003	127	11

[1] Based on ASTM D 1557-00 laboratory compaction procedures

EXPLANATION

1 ● Approximate location of field density test by Treadwell & Rollo, Inc.



No scale

PRAXAIR FACILITY DEMOLITION
Oakland, California

SITE PLAN WITH FIELD DENSITY TEST LOCATIONS

Date 02/03/04	Project No. 3796.01	Figure 1

Treadwell&Rollo

Reference: "Site Plan Prior to Demolition Activities," prepared by I

3796.01_FieldDensity.dwg

Appendix F

Construction and Demolition Debris Recycling Summary Report

Construction & Demolition Debris

C&D Debris Recycling Summary Report

CITY OF OAKLAND

This form must be completed for the following types of projects:

- *All New Construction (non-residential and residential)*
- *Demolition (non-residential and apartment house)*
- *Addition/Alteration (non-residential and apartment house) with construction valuation $50,000 or more*

NOTE: Completed Summary Reports must be submitted prior to Final Inspection, issuance of Certificate of Occupancy or Temporary Certificate of Occupancy. A separate Summary Report is required for each permit issued.

Submit completed Summary Report to the Building Inspector at Final Inspection. Summary Reports can also be submitted to Building Services, 250 Frank H. Ogawa Plaza, 2nd Floor or via fax at (510) 238-7286 prior to Final Inspection. Call to verify that receipt or if you have questions, (510) 238-SAVE(7283).

Permit#: B0304073

Project Address (Include floor, suite, etc.): 901 EMBARCADERO, OAKLAND

Contact Name: MEREDITH DURANT Title SENIOR ENGINEER

Company Name: KENNEDY/JENKS CONSULTANTS

Contact Mailing Address: 622 FOLSOM STREET SAN FRANCISCO, CA 94107

Phone: (415) 243-2150 Fax: (415) 896-0999 Email: meredithdurant@kennedyjenks.com

1. Type of Project: ☐ New Construction ☐ Addition/Alteration ☒ Demolition
2. Type of Building: ☒ Commercial ☐ Single Family Residence ☐ Apartment
3. Tenant Improvement: ☐ Yes ☒ No
4. Size of Project 3,600 sq. ft Construction Valuation $ 80,000
5. Project Completion Date 12/22/03
6. Please share any information, concerns, or ideas you have for improving the City's C&D Debris Recycling Program and helping the City achieve its' waste reduction and recycling goals.

_____

_____

_____

_____

For City Use Only: Documentation Requested ☐ Documentation Provided ☐

Permit No._____ **Submitted**___/___/___

Project Name_____ **Inspector's Name** _____ **Ext**_____

ESD Staff Initials_____ Received___/___/___ Type of Assistance_____

PTS 305___ DB ___/___/___ Applicant Contacted ___/___/___ Time Spent_____

☐ 50% Diversion ☐ Good Cause ☐ Non-Attainment

Reason for non attainment: _____

Requirement: Reduce quantity of materials disposed at landfills by 50% or more (determined by weight)

Column A – List Actual Quantities of waste for each material type (in **tons**). To convert yards to tons, use the Materials Conversion Worksheet provided in your packet. Includes demolition debris and discarded materials generated during construction.
Columns B, C, D – List **actual** quantities reused, recycled, or disposed.
Column E – State the name of all vendors or facilities used to reuse, recycle or dispose of material listed. See example below for cases where more than one facility was used for a particular material type.
Column Totals – Add up all quantities listed in Column A. Do the same for Columns B, C and D.

Recycled Mixed Debris This category is only for mixed debris loads that were taken to a recognized facility for recycling (See list of Mixed Debris Recycling Facilities insert in your C&D Packet). Use the Materials Conversion Worksheet to calculate quantity of materials that can be credited as recycled. Receipts must be provided with your Summary Report to receive recycling credit.

Application/Permit # B0304073 Project Address: 901 EMBARCADERO, OAKLAND

Material Handling Methods - Indicate **quantities (in tons only)** for each material listed.

Material Type	A Total Quantity Discarded	B Salvaged Or Reused	C Recycled	D Disposed	E Actual Destination(s)
Example: Cardboard	2 tons		1.5	.5	(Recycle) Davis St. Recycling Cntr (Disposal) Davis St. Transfer Station
Asphalt & Concrete	1,000	Ø	1,000	Ø	(EST. QUANTITY) INNER CITY DEMO
Brick/ Masonry/Tile	Ø	Ø	Ø	Ø	
Cabinets, doors, fixtures, (walls) (windows) (circle all that apply)	1.2	Ø	Ø	1.2	TRANSITE SIDING & WINDOWS W/ ASBESTOS TO ALTAMONT LANDFILL
Carpet	Ø	Ø	Ø	Ø	
(Carpet) Padding/Foam Only	Ø	Ø	Ø	Ø	
Cardboard	Ø	Ø	Ø	Ø	
Ceiling Tile (acoustic)	Ø	Ø	Ø	Ø	
Drywall (Used)	Ø	Ø	Ø	Ø	
Drywall (New, unpainted sheets or scrap)	Ø	Ø	Ø	Ø	
Landscape Debris (brush, trees, stumps, etc.)	Ø	Ø	Ø	Ø	
Scrap Metal	16.87	Ø	16.87	Ø	SCHNITZER STEEL
Unpainted wood & pallets	Ø	Ø	Ø	Ø	
Garbage/Trash	Ø			Ø	
Other (do not include dirt)	Ø	Ø	Ø	Ø	
Recycled Mixed Debris (see instructions above)	15.17		5.94	9.23	DAVIS STREET ALTAMONT LANDFILL
Column Totals	A 1,033.24	B Ø	C 1,022.81	D 10.43	E

7. Fill in the blanks below to determine if you met the City's requirement to reduce project waste by 50% or more.

   Column Totals B Ø + C 1022.81 = 1022.81 ÷ A 1033.24 = 0.989 x 100 = 99 %

8. Is the percentage listed in #7 greater than or equal to 50%? ☑ YES ☐ NO

   If NO, explain why _____

9. Print Name: MEREDITH DURANT Signature: Meredith G. Durant Date 2/27/04

Construction & Demolition Debris
C&D Debris Recycling Summary Report

CITY OF OAKLAND

This form must be completed for the following types of projects:

- *All New Construction (non-residential and residential)*
- *Demolition (non-residential and apartment house)*
- *Addition/Alteration (non-residential and apartment house) with construction valuation $50,000 or more*

NOTE: Completed Summary Reports must be submitted prior to Final Inspection, issuance of Certificate of Occupancy or Temporary Certificate of Occupancy. A separate Summary Report is required for each permit issued.

Submit completed Summary Report to the Building Inspector at Final Inspection. Summary Reports can also be submitted to Building Services, 250 Frank H. Ogawa Plaza, 2nd Floor or via fax at (510) 238-7286 prior to Final Inspection. Call to verify that receipt or if you have questions, (510) 238-SAVE(7283).

Permit#: B0304074

Project Address (Include floor, suite, etc.): 901 EMBARCADERO, OAKLAND

Contact Name: MEREDITH DURANT Title SENIOR ENGINEER

Company Name: KENNEDY/JENKS CONSULTANTS

Contact Mailing Address: 622 FOLSOM STREET SAN FRANCISCO, CA 94107

Phone: (415) 243-2150 Fax: (415) 896-0999 Email: meredithdurant@kennedyjenks.com

1. Type of Project: ☐ New Construction ☐ Addition/Alteration ☒ Demolition
2. Type of Building: ☒ Commercial ☐ Single Family Residence ☐ Apartment
3. Tenant Improvement: ☐ Yes ☒ No
4. Size of Project 15,400 sq. ft Construction Valuation $ 320,000
5. Project Completion Date 12/22/03
6. Please share any information, concerns, or ideas you have for improving the City's C&D Debris Recycling Program and helping the City achieve its' waste reduction and recycling goals.

For City Use Only: Documentation Requested ☐ Documentation Provided ☐

Permit No._____ **Submitted**___/___/___

Project Name_____ **Inspector's Name**_____ **Ext**_____

ESD Staff Initials_____ Received___/___/___ Type of Assistance_____

PTS 305___ DB ___/___/___ Applicant Contacted ___/___/___ Time Spent_____

☐ 50% Diversion ☐ Good Cause ☐ Non-Attainment

Reason for non attainment: _____

Requirement: Reduce quantity of materials disposed at landfills by 50% or more (determined by weight)

Column A – List Actual Quantities of waste for each material type (in **tons**). To convert yards to tons, use the Materials Conversion Worksheet provided in your packet. Includes demolition debris and discarded materials generated during construction.
Columns B, C, D – List **actual** quantities reused, recycled, or disposed.
Column E – State the name of all vendors or facilities used to reuse, recycle or dispose of material listed. See example below for cases where more than one facility was used for a particular material type.
Column Totals – Add up all quantities listed in Column A. Do the same for Columns B, C and D.

Recycled Mixed Debris This category is only for mixed debris loads that were taken to a recognized facility for recycling (See list of Mixed Debris Recycling Facilities insert in your C&D Packet). Use the Materials Conversion Worksheet to calculate quantity of materials that can be credited as recycled. Receipts must be provided with your Summary Report to receive recycling credit.

Application/Permit # B0304074 Project Address: 901 EMBARCADERO, OAKLAND

Material Handling Methods - Indicate **quantities (in tons only)** for each material listed.

Material Type	A Total Quantity Discarded	B Salvaged Or Reused	C Recycled	D Disposed	E Actual Destination(s)
Example: Cardboard	2 tons		1.5	.5	(Recycle) Davis St. Recycling Cntr (Disposal) Davis St. Transfer Station
Asphalt & Concrete	4,012.48	Ø	4,012.48	Ø	CONCRETE - EST. QUANTITY - INNER CITY DEMO ASPHALT - SPECIALTY CRUSHING
Brick/ Masonry/Tile	Ø	Ø	Ø	Ø	
Cabinets, doors, fixtures (walls) windows (circle all that apply)	4.8	Ø	Ø	4.8	TRANSITE SIDING & WINDOWS W/ ASBESTOS TO ALTAMONT LANDFILL
Carpet	Ø	Ø	Ø	Ø	
(Carpet) Padding/Foam Only	Ø	Ø	Ø	Ø	
Cardboard	Ø	Ø	Ø	Ø	
Ceiling Tile (acoustic)	Ø	Ø	Ø	Ø	
Drywall (Used)	Ø	Ø	Ø	Ø	
Drywall (New, unpainted sheets or scrap)	Ø	Ø	Ø	Ø	
Landscape Debris (brush, trees, stumps, etc.)	Ø	Ø	Ø	Ø	
Scrap Metal	67.49	Ø	67.49	Ø	SCHNITZER STEEL
Unpainted wood & pallets	16	16	Ø	Ø	EST. QUANTITY INNER CITY SELLING TO SALVAGE
Garbage/Trash	Ø			Ø	
Other (do not include dirt)	Ø	Ø	Ø	Ø	
Recycled Mixed Debris (see instructions above)	73.13		23.76	49.37	DAVIS STREET ALTAMONT LANDFILL
Column Totals	A 4,173.90	B 16	C 4,103.73	D 54.17	E

7. Fill in the blanks below to determine if you met the City's requirement to reduce project waste by 50% or more.

   Column Totals B 16 + C 4,103.73 = 4,119.73 ÷ A 4,173.90 = 0.987 x 100 = 98.7 %

8. Is the percentage listed in #7 greater than or equal to 50%? ☒ YES ☐ NO

   If NO, explain why _____

9. Print Name: MEREDITH DURANT Signature: Meredith G Durant Date 2/27/04