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Clayton GROUP SERVICES

Predevelopment Investigation

Former Dunne Paints
1007 41st Street
Oakland/Emeryville and
4050 Adeline Street
Emeryville, California

Clayton Project No. 70-03365.01
December 23, 2002

Prepared for:
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1.0 INTRODUCTION

Green City Lofts, LLC retained Clayton Group Services, Inc. (Clayton) to conduct a Predevelopment Investigation of the property located at 1007 41st Street in Oakland/Emeryville and 4050 Adeline Street in Emeryville, Alameda County, California (subject property). The subject property location and plan are depicted on Figures 1 and 2, respectively. Resumes for environmental professionals involved in this assessment are included in Appendix A.

1.1 PURPOSE

The purpose of the investigation was to provide an independent, professional opinion regarding the recognized environmental conditions (RECs) associated with the subject property identified during the performance of Clayton's Phase I ESA of the subject property (Clayton Project No. 70-03365.00; dated September 25, 2002). The Phase I ESA identified several RECs (as described in Section 1.4) at the subject property that were further assessed during this investigation. In addition, soil data was collected in order to facilitate the offsite disposal of excavated material in light of the proposed redevelopment. Furthermore, collected soil and groundwater data was used to evaluate potential human health risks following redevelopment.

1.2 METHODOLOGY

This investigation was performed under the conditions of, and in accordance with Clayton's Workplan dated October 30, 2002. The scope of work was approved by Barney Chan of the Alameda County Environmental Health Department (ACEHD). As a guideline, Clayton used ASTM Designation E 1903-97, *Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process*. This investigation included the following components:

- Work plan development
- Pre-field activities
- Field activities
- Laboratory analysis
- Data evaluation and report development

1.3 LIMITATIONS

The information and opinions expressed in this report are given in response to a limited assignment by Green City Lofts, LLC and should be considered and implemented only in light of that assignment. The services provided by Clayton in completing this project

were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.

1.4 BACKGROUND

The approximately 1-acre subject property currently consists of several interconnecting warehouse-type buildings that were constructed over time. Currently, the buildings are primarily used for commercial/live-work use or are otherwise vacant. The westernmost portions (about 9,500 square feet) consist of office and open warehouse space. The central and eastern portions contain multiple rooms/spaces that have been renovated for commercial/live-work use. Several small buildings are also located southeast of the main buildings. Total square footage of the buildings is reportedly 35,600-square feet. Asphalt-paved parking is present in the western portion, with concrete loading docks located along the southern portion (access from Adeline Street) and in the northern portion (access from 41st Street).

Historically, from at least 1903 to around 1952, the subject property was residentially developed in the central and western portions. From at least 1923 to around 1991, the eastern portions were developed with paint manufacturing buildings. Additional paint manufacturing facilities were added to the west after the residential structures were removed. Paint manufacturing activities were reportedly conducted onsite by Frank W. Dunne Company/Dunne Quality Paints during this time period. The locations of former paint manufacturing operations are shown on Figure 2. From 1991 to the present, the subject property has been used for the retail sale of paints, which reportedly ceased sometime in the mid-1990s, and residential and general warehouse purposes.

1.4.1 PLANNED REDEVELOPMENT SUMMARY

The subject property will be purchased and redeveloped in the near future with 5 buildings containing 62 loft-style residential condominiums. The height of these buildings will be between 3 and 5 stories (maximum height of around 75 feet). The proposed building elevation is shown on Figure 3. The existing buildings will be demolished and a virtually zero lot-line excavation of the underlying soil will be conducted in order to allow for an approximately 11-foot tall half-basement garage structure underneath the future buildings, resulting in approximately 12,000-cubic yards of excavated soil that will be disposed of offsite. The proposed excavation boundary is shown on Figure 4. This action will remove most of the contaminated material underlying the subject property. In addition, dewatering activities will most likely be conducted, as the planned excavation will encounter groundwater, which has historically been found to occur at depths of about 7 feet below ground surface (bgs). This dewatering action will also most likely remove a significant quantity of contaminated groundwater underneath the subject property. The basement structure and buildings will be constructed over a bentonite mat foundation, which will prevent groundwater intrusion into the structure. Furthermore, the basement garage will separate the overlying residential buildings from the underlying soil and will be naturally ventilated. This

redevelopment has been approved by both the City of Oakland and the City of Emeryville.

1.4.2 ENVIRONMENTAL SUMMARY

Three main environmental investigations have been conducted in association with the subject property. These were conducted in 1988, 1992, and 1999 and included limited soil and groundwater sampling. In summation, these investigations were initially conducted in 1988 to investigate six underground storage tanks (USTs) containing paint thinner located under the northern sidewalk, and included 16 borings in and around the USTs. Two groundwater monitoring wells (MW-D1 and MW-D2) were installed in the UST backfill areas and groundwater samples were subsequently collected from 1988 to 1999. In 1992, six soil borings (B-1 through B-6) were advanced across the subject property. In 1999, two shallow soil borings (DV and DS) and a grab groundwater sampling point (HP-4) were advanced in the southern portion of the subject property. The results of these investigations are summarized in Clayton's Phase I ESA report dated September 25, 2002 as well as below.

Previous Soil Evaluation Activities

Frank W. Dunne Company/Dunne Paints Company operated the subject property from at least 1923 to 1991 for manufacturing of architectural coatings. Operations involved latex paint blending, varnish production, and solvent mixing primarily within the eastern and southern portions of the subject property. The operations included the use of 6 paint thinner USTs (the date of the installation of these USTs is not well understood), multiple aboveground storage tanks (ASTs), solvent mixing, and brick ovens for varnish production.

Soil evaluation activities commenced in 1988, with the collection of multiple soil samples from 16 soil borings advanced near the former paint thinner USTs in the northern sidewalk. Elevated concentrations of total petroleum hydrocarbons were detected quantified as mineral spirits (TPH-ms) were detected with a maximum concentration of 27,391 parts per million (ppm). The USTs along with about 60 cubic yards of contaminated soil were reportedly removed in 1988.

In 1992, six additional soil borings (B-1 through B-6) were advanced with samples collected and analyzed at 4 and 7 feet bgs, respectively, within several interior and exterior portions of the subject property. Analytical results indicated concentrations of TPH-ms in 5 of the 12 soil samples tested, with the highest concentration detected in B-6 (620 ppm) at a depth of 7 feet bgs within the former paint manufacturing building (eastern portion of the subject property). TPH odors and/or detectable concentrations were found in all six borings. No concentrations of other TPH compounds or benzene, toluene, ethylbenzene or xylenes (BTEX, collectively) were detected in the soil samples.

In 1999, two additional soil borings (DV and DS) were advanced near an in ground vent and within an exposed patch of soil in the southern portion of the subject property, within

the former varnish production area. Elevated concentrations of metals including zinc (4,100 ppm), mercury (2,700 ppm), and lead (1,900 ppm) were discovered in near surface soil in the DS boring. In addition, up to 15,000 ppm of TPH-ms was detected in near surface soil in the DS boring. Geotechnical borings advanced on the subject property in 2000 have also revealed petroleum odors to between 5 and 15 feet bgs. In addition, odors were noted in soil during groundwater hydropunch sampling (HP-4).

In 1999, a soil vapor (flux chamber) sample was collected from the subject property in a room that was reportedly formerly used for solvent mixing. The soil vapor sample was analyzed for volatile organic compounds (VOCs). Concentrations of VOCs detected from the vapor sample collected on the subject property included methylene chloride, benzene, toluene, xylene, acetone, propanol, butanone, hexane, cyclohexane, ethanol, and TPH.

Through these soil investigations and geotechnical work, the presence of approximately 3 to 4 feet of fill of unknown origin and containing some debris, such as glass fragments, was found to exist at some locations at the subject property. The only soil samples collected within the reported fill material present at the subject property were the DV and DS samples at the surface, 2 and 3 feet bgs. The lateral and vertical extent of the fill was not investigated across the subject property.

The offsite disposal of excavated soil (reportedly around 12,000-cubic yards) will occur during the redevelopment activities planned for the subject property. Since this material was largely uncharacterized and the collected data indicates the presence of hazardous substances and petroleum products, special handling and soil disposal requirements will most likely apply. The lack of comprehensive soil data throughout the subject property was deemed to be of environmental concern.

Previous Groundwater Evaluation Activities

Groundwater quality was evaluated at 3 locations on and near the subject property as follows: two groundwater monitoring wells (MW-D1 and MW-D2) installed in two of the UST backfills (northern sidewalk area) and from a temporary well (HP-4) installed in the southern portion of the subject property, near former resin aboveground storage tanks (ASTs). The HP-4 location was sampled for TPH-ms only, and was found to contain TPH-ms at 570 parts per billion (ppb). The monitoring wells were sampled between 9 and 10 times, respectively, from 1988 to 1999, with the maximum concentration of analytes being total purgeable petroleum hydrocarbons (TPPH)-non gasoline at 6,200 ppb and TPH-ms found at 1,600 ppb discovered in MW-D2. These wells were also analyzed for chlorinated VOCs 2 or 3 times and no concentrations were detected. No other groundwater samples were collected at the subject property.

Groundwater levels were measured about 10 times in wells MW-D1 and MW-D2 in the UST backfill, as well as 7 other monitoring wells located in 41st Street and the northern adjoining O.N.E. Color Communications property and the eastern adjoining California Linens property, and groundwater was found to generally occur around 6 to 8 feet bgs.

The groundwater flow direction in this monitoring well network has been measured, and westerly and southwesterly groundwater flows have been reported.

Only one groundwater sample was collected at the subject property (HP-4 near the southern subject property), which was contaminated with 570 ppb of TPH-ms; the source of this contamination was unknown. Therefore, the downgradient and lateral extent of the groundwater contamination on the subject property did not appear to be well understood. Furthermore, other compounds were historically detected onsite and were not tested for comprehensively in soil or groundwater across the subject property. These include metals (primarily lead, mercury, and zinc), VOCs including methylene chloride, which were historically used onsite, and semi-VOCs (SVOCs).

Groundwater is expected to be encountered during the planned redevelopment activities and will be discharged offsite. In addition, dewatering activities beneath the future buildings are expected to occur based on the groundwater elevation. The lack of comprehensive groundwater characterization across the subject property was deemed to be of environmental concern.

Potential Onsite Source Areas

Based on review of previous environmental investigations and historical use of the subject property, it did not appear that all of the former onsite industrial use areas were thoroughly investigated. To date, the environmental investigations have focused on the six former paint thinner USTs in the northern sidewalk, which are not located on the subject property, as well as a paint thinner UST on the O.N.E. Color Communications and fuel USTs at California Linens as the only source of contamination.

Our review of the limited data does indicated that other potential source areas could be present, such as the solvent mixing room, where elevated concentrations of VOCs and TPH were detected in soil vapor (flux chamber) samples, the former paint manufacturing building where 620 ppm of TPH-ms was detected in a soil sample, and the former ASTs in the southern portion of the property where a groundwater sample revealed 570 ppb of TPH-ms. Also, only limited soil sampling has been conducted throughout the building and in the former varnish production area, which contains multiple sumps and drains, some of them still containing liquids. The shallow soil sample collected in the varnish production area showed significantly elevated concentrations of metals and TPH-ms. In addition, the area of the westernmost office/warehouse portion of the subject property was historically used for outdoor storage of miscellaneous materials and the soil or groundwater quality in this area has not been investigated (petroleum odors were noted in geotechnical borings advanced in this area).

In summary, there appear to be several historic use areas, which were not thoroughly investigated, including:

- Underground dispenser piping from the USTs and pump in the southern portion of the subject property.

- Former varnish production area in the southern portion of the subject property consisting of brick ovens, drains, sumps, and aboveground piping.

- Underground sewer systems, which may have received wastes, including the northern sump in the northern loading dock area and the drain in the southwestern corner of the parking lot.

- Former paint manufacturing building.

- Former solvent mixing room.

- Former outdoor AST area.

- Former office/warehouse building formerly used for outdoor storage of miscellaneous materials.

- The northern adjoining ONE property and the eastern adjoining California Linens property both have significant groundwater contamination issues and are located upgradient from the subject property. Contaminant plumes may have migrated underneath the subject property. In addition, the eastern adjoining warehouse was an appliance manufacturer in the late 1960s and it is unknown if chemical releases from this property have occurred.

REC Summary

The following RECs were identified during the Phase I ESA:

- With regards to the largely uncharacterized soil and groundwater quality at the subject property, Clayton recommended conducting a subsurface investigation to understand the nature and extent of soil and groundwater contamination on the subject property in coordination with the ACEHD.

- Redevelopment plans include the mass excavation of the subject property to depths of about 10.5 feet bgs, including excavation of 3 to 4 feet of fill of unknown origin and soil from below the groundwater surface. Insufficient soil data was collected to fully characterize the subsurface conditions. Clayton recommended comprehensively characterizing the soil to be excavated (including the fill material) across the entire subject property prior to excavation in order to allow for waste profiling, appropriate offsite disposal, and worker health and safety protection.

- To facilitate the construction of the proposed below grade structure, groundwater will be extracted and discharged. Long-term operation of the below grade basement structure may also generate contaminated groundwater. Groundwater water quality information should be collected to allow the discharge to be treated and permitted. In addition, offsite properties to the north and east are known to contain significant groundwater contamination that could be drawn on to the property during dewatering

activities. Clayton recommended collecting grab groundwater samples from the subject property's upgradient boundaries (northern and eastern) in order to evaluate the potential migration of contaminant plumes underneath the subject property and associated waste discharge requirements.

2.0 SCOPE OF WORK

The scope of work of this investigation involved assessing soil and groundwater underneath the subject property. The scope of work is described in detail below:

2.1 PRE-FIELD ACTIVITIES

A specific work plan was developed and submitted to the Alameda County Environmental Health Department (ACEHD). The work plan described Clayton's work objectives, including the proposed assessment activities, the field sampling plan, and laboratory analytical tests. Clayton interacted with Mr. Barney Chan of the ACEHD during the investigation, who approved the scope of work.

Prior to conducting the field activities, a health and safety plan specific to the work at the subject property was prepared. Clayton also marked the area to be assessed with white paint and contacted Underground Service Alert (USA) at least 48 hours prior to conducting the field activities. Clayton utilized a private utility locating service prior to conducting field activities. In addition, Clayton obtained a drilling permit from the Alameda County Department of Public Works (ACDPW).

2.2 FIELD ACTIVITIES

There are three primary purposes for performing this investigation:

1) Clayton evaluated soil conditions within the area to be excavated during redevelopment activities in order to appropriately characterize the soil for offsite disposal and for worker health & safety.

2) Clayton evaluated soil in potential source areas through discrete sampling.

3) Clayton gathered soil and groundwater data below the depth of the planned excavation for use in a health risk assessment (HRA) and to characterize environmental quality of the remaining subsurface following redevelopment.

On November 4 and 5, 2002, Jesse D. Edmands, Supervisor of Environmental Assessments and Erick Leif, Staff Environmental Consultant of Clayton, supervised the advancement of 16 borings (B-1 through B-16) at locations depicted on Figure 2. The borings were advanced using Geoprobe® direct push drilling equipment. Concrete coring was necessary at several locations, since the majority of the investigated areas were capped by concrete building foundations or concrete pavement.

A total of 16 borings were advanced within the following areas across the subject property as follows: former laboratory (B-1), former paint mill (B-2 and B-4), former solvent mixing room (B-3), near two outdoor sumps (B-5 and B-7), former varnish kitchen (B-6 and B-8), former UST dispenser and piping (B-10 and B-12, respectively), former resin ASTs (B-11), former latex paint blending room (B-9), historic outdoor storage area (B-13 and B-14) and at downgradient locations B-15 and B-16.

These areas were designed to investigate potential source areas on the subject property and to provide appropriate spacing for soil compositing. The borings were advanced both inside and outside of the current buildings to depths between 11 and 30 feet bgs.

2.2.1 Composite Soil Sampling

Clayton performed soil analyses on 4-point composite soil samples, which is required for characterizing appropriate disposal methods for waste material. The soil sample compositing was done according to sample depth and material horizon. Three soil samples were collected from each of the 16 borings as follows:

- One (1) soil sample was collected from the shallow vadose zone (sometimes containing fill) encountered from the ground surface to about 3 feet bgs;
- One (1) soil sample was collected from the vadose zone between the shallow/fill zone and the groundwater table from around 4 to 7 feet bgs;
- One (1) soil sample was collected from soil underneath the groundwater table from around 8 to 13 feet bgs.

These 48 soil samples were composited by the laboratory into 12, 4-point composite samples for analysis from four areas across the subject property as shown on Figure 4. The results of the composite soil sampling are provided in Appendix C.

2.2.2 Discrete Soil Sampling

Twenty six (26) soil samples from the borings were obtained in the areas of concern (*e.g.*, solvent mixing room, paint mill, latex blending room, varnish kitchen, sumps, UST dispenser and piping, resin ASTs, and historic area of outdoor storage) based on field observations (*e.g.*, odors, discoloration, chemical sheen). The discrete soil samples were collected from 3 to 25 feet bgs within 15 of the 16 borings as follows:

Boring ID	Sample Depth (feet bgs)
B-1	11
B-2	6 and 16
B-3	3 and 13

Boring ID	Sample Depth (feet bgs)
B-4	10
B-5	3 and 13
B-6	9
B-7	4, 12, and 23
B-8	5 and 17
B-9	6 and 14
B-10	6, 9, and 25
B-11	3, 10, and 16
B-12	3
B-13	14
B-14	3
B-16	3

*Discrete soil sampling locations are also depicted on Figures 6 and 7.

Clayton screened soil cores for lithology and physical evidence of contamination (*e.g.*, odors, discoloration, chemical sheen). Clayton also screened soil at approximately 2.0-foot intervals for ionizable substances using an organic vapor analyzer (OVA). A 6.0-inch long soil sample was cut from the acetate sample tube, sealed with Teflon tape, capped, labeled, and placed in a pre-chilled ice chest. Collected soil samples were then transported to a State of California-certified laboratory under formal chain-of-custody documentation.

2.2.3 Groundwater Sampling

The 16 borings were developed into temporary well points for collecting grab groundwater samples at each boring location. A temporary one-inch outer diameter PVC casing was installed into the open boreholes. The lower five feet of casing was slotted screen.

Sufficient groundwater was not encountered in 12 of the 16 borings due to the extensive presence of clay. Borings on the western end of the subject property (B-12, B-14, B-15, and B-16) contained some gravel and produced groundwater for sample collection. The other 12 locations lacking sufficient groundwater for sample collection were left open for 3 days following completion of the field activities, and groundwater failed to enter the 12 open boreholes during this period, some of which had been drilled to depths of 30 feet.

The grab groundwater samples from the 4 locations were collected using a disposable bailer, and transferred into appropriate laboratory supplied containers. The sample containers were sealed, labeled with identifying information and placed in a pre-chilled ice chest for transportation to the analytical laboratory under formal chain-of-custody documentation.

Once the fieldwork was complete, the PVC casing was removed and the borings were filled to the ground surface with cement grout. Waste generation during the fieldwork consisted of soil cuttings containerized in one 55-gallon drum and left onsite for future disposal pending receipt of the analytical results.

2.3 LABORATORY ANALYSIS

A total of 26 discrete soil samples and 4 grab groundwater samples were submitted for analysis under formal chain-of-custody documentation to McCampbell Analytical's State of California-certified laboratory in Pacheco, California. In addition, the 12 composite soil samples for waste characterization were submitted (see Appendix C). The analytical results are summarized in Tables 1 through 6. Copies of the certified analytical data sheets and chain-of-custody documentation are included in Appendix D.

2.3.1 Discrete Soil Analysis

The 26 discrete soil samples were analyzed using following United States Environmental Protection Agency (USEPA)-approved methods:

- USEPA Method 8015M for Total Petroleum Hydrocarbons in the gasoline range (TPH-g), diesel range (TPH-d), and motor oil range (TPH-mo)
- USEPA Method 8260 for Volatile Organic Compounds (VOCs), including benzene, toluene, ethylbenzene, and xylenes (BTEX, collectively) and methyl tertiary butyl ether (MTBE)

In addition, eleven discrete soil samples collected above 7 feet bgs were analyzed for the following:

- USEPA Method 6010 for California Assessment Manual (CAM) 17 total metals (CAM 17)

2.3.2 Groundwater Analysis

The 4 grab groundwater samples collected were analyzed using the following USEPA-approved methods:

- USEPA Method 8015M for TPH-g, -d, -mo
- USEPA Method 8260 for VOCs, including BTEX and MTBE

- USEPA Method 6010 for CAM 17 total metals. Samples were collected in unpreserved bottles and filtered by the laboratory prior to analysis.

- USEPA Method 9045/9040 for pH

3.0 PHYSICAL CHARACTERISTICS OF THE SUBJECT PROPERTY

This section discusses the surface and subsurface features of the subject property observed during this investigation.

3.1 SURFACE FEATURES

The subject property consists of warehouse-type buildings constructed on concrete foundations approximately 5-inches thick. An approximately 4-foot tall concrete loading dock is present in the northern portion, fronting 41st Street. A concrete driveway is located along the southern portion of the subject property, and upslopes to a higher elevation (approximately 2-feet) from the asphalt-paved parking lot in the western end of the subject property. Virtually the entire subject property is capped by asphalt, concrete pavement, or building foundations.

The areas around the subject property consist of industrial properties. The National Upholstery building is located immediately south of the subject property. Concrete sidewalks followed by Adeline and 41st Streets, both capped by asphalt, are located west and north of the subject property, respectively. Beyond Adeline Street is an elementary school and residences. Beyond 41st Street are residences and the O.N.E. Color Communications (former Boysen Paint) site. East of the subject property is an asphalt-paved parking lot followed by Linden Street, with the California Linens site beyond. A warehouse building is located immediately southeast of the subject property.

3.2 GEOLOGY/LITHOLOGY

Soil types encountered below the subject property generally consist of clayey fill material containing red bricks and sand from around 2 to 5 feet bgs in some places. Underlying the fill is dark gray clay. Increasing sand and gravel content components were observed in the western borings on the subject property, with some of these borings producing groundwater within the higher gravel content zones.

3.3 BORING OBSERVATIONS

Sixteen borings (B-1 through B-16) were advanced on the subject property at locations depicted on Figure 2. During logging of each soil boring, soil samples were thoroughly inspected for visual evidence of contamination. The evidence of petroleum staining, odors, and OVA readings are presented on the boring logs in Appendix B and on the geological cross section (Figure 8).

Boring B-1 was advanced in the northeastern corner of the subject property, within a former laboratory. Shallow refusal of the drilling equipment was encountered at 11 feet bgs. Green soil staining and a petroleum hydrocarbon odor were noted in soil from 8 to 11 feet bgs; OVA readings ranged from 0.0 to 3.1 ppm in this depth interval.

Boring B-2 was advanced in the former paint mill, south of Boring B-1. Petroleum hydrocarbon odors and black/green soil staining were noted throughout the 16-foot deep boring. OVA readings ranged from 24.2 to 151.6 ppm, with the highest readings over 100 ppm detected below 6.5 feet bgs.

Boring B-3 was advanced in the former solvent mixing room in the eastern portion of the subject property. Petroleum hydrocarbon odors and green/black soil staining was noted from 7 to 16 feet bgs, which was the total depth of the boring. OVA readings ranged from 0.0 to 13.9 ppm, with the 13.9 ppm reading occurring at around 12 feet bgs.

Boring B-4 was advanced in the former paint mill, west of Boring B-2. The upper soil (above 10 feet) in this boring contained no readily apparent petroleum hydrocarbon odors, stained soil, or OVA readings; soil below 10 feet contained some green soil staining and petroleum hydrocarbon odors to 16 feet bgs, which was the total depth of this boring. OVA readings were detected at around 10 and 12 feet bgs up to 55.3 ppm; no readings were detected at 14 and 16 feet bgs.

Boring B-5 was advanced in a former outdoor storage area and near a sump of unknown purpose, west of Boring B-3. No soil staining or readily apparent petroleum hydrocarbon odors were noted in soil from the surface to about 9 feet bgs; however, OVA readings revealed detections ranging from 3.9 to 19.1 ppm in this interval. Black and green soil staining was generally observed from 9 to 17 feet bgs, which was the total depth of B-5. OVA readings up to 162.2 ppm were detected below 9 feet.

Boring B-6 was advanced near the former varnish kitchen, southwest of Boring B-5. Reddish-brown fill material was noted in this boring to about 4 feet bgs. No petroleum hydrocarbon odors or staining was observed from the surface to around 9 feet; however, OVA readings revealed 2.4 to 6.2 ppm within this interval. Black and green soil staining and petroleum hydrocarbon odors were noted from 9 to 18 feet bgs with OVA readings up to 212.2 ppm in this interval.

Boring B-7 was advanced in the concrete driveway, near a sump just north of a suspected varnish kitchen. Soil with black and green soil staining as well as petroleum hydrocarbon odors were noted throughout this boring. OVA readings ranged from 14.4 to 55.7 ppm, with the highest detection recorded at 9 feet bgs. From about 22 to 30 feet bgs, which was the total depth of B-7, no soil staining or elevated OVA readings were observed.

Boring B-8 was advanced near an in-ground air vent within the former varnish kitchen area in the southern portion of the subject property. No petroleum hydrocarbon odors, soil staining, or elevated OVA readings were observed from the surface to about 8 feet bgs. From 8 to 17 feet bgs, which was the total depth of B-8, petroleum hydrocarbon

odors along with green/black soil staining were noted from 14 to 17 feet. OVA readings from 8 to 17 feet bgs ranged from 18.3 to 156.9 ppm, with the highest readings recorded at 8 and 16 feet bgs, respectively.

Boring B-9 was advanced in the former latex paint blending room toward the central portion of the subject property. No soil staining or petroleum hydrocarbon odors were noted from the surface to about 8 feet bgs; OVA readings ranged from 3.1 to 9.1 ppm within this interval. Black soil staining and petroleum hydrocarbon odors were noted from about 8 to 10 feet bgs, with green soil staining and petroleum hydrocarbon odors noted from 10 to 15 feet bgs, where refusal of the drilling equipment prevented further advancement of this boring. Elevated OVA readings were observed at 11 (161.5 ppm) and 13 (115.3 ppm) feet bgs.

Boring B-10 was advanced near the former solvent UST pump located outside the south end of a central warehouse building on the subject property. No petroleum hydrocarbon odors were noted from 3 to about 6 feet bgs. Petroleum hydrocarbon odors and green/black soil staining were noted from about 6 to 22 feet bgs; OVA readings within this interval ranged from 0.0 to 139.6 ppm, with the highest concentration detected at 6 feet bgs. No odors, soil staining, or elevated OVA readings were noted from soil between 22 and 30 feet bgs, which was the total depth of B-10.

Boring B-11 was advanced in the concrete driveway within the former resin AST area along the southern subject property boundary, just southwest of B-10. Soil was not recovered from 0.5 to 1.5 feet bgs. Black and green soil staining and petroleum hydrocarbon odors were noted from 1.5 feet to 22 feet bgs. OVA readings ranged from 7.7 to 222.2 ppm within this interval, with the highest concentration observed around 7.5 feet bgs. No soil staining or petroleum hydrocarbon odors were noted in soil from 22 to 27 feet bgs, which was the total depth of B-11.

Boring B-12 was advanced within the northern portion of a warehouse, along the suspected former UST piping connecting the pump near B-10 to the former USTs in the northern sidewalk. Soil with no soil staining or petroleum hydrocarbon odors was noted from the surface to about 9 feet bgs. Soil from 9 to 17 feet bgs was stained black and green and contained petroleum hydrocarbon odors. OVA readings ranged from 14.8 to 206.8 ppm, with the highest concentration observed at 15 feet bgs, which was within groundwater, which was encountered around 14 feet in this boring. Groundwater collected from this boring also contained petroleum hydrocarbon odors and sheen. The total depth of B-12 was 17 feet bgs.

Boring B-13 was advanced just west of the concrete driveway in the western portion of the subject property. No petroleum hydrocarbon odors, soil staining, or elevated OVA readings were observed in soil to about 6 feet bgs. Soil from 6 to about 17.5 feet bgs contained black and green staining, petroleum odors, and OVA readings ranging from 10.9 to 50.4 ppm, with the highest reading observed at 15 feet bgs. Soil from below 17.5 feet to 30 feet bgs was free from staining, petroleum hydrocarbon odors, and elevated OVA readings.

Boring B-14 was advanced within the westernmost warehouse on the subject property. Fill was noted to about 5 feet bgs. No petroleum hydrocarbon odors, soil staining, or elevated OVA readings were noted from the surface to about 10 feet bgs. Beginning around 10 feet bgs, petroleum hydrocarbon odors were noted and an OVA reading of 107.4 ppm was observed, with green soil noted from around 13 to 17 feet bgs with an OVA reading of 47.1 ppm within this interval. The odors/soil staining corresponded to the approximate depth of groundwater encountered in this boring, which also contained a petroleum odor and sheen.

Boring B-15 was advanced in the northwest corner of the subject property in the asphalt-paved parking lot, near the intersection of 41st Street and Adeline Street. The sample underneath the asphalt to 3 feet was not recovered. No petroleum hydrocarbon odors, soil staining, or elevated OVA readings were observed from 3 to about 8 feet. Soil beyond 8 feet to 17 feet bgs contained petroleum hydrocarbon odors, with green soil noted from 10 to 17 feet bgs. An elevated OVA reading was observed at 11 feet (131.5 ppm). Groundwater was encountered around 11 feet bgs and corresponded with increasing gravel content, and groundwater contained a petroleum hydrocarbon odor and sheen.

Boring B-16 was advanced in the southwestern corner of the subject property in the asphalt-paved parking lot. No petroleum hydrocarbon odors, soil staining, or elevated OVA readings were observed from the surface to about 6 feet bgs. Soil beyond 6 feet contained petroleum hydrocarbon odors with green soil noted from 9 to 12 feet bgs. An elevated OVA reading was observed at 10 feet bgs at 74.4 ppm. Groundwater was encountered around 9 feet bgs, which corresponded with increasing gravel content, and groundwater contained a petroleum hydrocarbon odor and sheen.

3.3.1 Observation Summary

In general, petroleum hydrocarbon odor and staining was observed beginning around 6 feet bgs and extended to about 22 feet bgs, excluding B-10 and B-11, where petroleum hydrocarbon odors and staining were observed throughout the depth. Very little water bearing sediments, except for increased sand and gravel at some locations in the western portions of the subject property which produced sufficient groundwater for sample collection, were observed in the borings. The depth of the first evidence of contamination generally corresponds with the depth of groundwater at about 7 feet bgs, which had been historically observed in the general vicinity of the subject property.

4.0 ANALYTICAL RESULTS

4.1 SHALLOW VERSUS DEEP SOIL

The discrete soil sampling data is summarized in Tables 1 through 3 and presented below. The TPH-g and TPH-d data is also depicted on Figures 6 and 7. Figure 5 presents discrete TPH soil analytical data plotted as a function of sample depth. As seen on Figure 5, the analytical data defines three main zones, one with generally low

concentrations above 7 feet, one with higher concentrations between 7 and 17 feet bgs, and another one with lower concentrations from 17 to 30 feet bgs. However, two areas with high concentrations in the shallow soil were discovered, and include B-10@6' (3,500 mg/kg of TPH-d) and B-11@3' (4,300 mg/kg of TPH-d), which are the highest concentrations of TPH in the diesel range detected during this investigation in the shallow soil.

In general, the shallow zone is characterized by low concentrations of petroleum hydrocarbons (excluding the concentrations detected at B-10 and B-11) below 250 mg/kg. The middle zone is generally characterized by higher concentrations above 250 mg/kg and corresponds to the area where groundwater was encountered in 4 of the borings and thought to occur across the site. The deeper zone is characterized by little or no concentrations of petroleum hydrocarbons.

Presented below are the general findings associated with this investigation. To aid in data interpretation, Figures 6 and 7 provide approximate contours of TPH constituents; the highest TPH concentration measured within the boring being represented (shallow or deep) is contoured. Please note that Figure 7 presents both soil and groundwater data in ppm.

4.1.1 TPH in Soil

The laboratory indicated that the TPH detected in soil closely resembled a mineral spirits signature falling in the TPH-g and TPH-d range. Excluding the two shallow soil samples from B-10@6' and B-11@3', the shallow soil above 7 feet bgs generally contained lower concentrations of TPH as compared to deeper soil below 7 feet bgs.

TPH as mineral spirits in the gasoline range was detected at concentrations ranging from <1.0 to 3,600 mg/kg in discrete soil sampled above 7 feet bgs. Only 4 of 11 soil samples above 7 feet bgs contained concentrations above 100 mg/kg, including B-10@6' (3,600 mg/kg), B-11@3' (2,500 mg/kg), B-7@4' (250 mg/kg), and B-8@5' (230 mg/kg).

Discrete soil sampled below 7 feet bgs contained TPH as mineral spirits in the gasoline range at concentrations ranging from <1.0 to 2,100 mg/kg. Eleven of 15 soil samples below 7 feet bgs contained concentrations above 100 mg/kg, including B-11@16' (2,100 mg/kg), B-11@10' (1,800 mg/kg), B-9@14' (530 mg/kg), B-6@9' (440 mg/kg), B-13@14' (400 mg/kg), B-10@9' (380 mg/kg), B-3@13' (250 mg/kg), B-2@16' (210 mg/kg), B-5@13' (180 mg/kg), B-7 @12' (130 mg/kg), and B-8@17' (130 mg/kg).

TPH as mineral spirits in the diesel range was detected at concentrations ranging from <1.0 to 4,300 mg/kg in discrete soil sampled above 7 feet bgs. Only 5 of 11 soil samples above 7 feet bgs contained concentrations above 100 mg/kg, including B-11@3' (4,300 mg/kg), B-10@6' (3,500 mg/kg), B-2@6' (160 mg/kg), B-8@5' (130 mg/kg), and B-7@4' (120 mg/kg).

Discrete soil sampled below 7 feet bgs contained TPH as mineral spirits in the diesel range at concentrations ranging from <1.0 to 720 mg/kg. Only 4 of 15 soil samples contained concentrations above 100 mg/kg, including B-11@10' (720 mg/kg), B-11@16' (510 mg/kg), B-10@9' (220 mg/kg), and B-13@14' (160 mg/kg).

TPH-mo was not detected in 22 of the 26 discrete soil samples. Concentrations were detected in B-7@4' (5.5 mg/kg), B-11@16' (51 mg/kg), B-14@3' (24 mg/kg), and B-16@3' (28 mg/kg).

Soil data from borings B-10 and B-11 reveal that these locations contain the highest concentrations of TPH contamination, with concentrations exceeding 1,000 mg/kg.

4.1.2 VOCs in Soil

VOCs were detected in less than half of the discrete soil samples analyzed (12 of the 26 discrete soil samples). The highest VOC concentration detected in soil was naphthalene at 14,000 micrograms per kilogram (µg/kg) in B-10@6', which also contained sec-Butyl benzene (550 µg/kg), ethylbenzene (1,000 µg/kg), isopropylbenzene (710 µg/kg), n-Propyl benzene (1,200 µg/kg), and 1,2,4-TMB (1,400 µg/kg).

The sample with the second highest VOC concentrations was B-11@3', which contained naphthalene (4,600 µg/kg), ethylbenzene (3,500 µg/kg), n-Propyl benzene (2,000 µg/kg), 1,2,4-TMB (8,600 µg/kg), 1,3,5-TMB (4,200 µg/kg), and xylenes (8,200 µg/kg). Deeper soil samples from B-11 at 10 and 16 feet contained only one VOC, naphthalene at 1,600 µg/kg and 3,200 µg/kg. The remaining concentrations of VOCs were below 750 µg/kg in the remaining 8 discrete soil samples containing VOC concentrations.

As with the TPH contamination, the highest concentrations of VOCs in soil were detected in Borings B-10 and B-11.

4.1.3 Metals in Soil

Eleven total metal analytes were detected above laboratory method detection limits in the 11 discrete soil samples analyzed from above 7 feet bgs. Soil below 7 feet bgs was not analyzed for metals. The concentration ranges, in addition to the sample identification for the highest detected metal ion, are listed below:

Arsenic	<2.5 to 16 mg/kg	(B-14@3')
Barium	75 to 260 mg/kg	(B-11@3')
Cadmium	<0.5 to 15 mg/kg	(B-11@3')
Chromium	9.1 to 51 mg/kg	(B-2@6')
Cobalt	4.8 to 29 mg/kg	(B-3@3')
Copper	13 to 56 mg/kg	(B-14@3')
Lead	4.2 to 280 mg/kg	(B-12@3')
Mercury	0.071 to 1.4 mg/kg	(B-14@3')

Nickel	6.3 to 74 mg/kg	(B-2@6')
Vanadium	25 to 34 mg/kg	(B-11@3')
Zinc	24 to 3,900 mg/kg	(B-11@3')

4.2 GROUNDWATER

Grab groundwater analytical results for B-12, B-14, B-15, and B-16 are summarized in Tables 9 through 11. Each of the 4 grab groundwater samples contained a petroleum hydrocarbon odor and sheen. The remaining 12 borings were left open for 3 days following the advancement of each boring and groundwater failed to enter the boring during this period. The analytical results are presented below.

4.2.1 TPH in Groundwater

The laboratory indicated that the TPH detected in groundwater closely resembled a mineral spirits signature falling in the TPH-g and TPH-d range. TPH as mineral spirits in the gasoline range was detected at 4,000 micrograms per liter (µg/L) or ppb in B-15, 9,200 µg/L in B-12, 170,000 µg/L in B-14, and 150,000 µg/L in B-16. TPH as mineral spirits in the diesel range were detected at 16,000 µg/L in B-15, 17,000 µg/L in B-12, 220,000 µg/L in B-14, and 1,200,000 µg/L in B-16 (which was the highest concentration of an analyte detected during this investigation). TPH-mo was detected at 260 µg/L in B-12 only.

This data shows that the western (downgradient) portion of the subject property is impacted by TPH.

4.2.2 VOCs in Groundwater

Low concentrations of VOCs were detected in each of the 4 grab groundwater samples collected. The highest VOC concentration was n-Propyl benzene at 210 µg/L in B-12, which contained the most VOC detections including benzene (63 µg/L), n-Butyl benzene (47 µg/L), sec-Butyl benzene (52 µg/L), ethylbenzene (21 µg/L), naphthalene (38 µg/L), toluene (13 µg/L), 1,2,4-TMB (6.5 µg/L), xylenes (26 µg/L), and isopropylbenzene (120 µg/L). B-14 contained naphthalene (30 µg/L), toluene (2.0 µg/L), carbon disulfide (1.5 µg/L), and DIPE (2.4 µg/L). B-15 and B-16 contained only one detection of tert-butyl benzene each at 5.3 µg/L and 6.4 µg/L, respectively.

4.2.3 Metals in Groundwater

Low concentrations of two of the 17 total metal analytes were detected in groundwater as follows: barium at 0.16 to 0.34 mg/L in all 4 samples and molybdenum at 0.07 mg/L in B-12.

4.2.4 Groundwater pH

Groundwater pH ranged from 6.86 to 6.92. Analytical results for pH are presented in Table 11.

4.3 HEALTH RISK ASSESSMENT

Ratech Resources prepared a health risk assessment (HRA) for the subject property (Appendix D). The HRA was performed under a residential scenario, which is appropriate since the proposed future use of the subject property is residential condominiums. Soil at this site will be excavated to a depth of about 10.5 feet bgs. Therefore, soil data below the proposed basement excavation and groundwater data were considered for this HRA. Naphthalene was the only VOC detected in soil below 10.5 feet bgs and the only carcinogenic VOC detected in groundwater was benzene. As indicated in the HRA report, there will be no direct exposure pathways to soil or groundwater at the subject property following redevelopment, since material above 10.5 feet will be removed and a foundation and surface cap will eliminate all direct contact exposure pathways. Therefore, the only potentially complete exposure pathway remaining is likely to be exposure to VOCs in indoor air. TPH is not considered by the USEPA or by Cal/EPA to pose a threat to public health, and was therefore not evaluated in this HRA. Inhalation of VOCs in indoor air as the sole exposure route was evaluated using maximum concentrations in soil and groundwater as a health protective measure. The results indicated that the calculated risk levels of VOCs in indoor air did not exceed *de minimus* levels and therefore did not pose a risk to human health.

5.0 CONCLUSIONS

The subject property is underlain by very low permeability clay. Across most of the subject property, petroleum hydrocarbon odors and staining was generally not present above the water table (above about 7 feet bgs), though petroleum hydrocarbon odor and staining were observed in some locations, such as B-10 and B-11. The vertical and lateral extent of the TPH soil contamination at the subject property has been adequately defined. The vertical distribution of TPH has been defined to low to non-detectable levels in most locations. Excluding soil from B-10 and B-11, the soil above 7-feet bgs contains lower concentrations of TPH. The majority of the contamination was encountered between 7 and 17 feet bgs, which correspond to the elevation of groundwater. TPH concentrations decrease sharply between 14 and 22 feet at the locations sampled and significant impacts do not appear to extend beyond 25 feet.

Excluding B-10 and B-11, there is a lack of significant VOC contamination in soil at the subject property. For example, no benzene was detected in any soil sample. In addition, only one VOC, which was naphthalene, was detected in deeper soil to remain following the planned excavation project. Although elevated concentrations of metals were detected in soil above 7 feet bgs, this material will be excavated during future redevelopment.

Since the proposed redevelopment will result in the mass excavation of about 12,000-cubic yards of soil, which will include all soil above 7 feet bgs, a large portion of contaminated soil, including areas with high soil concentrations of TPH (*i.e.,* B-10 and B-11), will be removed from the subject property. Therefore, any residual potential source areas that may be present will most likely be excavated and removed following redevelopment.

Due to the extensive presence of low permeability clay in the subsurface, very little groundwater was present across the subject property. The subsurface sediments produced groundwater at only 4 of the 16 locations, which were primarily located in the western portion (downgradient) of the subject property. Groundwater at the 4 locations sampled is impacted by TPH, and based on the soil data collected from across the subject property, it is assumed that groundwater underlying the remainder of the subject property is also impacted. Again, groundwater in the areas tested confirms that the subsurface is not significantly impacted by VOCs or metals. The extent of the petroleum hydrocarbon groundwater contamination at the subject property appears to extend offsite to the west and possibly to the south. The full extent of groundwater impacts is unknown. Furthermore, the impacts from offsite releases is unclear; however, the environmental quality of the subsurface materials at the subject property are well understood.

Given the lack of groundwater encountered in 12 of the 16 borings due to the extensive presence of low permeability clay at the subject property, it does not appear that the contamination present in groundwater will migrate significantly. In addition, future dewatering activities will most likely result in the removal of a significant quantity of TPH impacted groundwater in the western portion of the subject property.

Based on the results of the HRA, there does not appear to be a threat to human health at the subject property, since naphthalene was the only VOC detected in soil below 10.5 feet and the concentration detected coupled with the proposed development scenario was not determined to pose a health risk, especially since naphthalene is not a carcinogen. Furthermore, the only carcinogen detected in groundwater was benzene, and was determined not to be at a concentration that would pose a risk to human health.

Following excavation and dewatering of the subject property for the construction of the proposed project, it appears that no further remedial action is necessary by the subject property owner. Furthermore, the residual contamination that may remain has been shown not to present a risk to human health and this site should be acceptable for risk-based closure.

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Clayton Project No. 70-03365.01

TABLES

TABLE 1

Summary of Discrete Soil Sample Analytical Results - TPH
Former Dunne Paints
Oakland/Emeryville, California

SAMPLE ID	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)
B-1@11'	<1.0	<1.0	<1.0
B-2@6'	94[e]	160[n]	<1.0
B-2@16'	210[e,m]	13[n]	<1.0
B-3@3'	<1.0	<1.0	<1.0
B-3@13'	250[e,m]	37[n]	<1.0
B-4@10'	74[e]	52[n]	<1.0
B-5@3'	<1.0	<1.0	<1.0
B-5@13'	180[e,m]	21[n]	<1.0
B-6@9'	440[e]	38[n]	<1.0
B-7@4'	250[e]	120[n]	5.5
B-7@12'	130[e]	76[n]	<1.0
B-7@23'	18[e]	7.0[n]	<1.0
B-8@5'	230[e,m]	130[n]	<1.0
B-8@17'	130[e,m]	40[n]	<1.0
B-9@6'	6.2[e]	4.8[n]	<1.0
B-9@14'	530[e,m]	100[n]	<1.0
B-10@6'	3,600[e]	3,500[n]	<25
B-10@9'	380[e]	220[n]	<1.0
B-10@25'	<1.0	1.1[b]	<1.0
B-11@3'	2,500[e]	4,300[n]	<500
B-11@10'	1,800[e]	720[n]	<100
B-11@16'	2,100[e]	510[n]	51
B-12@3'	<1.0	1.6[b]	<1.0
B-13@14'	400[e]	160[n]	<1.0
B-14@3'	<1.0	9.4[g]	24
B-16@3'	7.4[e]	6.0[d,g]	28

Notes:
<# = analyte not detected at or above the indicated laboratory method reporting limit
mg/kg = milligrams per kilogram
Sampling date: November 4 and 5, 2002
TPH-g, -d, -mo = Total petroleum hydrocarbons quantified as gasoline, diesel, motor oil, respectively
b = diesel range compounds are significant; no recognizable pattern
e = TPH pattern that does not appear to be derived from gasoline (stoddard solvent/mineral spirit?)
g = oil range compounds are significant
m = no recognizable pattern
n = stoddard solvent/mineral spirit

TABLE 2

Summary of Discrete Soil Sample Analytical Results - VOCs
Former Dunne Paints
Oakland/Emeryville, California

SAMPLE ID	Naphthalene (µg/kg)	n-Butly benzene (µg/kg)	sec-Butyl benzene (µg/kg)	tert-Butyl benzene (µg/kg)	Ethylbenzene (µg/kg)	Isopropylbenzene (µg/kg)	n-Propyl benzene (µg/kg)	Hexachlorobutadiene (µg/kg)	1,2,4-Trimethylbenzene (µg/kg)	1,3,5-Trimethylbenzene (µg/kg)	Xylenes (µg/kg)
B-1@11'	<5 0	<5 0	<5.0	<5 0	<5.0	<5.0	<5.0	<5 0	<5.0	<5 0	<5.0
B-2@6'	25	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
B-2@16'	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
B-3@3'	<5 0	<5 0	<5 0	<5.0	<5 0	<5.0	<5 0	<5 0	<5 0	<5 0	<5 0
B-3@13'	480	<100	110	<100	<100	<100	<100	<100	740	<100	<100
B-4@10'	<50	50	<50	<50	<50	<50	<50	92	<50	<50	<50
B-5@3'	<5.0	<5 0	<5 0	<5.0	<5 0	<5.0	<5.0	<5 0	<5 0	<5 0	<5.0
B-5@13'	410	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
B-6@9'	81	<5.0	<5 0	6.3	<5.0	<5 0	<5.0	<5.0	<5 0	<5.0	<5 0
B-7@4'	<5 0	<5.0	17.0	<5 0	<5 0	<5 0	9.1	<5 0	7.4	<5.0	<5.0
B-7@12'	60	<5.0	<5 0	<5 0	<5.0	<5.0	<5 0	<5 0	<5.0	<5 0	<5.0
B-7@23'	<5 0	<5 0	<5.0	<5 0	<5.0	<5 0	<5.0	<5.0	<5.0	<5.0	<5.0
B-8@5'	<5.0	<5 0	<5 0	27.0	<5.0	<5 0	<5.0	<5.0	<5.0	<5 0	<5.0
B-8@17'	<5 0	<5 0	<5.0	<5.0	<5 0	<5.0	<5 0	<5 0	<5 0	<5 0	<5 0
B-9@6'	<5 0	<5.0	<5 0	<5 0	<5.0	<5.0	<5.0	<5 0	<5 0	<5.0	<5.0
B-9@14'	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
B-10@6'	14,000	<400	550	<400	1,000	710	1,200	<400	1,400	<400	<400
B-10@9'	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
B-10@25'	<5 0	<5 0	<5 0	<5.0	<5.0	<5.0	<5 0	<5.0	<5 0	<5.0	<5.0
B-11@3'	4,600	<2000	<2000	<2000	3,500	<2000	2,000	<2000	8,600	4,200	8,200
B-11@10'	1600	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
B-11@16'	3200	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000
B-12@3'	<5 0	<5.0	<5 0	<5 0	<5 0	<5.0	<5 0	<5 0	<5 0	<5 0	<5 0
B-13@14'	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000
B-14@3'	<5.0	<5 0	<5 0	<5 0	<5.0	<5 0	<5 0	<5 0	<5.0	<5.0	<5 0
B-16@3'	12	<5 0	<5 0	<5 0	<5 0	<5.0	<5 0	<5 0	<5 0	<5 0	<5 0

Notes:
No other VOCs detected in addition to the above-listed analytes
<# = analyte not detected at or above the laboratory method reporting limit
µg/kg = micrograms per kilogram
Sampling date: November 4 and 5, 2002
VOCs = Volatile Organic Compounds

TABLE 3

Summary of Discrete Soil Sample Analytical Results - Total Metals
Former Dunne Paints
Oakland/Emeryville, California

SAMPLE ID	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	Mercury (mg/kg)
B-2@6'	<2 5	5.9	110	<0.5	<0.5	51	10	16	7.3	<2.0	74	<2 5	<1.0	<2.5	30	47	<0.06
B-3@3'	<2.5	2.9	130	<0.5	<0 5	35	29	21	15	<2.0	48	<2.5	<1.0	<2.5	32	67	0.071
B-5@3'	<2.5	6.1	160	<0.5	0.58	34	13	22	24	<2 0	50	<2.5	<1.0	<2 5	32	64	0.079
B-7@4'	<2.5	2.6	98	<0.5	0.51	29	9.6	21	24	<2 0	39	<2.5	<1.0	<2.5	26	59	0.14
B-8@5'	<2.5	<2.5	140	<0.5	<0.5	20	4.8	13	3	<2.0	21	<2.5	<1.0	<2.5	20	24	<0.06
B-9@6'	<2.5	5.5	120	<0.5	<0.5	31	6.7	16	6.7	<2.0	41	<2.5	<1.0	<2.5	30	49	<0.06
B-10@6'	<2 5	3.8	110	<0.5	<0.5	31	8.5	18	6.1	<2.0	42	<2.5	<1.0	<2.5	28	55	<0 06
B-11@3'	<2.5	5.5	260	<0 5	15.0	31	15	27	100	<2.0	43	<2.5	<1.0	<2 5	34	3900	0.17
B-12@3'	<2.5	4.2	130	<0.5	<0.5	29	9.2	17	280	<2.0	41	<2.5	<1.0	<2.5	27	160	0.28
B-14@3'	<2 5	16	75	<0.5	3.3	9.2	7.9	56	130	<2.0	6.3	<2.5	<1.0	<2.5	25	300	1.4
B-16@3'	<2 5	4.5	120	<0.5	<0.5	30	10	18	5	<2 0	44	<2.5	<1.0	<2.5	25	50	<0.06

Notes:
<# = analyte not detected at or above the indicated laboratory method reporting limit
mg/kg = milligrams per kilogram
Sampling date: November 4 and 5, 2002

TABLE 4

Summary of Groundwater Sample Analytical Results - TPH and Total Metals
Former Dunne Paints
Oakland/Emeryville, California

SAMPLE ID	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	METALS	
				Barium (mg/L)	Molybdenum (mg/L)
B-12	**9,200**[a,e,h,I]	**17,000**[n,h,I]	**260**	**0.16**	**0.07**
B-14	**170,000**[e,h]	**220,000**[n,h]	<25,000	**0.17**	<0.05
B-15	**4,000**[e,h,I]	**16,000**[n,h,I]	<250	**0.17**	<0.05
B-16	**150,000**[g,m,h,I]	**1,200,000**[n,I]	<25,000	**0.34**	<0.05

Notes:
<# = analyte not detected at or above the laboratory method reporting limit
mg/L = milligrams per Liter
µg/L = micrograms per Liter
Sampling date: November 4 and 5, 2002
TPH = total petroleum hydrocarbons quantified as gasoline (TPH-g), diesel (TPH-d), and motor oil (TPH-mo)
Metals = CAM 17 total metals
a = unmodified or weakly modified gasoline is significant
e = TPH pattern that does not appear to be derived from gasoline
g = strongly aged gasoline or diesel range compounds are significant
m = no recognizable pattern
n = stoddard solvent/mineral spirit
h = lighter than water immiscible sheen/product is present
I = liquid sample that contains greater than 2 vol.% sediment

TABLE 5

Summary of Groundwater Sample Analytical Results - VOCs
Former Dunne Paints
Oakland/Emeryville, California

SAMPLE ID	Benzene (µg/L)	n-Butyl benzene (µg/L)	sec-Butyl benzene (µg/L)	tert-Butyl benzene (µg/L)	Ethylbenzene (µg/L)	Naphthalene (µg/L)	Toluene (µg/L)	1,2,4-Trimethylbenzene (µg/L)
B-12	**63**	**47**	**52**	<5.0	**21**	**38**	**13**	**6.5**
B-14	<1.0	<1.0	<1.0	<1.0	<1.0	**30**	**2.0**	<1.0
B-15	<5.0	<5.0	<5.0	**5.3**	<5.0	<5.0	<5.0	<5.0
B-16	<2.5	<2.5	<2.5	**6.4**	<2.5	<2.5	<2.5	<2.5

SAMPLE ID	Xylenes (µg/L)	Isopropylbenzene (µg/L)	n-Propyl benzene (µg/L)	Carbon Disulfide (µg/L)	DIPE (µg/L)
B-12	**26**	**120**	**210**	<5.0	<5.0
B-14	<1.0	<1.0	<1.0	**1.5**	**2.4**
B-15	<5.0	<5.0	<5.0	<5.0	<5.0
B-16	<2.5	<2.5	<2.5	<2.5	<2.5

Notes:
<# = analyte not detected at or above the laboratory method reporting limit
µg/L = micrograms per Liter
Sampling date: November 4 and 5, 2002
VOCs = Volatile organic compounds

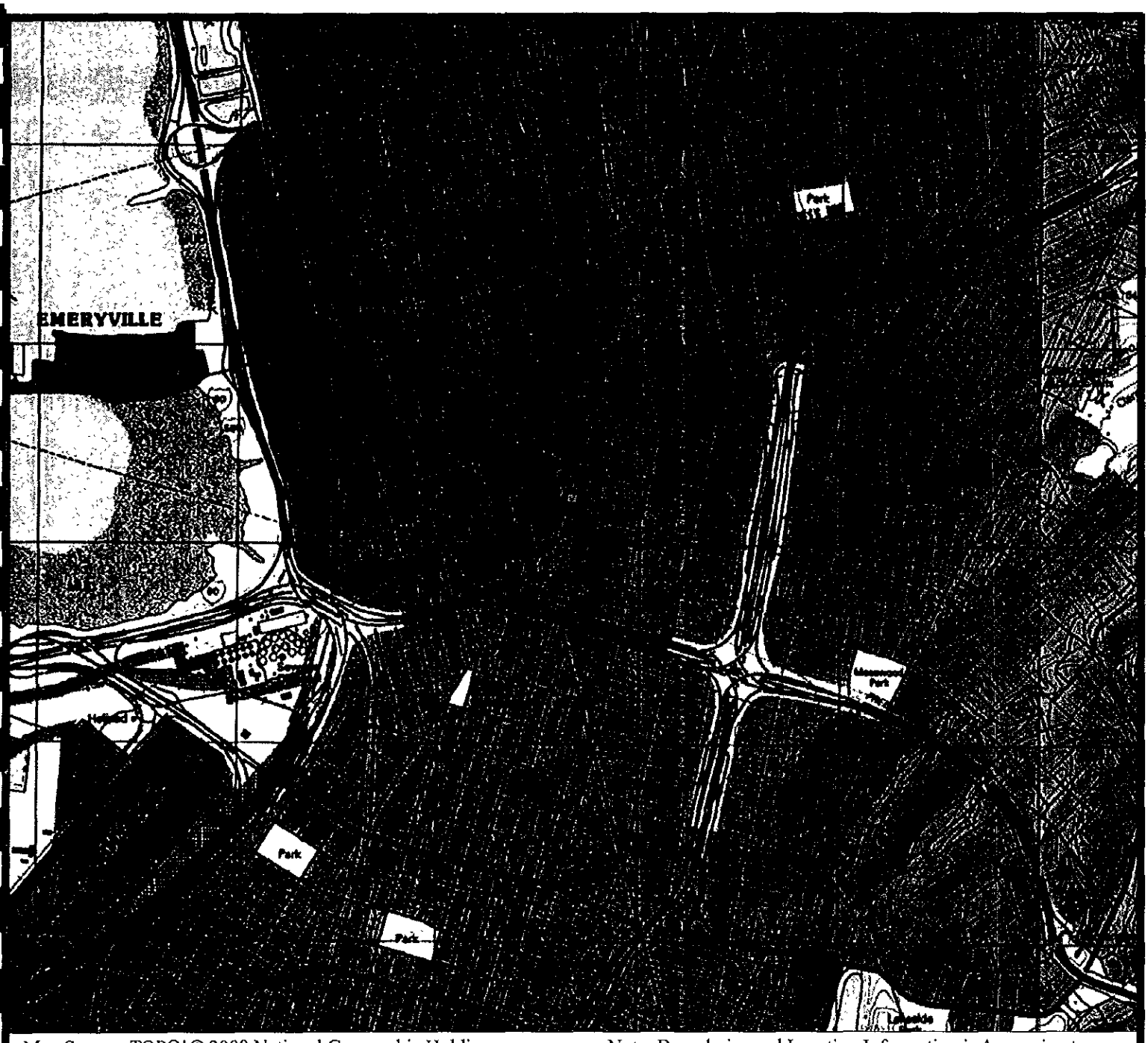
TABLE 6

Summary of Groundwater Sample Analytical Results - pH
Former Dunne Paints
Oakland/Emeryville, California

SAMPLE ID	pH
B-12	6.86 @ 19.1°C
B-14	6.91 @ 19.2°C
B-15	6.92 @ 18.6°C
B-16	6.72 @ 18.0°C

Notes:
Sampling date: November 4 and 5, 2002

FIGURES



Map Source: TOPO! © 2000 National Geographic Holdings

Note: Boundaries and Location Information is Approximate

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

Portion of the 7.5-Minute Series Oakland West, California
Quadrangle Topographic Map (Datum: NAD 27)
United States Department of the Interior
Geological Survey
1997

N

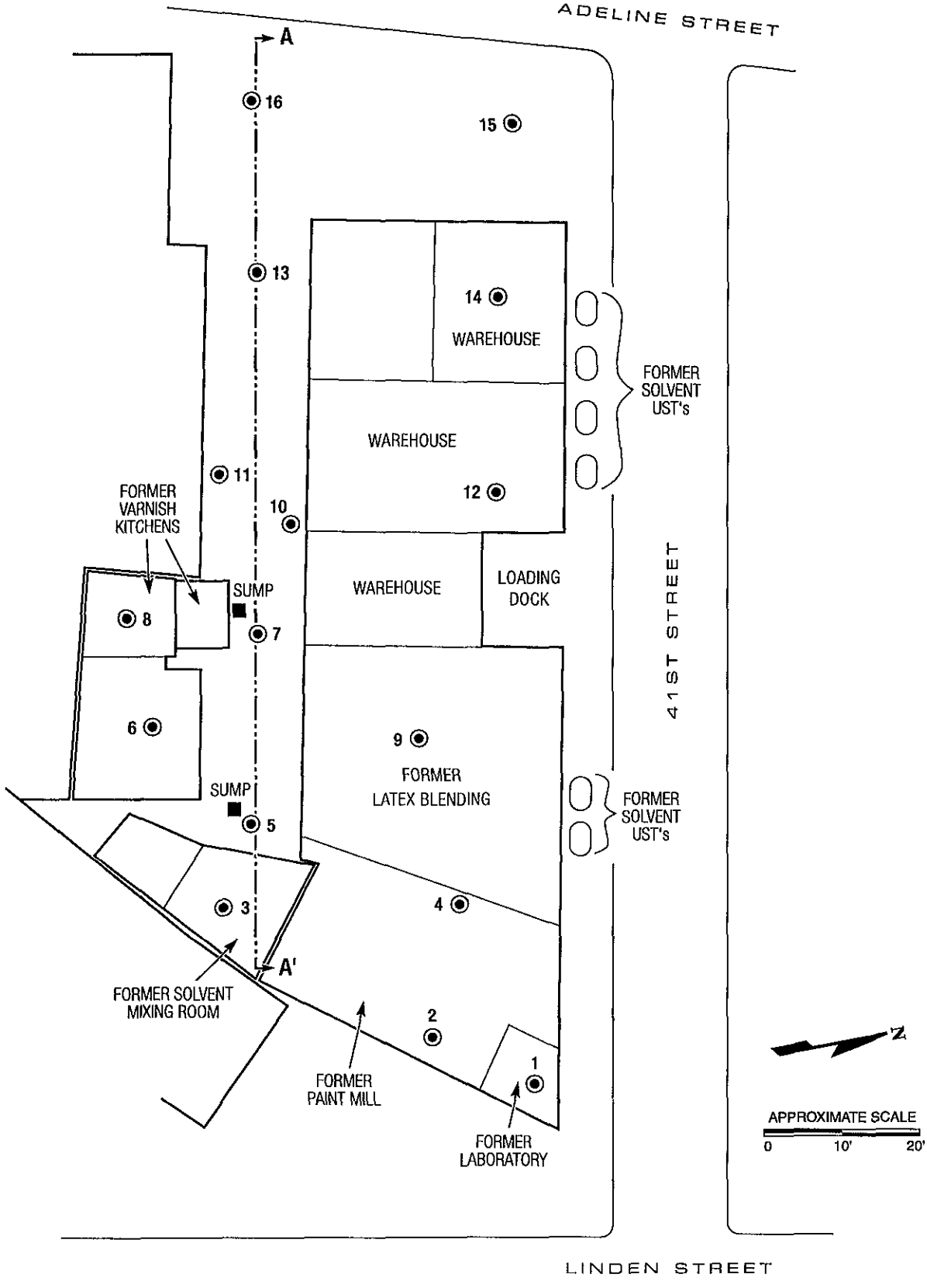
CALIF

QUADRANGLE LOCATION

PROPERTY LOCATION MAP
1007 41st Street
Emeryville/Oakland, California and
4050 Adeline Street
Emeryville, California
Clayton Project No. 70-03365.00

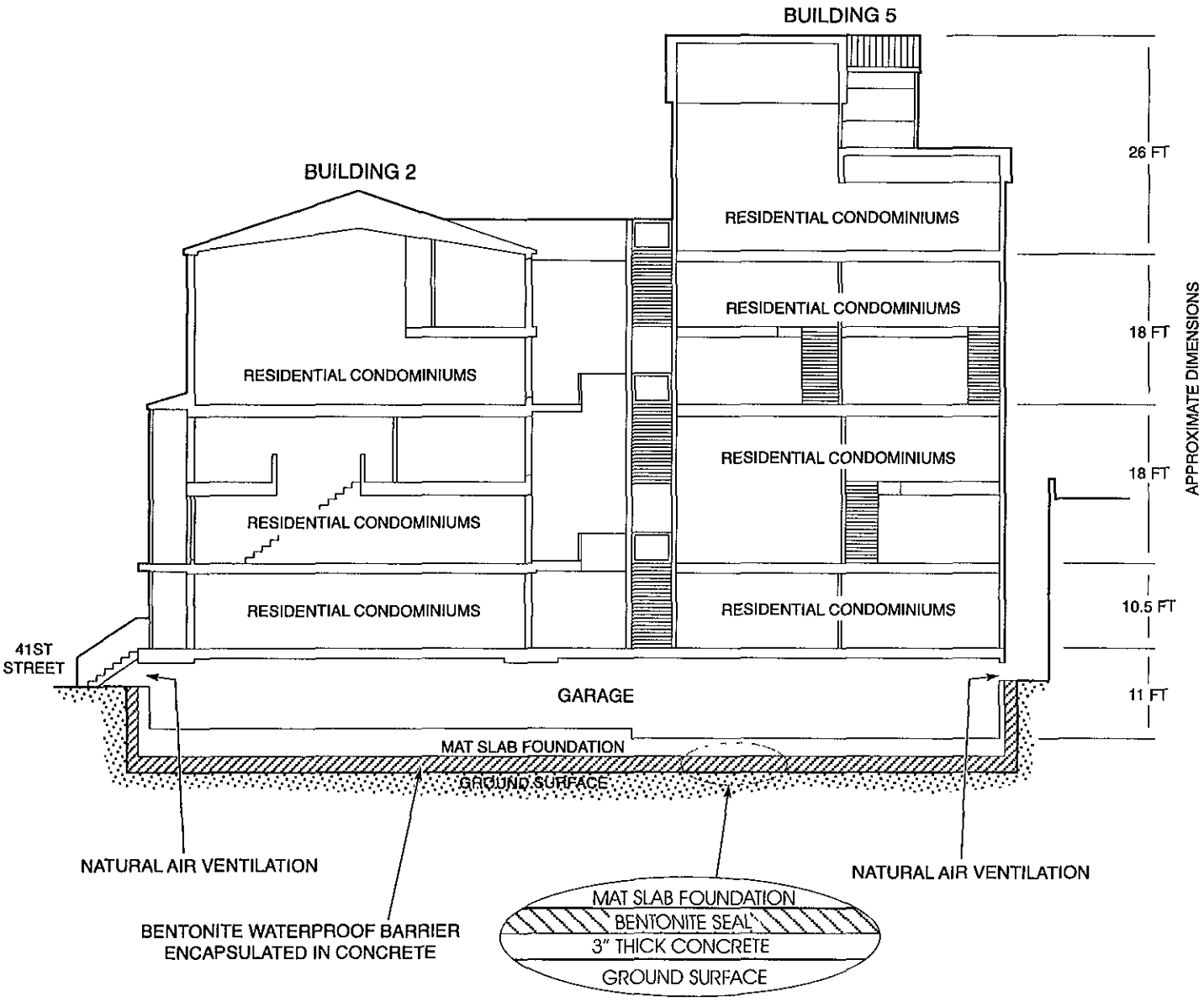
Figure
1

Clayton GROUP SERVICES



LEGEND	SITE PLAN WITH BORING LOCATIONS AND SHOWING SECTION A-A' Former Dunne Paints 1007 41st Street, Oakland and 4050 Adeline Street, Emeryville, California Clayton Project No.: 70-03365.01	Figure 2 12/11/02	Clayton GROUP SERVICES
◉ Boring Location			

70-03365.01/TechGraphic



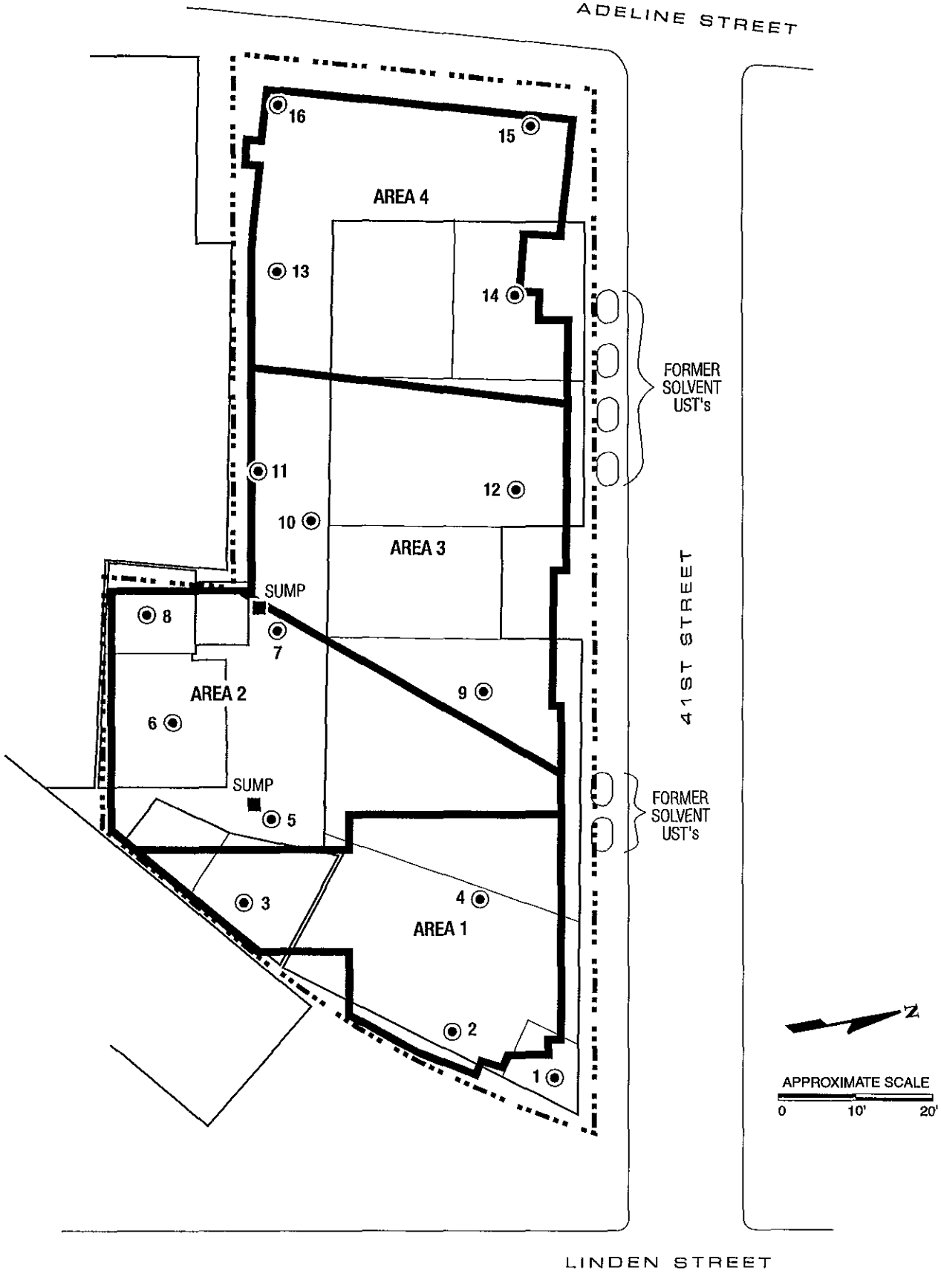
PROPOSED BUILDING ELEVATION
1007 41ST Street and
4050 Adeline Street
Oakland/Emeryville, California
Clayton Project No.: 70-03365.01

Figure 3

12/11/02

Clayton GROUP SERVICES

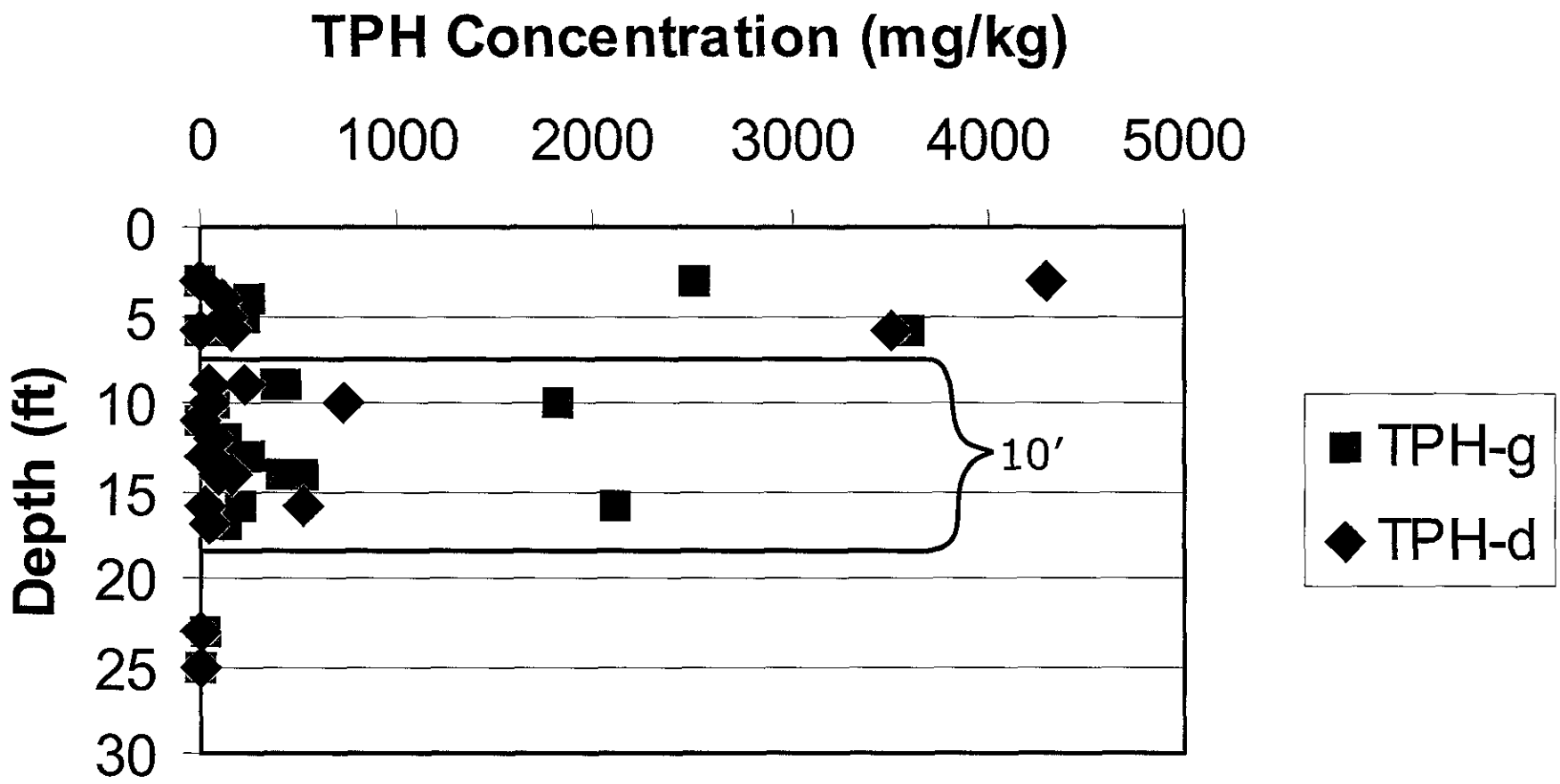
70-03365.01/TechGraphic



LEGEND	SITE PLAN SHOWING THE EXCAVATION AREA Former Dunne Paints 1007 41st Street, Oakland and 4050 Adeline Street, Emeryville, California Clayton Project No.: 70-03365.01	Figure 4 12/11/02	Clayton GROUP SERVICES
Property Boundary Excavation Boundary			

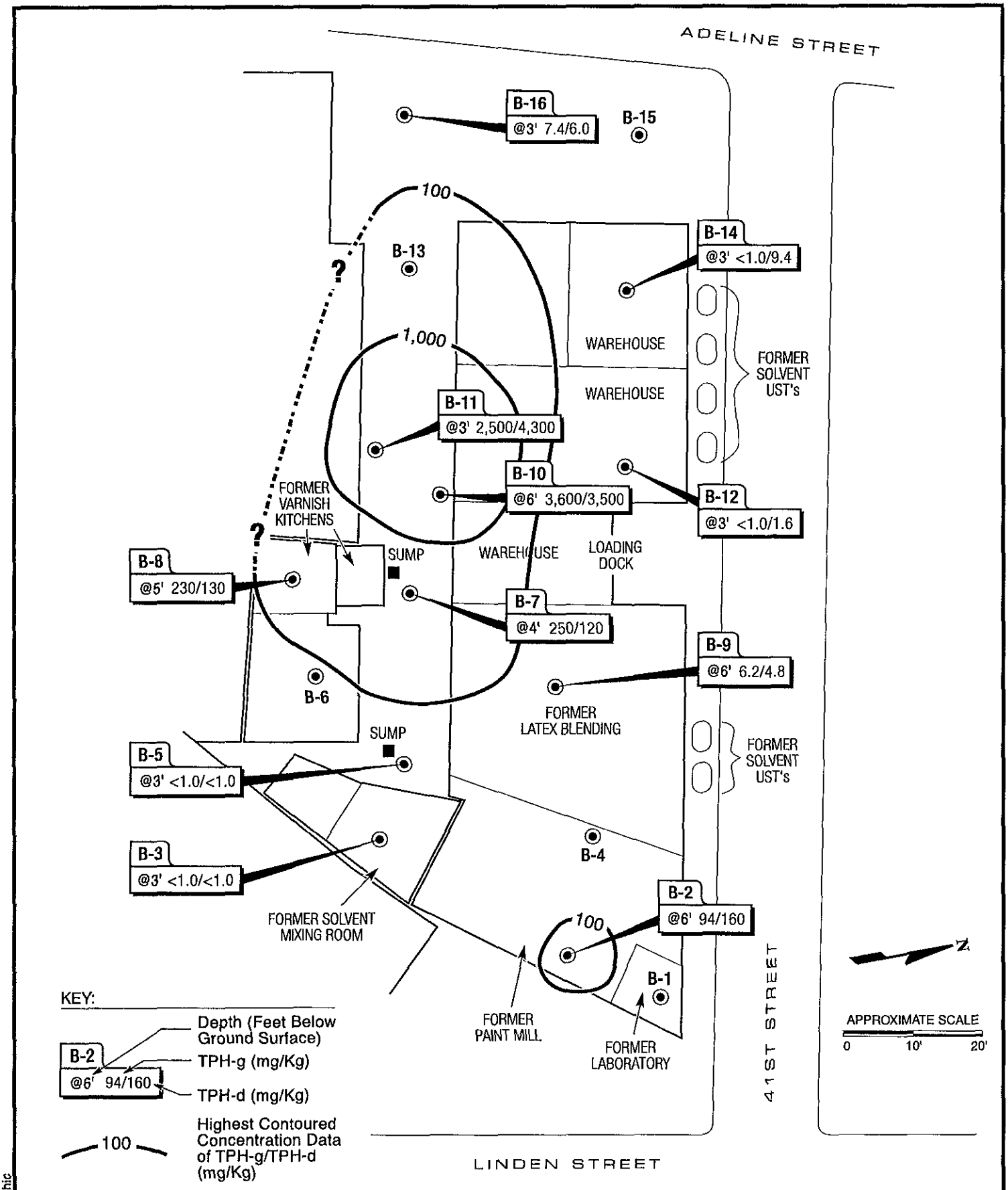
70-03365.01/TechGraphic

TPH vs Depth



TPH vs DEPTH PLOT	FIGURE
Former Dunne Paints 1007 41st Street, Oakland and 4050 Adeline Street Emeryville, California Clayton Project No. 70-03365.01	5

Clayton GROUP SERVICES



LEGEND

◉ Boring Location

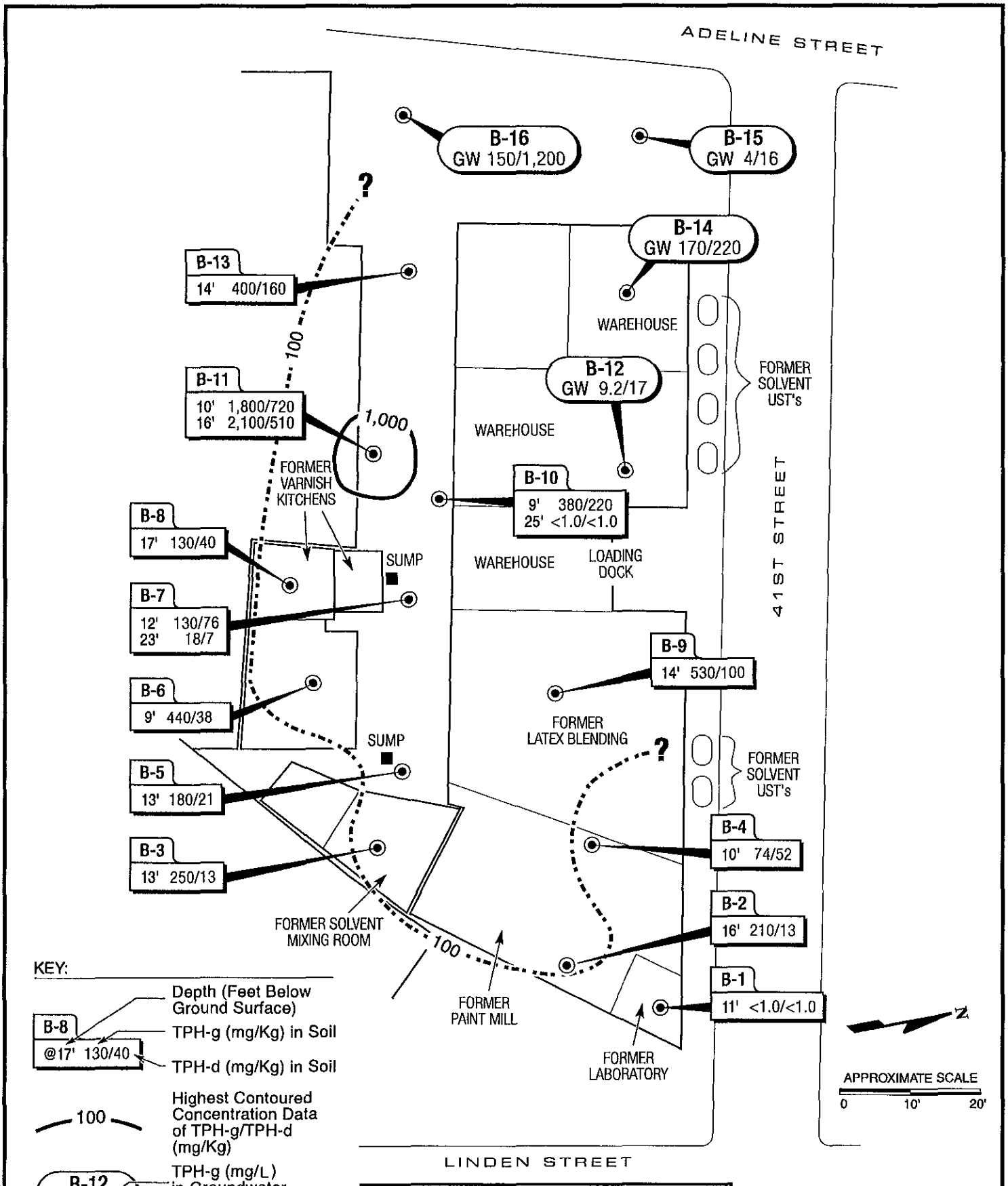
TPH-g and TPH-d CONCENTRATIONS
ABOVE 7-FT BGS IN SOIL
Former Dunne Paints
1007 41st Street, Oakland and
4050 Adeline Street, Emeryville, California
Clayton Project No.: 70-03365.01

Figure 6

12/11/02

Clayton GROUP SERVICES

70-03365.01/TechGraphic



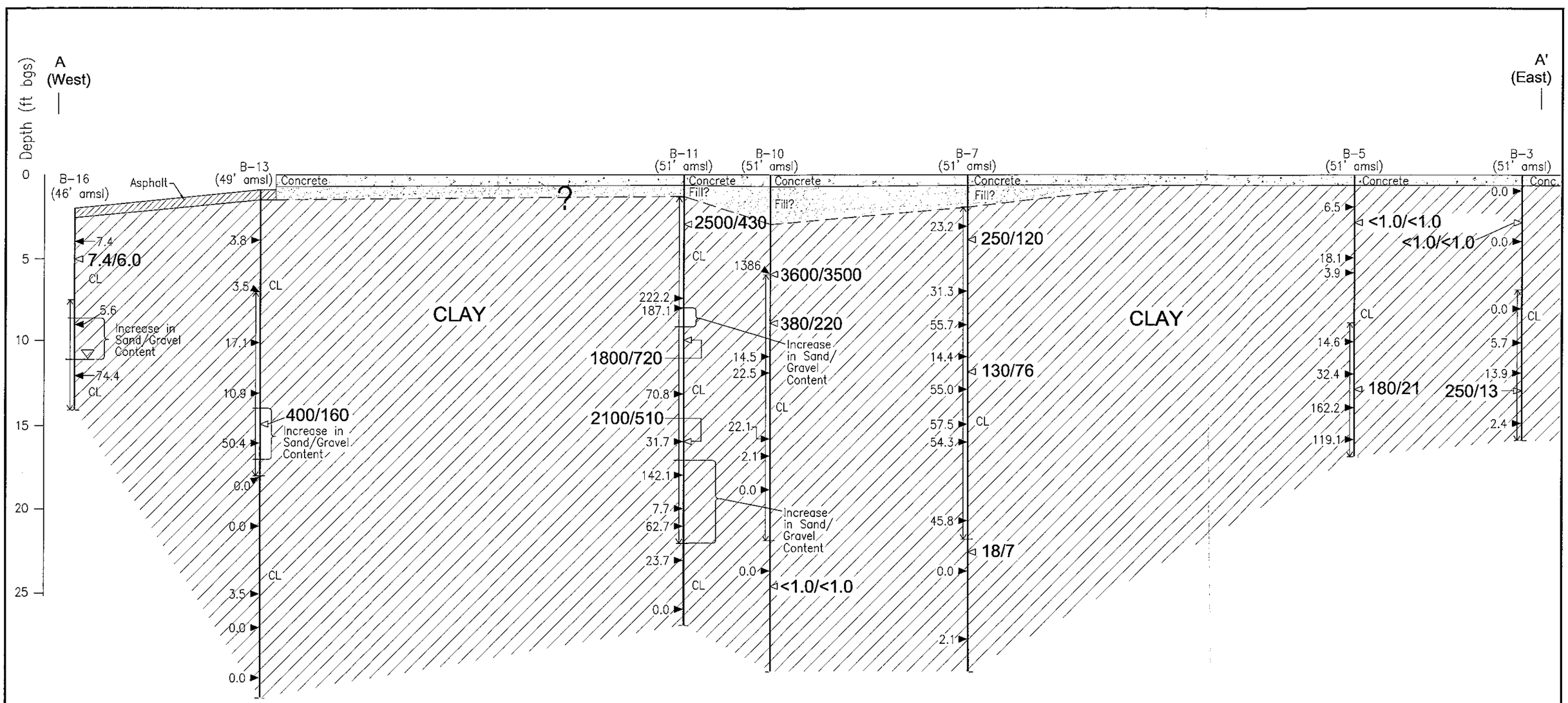
TPH-g and TPH-d CONCENTRATIONS IN SOIL BELOW 7-FT BGS AND GROUNDWATER
Former Dunne Paints
1007 41st Street, Oakland and
4050 Adeline Street, Emeryville, California
Clayton Project No.: 70-03365.01

Figure 7

12/11/02

Clayton GROUP SERVICES

70-03365.01/TechGraphic



KEY:

B-16 — Boring ID
Elevation — (51' amsl)
Boring
Depth to Groundwater at Time of Drilling
7.4 — OVA Reading
7.4/6.0 — TPHg / TPHd Concentration (mg/kg)
Soil Sample Location
Petroleum Hydrocarbon Odor/Staining Observed in Soil Samples

VERTICAL: 5 to 0
HORIZONTAL: 0 to 10
APPROX. SCALE: feet

amsl	Above Mean Sea Level
TPHg	Total Petroleum Hydrocarbons in the Gasoline Range
TPHd	Total Petroleum Hydrocarbons in the Diesel Range
CL	Clay

CROSS-SECTION A-A'

FORMER DUNNE PAINTS
1007 41st STREET, OAKLAND AND
4050 ADELINE STREET, EMERYVILLE

Clayton Project No. 70-03365.01

Figure 8

12/12/02
SECTION1202.DWG

Clayton GROUP SERVICES

APPENDIX A

RESUMES OF ENVIRONMENTAL PROFESSIONALS

Clayton GROUP SERVICES

JESSE D. EDMANDS

Supervisor, Environmental Assessments, Environmental Services

Summary of Professional Experience

Jesse D. Edmands has conducted numerous Phase I and Phase II Environmental Site Assessments (ESAs) throughout the Bay Area for various financial, industrial and commercial clients. The sites have included industrial and agricultural facilities, residential properties, commercial and retail buildings, and undeveloped land. Mr. Edmands has conducted Phase I ESAs in accordance with ASTM Designation E 1597–00 and client-designated protocols. He has also conducted asbestos and lead-based paint surveys, soil and groundwater sampling, well installation and sampling, historical research and interviews with owners, occupants and local government, and has generated written reports. Through subsurface investigations including geophysical surveys, active and passive soil gas techniques, and Geoprobe soil and groundwater sampling, Mr. Edmands has identified the presence of many recognized environmental conditions, such as underground storage tanks (USTs), volatile organic compounds (VOCs), petroleum hydrocarbons, methyl tertiary butyl ether (MTBE), metals, and pesticides/arsenic in soil and groundwater. Mr. Edmands has managed a variety of projects for a large telecommunications client, including Phase I and Phase II ESAs, National Environmental Policy Act (NEPA) screens, geophysical surveys, biological assessment, and archeological and architectural site evaluations.

Project Experience

Phase I and Phase II ESAs

Nuclear Fuel Industry

Mr. Edmands completed a Phase I ESA of a large nuclear fuel and product testing facility in operation since the 1950s. Following document reviews, site inspections, and onsite personnel interviews, Mr. Edmands developed a passive soil gas survey plan across the site that included the installation of approximately 200 soil gas modules within buildings and in exterior portions of the property. He also developed a sampling workplan that included the testing of soil and groundwater in potential hot spots for industrial solvents, metals, and radionucleotides. Mr. Edmands discovered elevated concentrations of these contaminants throughout the site and developed a comprehensive report that was submitted to the local regulatory oversight agency for review and guidance.

Phase I and Phase II ESAs

Electrical Power Generation Industry

Through initial subsurface soil and groundwater sampling, Mr. Edmands identified the presence of several industrially related VOCs, including tetrachloroethylene (PCE), trichloroethylene (TCE), and 1,1 dichloroethene (DCE) at an electrical generation site. To assess the vertical and horizontal extent of contamination, he supervised cone penetrometer testing (CPT) involving the collection of lithological data and water samples at discrete depths in specific aquifer zones. Mr. Edmands also conducted a

54-point active soil gas survey, and, with the installation and sampling of four permanent monitoring wells, completed a comprehensive site characterization for the client.

Phase I and Phase II ESAs and NEPA Screening
Telecommunications Industry
Mr. Edmands has conducted and managed numerous environmental assessments on proposed telecommunication sites throughout California and Nevada. These have included Phase I and Phase II ESAs, and NEPA screens necessary for compliance with Federal Communications Commission (FCC) permitting requirements. His NEPA-related work has included researching potential wilderness areas, wildlife areas, wetlands, endangered and threatened species, historic places and cultural resources, Indian religious sites, and flood plains. Mr. Edmands has also helped facilitate additional work stemming from the NEPA screen process, including cultural resource surveys (e.g., archeological and architectural evaluations) and biological assessments. Mr. Edmands has experience reviewing reports and preparing them for production, preparing proposals, and interacting with clients.

Phase I and Phase II ESAs
Sheetmetal Fabrication Facility
A Phase I ESA at a sheet-metal fabrication facility identified former plating and painting operations that utilized solvent tanks, sumps, and clarifiers. The local oversight authority granted closure, but further site assessment was conducted through a Phase II ESA during which Mr. Edmands detected the presence of several VOCs in groundwater at elevated concentrations. To delineate the extent of contamination of detected PCE and TCE, Mr. Edmands supervised additional borings throughout the building and then installed a series of passive soil gas modules based on identified hot spots.

Phase I and Phase II ESAs
Food Processing Industry
Mr. Edmands conducted a Phase I ESA at a former potato chip and nut processing facility that had been in operation since the late 1940s. After reviewing available documentation and completing a site inspection, he identified several suspect areas of potential chemical use and collected groundwater samples. Mr. Edmands discovered elevated concentrations of several industrial VOCs in the groundwater beneath the site, which assisted his client in making the appropriate decisions during a property transaction.

Employment History

Clayton Group Services, Inc. – Pleasanton, California
Supervisor, Environmental Assessments
2002 to Present

Clayton Group Services, Inc. – Pleasanton, California
Environmental Consultant
2001 to 2002

Clayton Group Services, Inc. – Pleasanton, California
Staff Environmental Consultant
1999 to 2001

Education

B.A., Environmental Science with Distinction, Minor in Geology, 1999
Boston University, Boston, Massachusetts

Professional Registrations and Certifications

EPA/AHERA California Accredited Asbestos Building Inspector, No. 9682 I, 1999
OSHA 40-Hour Hazardous Waste Operations and Emergency Response Training, 1999
California DHS Certified Lead Inspector/Assessor (Certificate ID# 10064), 2001

Publications and Presentations

Edmands, Jesse D., Daniel J. Brabander and Drew S. Coleman. 2001. Uptake and Mobility of Uranium in Black Oaks: Implications for Biomonitoring Depleted Uranium-Contaminated Groundwater. *Chemosphere. 44: 789-795.*

Edmands, Jesse. 1999. Uptake and Mobility of Uranium in Black Oaks: Implications for Biomonitoring Depleted Uranium Contaminated Groundwater. Paper presented to the Geological Society of America, October, Denver, Colorado. Publication with Abstracts.

Professional Affiliation

American Geophysical Union (AGU)
National Association of Environmental Professionals (NAEP)

Clayton GROUP SERVICES

JON A. ROSSO, P.E.
Director, Environmental Services

Summary of Professional Experience

Jon A. Rosso has more than 17 years of experience in the environmental consulting field. He has served in senior technical, project management, litigation support, and construction management capacities on a variety of multidisciplinary projects in the areas of waste management, groundwater hydrology, risk assessment, bedrock investigations, and civil engineering. He has managed various large-scale projects valued at up to $40 million.

Mr. Rosso has planned and executed hundreds of investigations related to soil and groundwater contamination issues and has worked extensively with regulatory agencies throughout the United States. Mr. Rosso's strong understanding of state and federal environmental regulations and practical solutions provides particular expertise in client/agency negotiations leading to favorable client results. Contaminants of concern on these projects have included volatile organic compounds (VOCs) as dissolved and as dense nonaqueous-phase liquids (DNAPLs); heavy metals; dioxins, pesticides; petroleum hydrocarbons; polychlorinated biphenyls (PCBs); asbestos; and polynuclear aromatic hydrocarbons (PAHs).

Mr. Rosso has significant experience with numerous cleanup technologies and understands the feasibility, practicality, and effectiveness of the common options. Remedial systems with which he has extensive experience include large-scale removal, groundwater extraction, encapsulation, groundwater treatment, vapor treatment, dual phase extraction, soil vapor extraction, air sparge systems, biodegradation, oxidation, chemical fixation, barrier systems, hydraulic control, and waste stabilization. Mr. Rosso is currently responsible for overseeing the environmental risk management and remediation practice for Clayton in the Northern California Region, where he is responsible for the quality and budgets of complex environmental scenarios from inception to completion.

Project Experience

Trichloroethane (TCA) Investigation and Remediation

Manufacturing Industry

Mr. Rosso was the project manager, construction manager, and engineer of record for the investigation and remediation of a historical release of more than 1 million pounds of TCA into overburden and bedrock groundwater at a major manufacturing facility in Rhode Island. The groundwater contamination threatened one of the primary drinking water aquifers for Rhode Island. The vertical and lateral extent of the plume was defined using a network of surface water monitoring points and various well types including microwells, overburden monitoring wells, bedrock wells, multiple stage completion wells, and private domestic wells. Sampling data indicated that the dissolved plume

encompassed an area of about 200 acres and extended more than a mile from the site. The TCA product, a DNAPL, was found over a quarter mile away from the original source at a depth of 400 feet below the ground surface.

The remediation plan included installing a half-mile-long interceptor subdrain system to hydraulically control and extract the overburden and bedrock groundwater for treatment. The majority of the interceptor subdrain was to be constructed on property that had originally been a land grant from the King of England and is a registered historic property. Archeological investigations on this property, as part of the remediation permitting and planning, uncovered a prehistoric feature approximately 4,000 to 7,000 years old, requiring complete removal and preservation. The archeological investigation, permitting, and removal was performed efficiently and did not impact the project schedule. The remedial design and permit process involved approvals from six divisions of the Rhode Island Department of Environmental Management (RIDEM); United States Army Corps of Engineers (USACE), United States Environmental Protection Agency (USEPA), the U.S. Department of Interior, and various historic preservation commissions.

Mr. Rosso assisted legal counsel with property access, easements, and well closure agreements. To allow construction and operation of the interceptor subdrain to proceed, a revised and amended consent agreement with RIDEM was successfully negotiated. This agreement consolidated key permitting authority among the various divisions and created a freshwater wetland delineation and mitigation plan. As the project manager, construction manager, and engineer of record, Mr. Rosso was responsible for hiring and managing the consultants and contractors, developing the plans and specifications, evaluating bids, awarding the contracts, and approving all payments. Project activities ultimately led to site containment using a system that was essentially passive, with very reasonable annual operating costs.

Superfund Site Remediation

Superfund Site – Former Petroleum Recycling Facility

Mr. Rosso served as program manager for implementation of removal activities at a former petroleum recycling facility in Patterson, California. The abandoned waste oil recycling facility contained about 5.5 million gallons of hazardous waste and hazardous waste water, tank-bottoms sludge, and waste oil. In addition, the site contained 1,200 drums of used oil filters and miscellaneous chemicals. Wastewater and sludge were found to be RCRA hazardous waste and to contain dioxin compounds. The project was initiated under an order issued by the USEPA, and work is funded through a Steering Committee representing 21 potentially responsible parties (PRPs) who are cooperating to fund the remediation. The project is two-thirds completed, and the final stage of sludge removal began in November 1999. Working for the PRPs, Mr. Rosso managed the investigation of waste materials, regulatory interaction, community relations, cost recovery, treatability analysis, value engineering, waste disposal, and site decontamination. USEPA Region IX officials have publicly praised the cleanup project, calling it a "model effort for Superfund removal projects."

Litigation Support
Steel Industry
Mr. Rosso provided litigation support to defend this steel company from a claim that the historic operations of the steel plant contaminated an adjacent property that recycled steel barrels. At issue was a claim that heavy residual petroleum fuel known as Bunker fuel spilled on the client's property and migrated cross-gradient to the adjacent property. Working with an expert witness in chemistry, Mr. Rosso evaluated previous investigations by others, historical aerial photographs and records, regulatory files, depositions, cost estimates, and various remedial investigations and feasibility studies.

Based on the analysis of the available data and computer modeling techniques, Mr. Rosso and Dr. James Bruya (a chemical expert) developed a theory that numerous chemical products were spilled as part of the barrel recycling process and were subsequently affected by caustic cleaning solutions. The theory speculated that modified chemical compounds observed in soil and groundwater samples were then incorrectly interpreted to be residual petroleum fuel hydrocarbons by analytical laboratories that used qualitative analytical techniques. To defend the client, a comprehensive subsurface investigation and laboratory testing program was implemented on both properties to explore the plaintiff's theory of migration and Clayton's theory as source of the contamination. The investigation and specialized laboratory-testing program demonstrated that the source of contamination was the barrel cleaning facility.

Tetrachloroethene (PCE) Investigation and Remediation
Manufacturing Industry
A release of more than 60,000 pounds of PCE into groundwater occurred at a major manufacturing facility in Security, Colorado. The groundwater contamination affected the main aquifer for the area, which supplied 35,000 people with drinking water. Mr. Rosso served as a senior technical advisor for the investigation and remediation of the site. The project team used a network of more than 100 monitoring wells, municipal wells, and domestic wells to define the vertical and lateral extent of the plume, which was more than six miles long. Mr. Rosso developed various alternative remedial plans configured to fit on various offsite properties, evaluated the effectiveness of the scenarios, and developed detailed cost estimates for each conceptual plan including long-term operation costs. The remedial alternatives included groundwater extraction and treatment for hydraulic control, chemical reaction walls, soil bentonite walls, air sparging, chemical injection and reaction, and natural attenuation. Based on extensive aquifer testing, subsurface investigation, and computer modeling, a hydraulic control system was designed and presented to the Colorado Department of Public Health, which approved the plan. The system was implemented and appears to be effective.

Site Assessment and Subsurface Investigation
Municipal Redevelopment Agency

As a senior environmental consultant to the San Francisco Redevelopment Agency, Mr. Rosso conducted a site assessment and subsurface investigation for the proposed parking facility at the San Francisco Giants' new baseball park. The environmental site assessment (ESA) identified several issues. First, the property had been part of a major fuel oil handling facility operating between 1920 and 1930. Aerial photographs from 1930 showed three 40-foot-diameter aboveground oil tanks (ASTs) and a pump station onsite. The adjacent properties contained 19 ASTs with one tank measuring 150 feet in diameter. Second, the ESA identified that the site was underlain with 20 to 30 feet of rubble debris from the 1906 earthquake and fire. The subsurface investigation was designed to characterize the subsurface and quantify the remedial issues for the construction of the parking structure. The subsurface investigation confirmed that earthquake debris were present and contaminated with lead, hydrocarbons, and PAHs. Third, the ESA identified significant quantities of heavy hydrocarbons underlying the property. Fuel characterization analyses indicated that the hydrocarbons were residual fuel oil and crude oil. Mr. Rosso reviewed various remedial options with the San Francisco Department of Public Health and reached agreement that the most cost effective and practical remedial plan was to encapsulate the material onsite. These activities were completed in a timely manner, allowing the project to proceed as scheduled on a sound environmental and fiscal basis.

Site Investigations, Evaluations, and Remediation

State Superfund Sites – Landfills

Mr. Rosso investigated, evaluated, and remediated two California State Superfund landfills that contained chromium-contaminated furnace bricks. In the past, a local winery's glass bottle furnaces had been remodeled and the brick linings were placed in uncontrolled landfills. The bricks subsequently released hexavalent and trivalent chromium to groundwater. The assessment involved the installation of monitoring well networks at each landfill to define the vertical and lateral extent of groundwater contamination. Based on review of historical aerial photographs, extensive exploratory trenching programs were developed to locate the bricks within each landfill. The most cost-effective remedial alternative included the complete removal of the contaminated bricks (approximately 5,000 cubic yards) and the extraction and treatment of shallow groundwater. The remedial actions resulted in site closure and removal from the state Superfund list.

Mediation and Litigation Support

Transportation Industry

Mr. Rosso provided mediation and litigation support for a major overnight courier corporation against the San Francisco International Airport regarding cost recovery for hazardous waste remediation encountered during the construction of Taxiway C. The project involved developing defense arguments through extensive historical research, evaluation of investigations by multiple parties, identification of various types of fuel hydrocarbons, analysis of airport cost claims and construction schedule impacts. The work by Mr. Rosso provided a strong basis for the client to negotiate with the airport.

Landfill Investigations

Real Estate Development Industry

A 1,000-acre development was planned for Orinda, California. As part of the environmental assessment of the property, Mr. Rosso investigated four major onsite landfills, which contained construction debris. The landfills were delineated using historic aerial photographs and topographic mapping. The four landfills contained more than 100,000 cubic yards of construction debris. A subsurface investigation was designed to investigate and characterize the landfills, some of which extend to depths of 60 feet below ground surface. The laboratory-testing program demonstrated that three of the landfills did not contain hazardous compounds and could be used as general fill in the development. One of the landfills, which was located in a former quarry, contained high concentrations of lead, hydrocarbons, and PCBs. The contaminated fill material was primarily soil mixed with metal debris, tires, and asphalt. Interviews with former ranch personnel identified the material as Caltrans shoulder scrapping. As part of remedial feasibility study, Mr. Rosso developed surface-water and bedrock groundwater investigations. Based on the results of the investigations, a remedial action plan was developed. Due to toxicity and solubility issues with the fill, the most practical remedial solution was excavation and offsite disposal, which was implemented, allowing the development project to move forward.

Emergency Response and Remediation

Transportation Industry

Mr. Rosso was the onsite technical advisor and project manager for the emergency response and remediation of a massive toxic chemical spill due to a 23-car train derailment north of Houston, Texas. The remedial action included the rapid restoration of the railroad line and the protection of a nearby river. Working with the contractor, Mr. Rosso identified the lateral and vertical extent of soil contamination and developed a remedial program, which involved removing 700,000 gallons of hazardous liquids, excavating 14,000 cubic yards of soil, and restoring the remediated area with a low permeability cap. Working with the Texas regulatory agencies, Mr. Rosso implemented a followup groundwater investigation, which concluded that only minor residual contamination existed following the remediation.

Site Remediation Plans

Real Estate Redevelopment

As project manager, Mr. Rosso prepared site remediation plans for a mixed-use, master-planned, water-oriented development to be built on 50 acres along the shore of San Francisco Bay. Historically, the site was part of a highly industrialized area, which included major steel production and fabrication facilities. Mr. Rosso studied past manufacturing operations and existing site conditions and evaluated various previous investigations conducted by others. As part of this study and studies by others, more than 275 soil samples were collected and chemically analyzed. Statistical evaluation of the data indicated that hydrocarbons and heavy metals were present in near-surface soil in localized areas of the site and did not substantially affect the groundwater. The

remediation plan, developed in association with regulatory agencies, consisted of excavating and removing 40,000 cubic yards of contaminated soil from various areas of the site followed by chemical fixation, compaction, and encapsulation of the excavated soil beneath a 5-acre concrete parking structure on the property. The plan was approved and implemented, allowing the development to proceed as planned and in compliance with environmental regulations.

Site Assessments and Remediation

Chemical Industry

Mr. Rosso was project manager for the site assessment and remediation of two inactive evaporation ponds containing 9,000 cubic yards of residual sludge materials from aluminum anodizing processes at a California chemical manufacturing facility. Interacting with the California Regional Water Quality Control Board (RWQCB) on behalf of the client and one of its subsidiaries, Mr. Rosso developed a site characterization program, which focused on defining the subsurface conditions, soil quality, and extent of groundwater contamination. These assessment activities involved drilling and continuously sampling soil borings, installing monitoring and extraction wells, logging geophysical subsurface conditions, and chemically testing soil and groundwater samples. Evaluation studies included investigating the effects of high pH on groundwater geochemistry, treatability studies for nonhazardous disposal of sludge, aquifer testing, and computer modeling for groundwater extraction systems. The remediation consisted of excavating the sludge material, disposing of the material as nonhazardous waste, controlled backfilling and surface grading of the former pond areas, and monitoring geochemical transformations in the groundwater. These activities brought the site into compliance with state environmental regulations.

Site Characterization and Remedial Plans

Food Processing and Distribution Plant

As a senior technical consultant, Mr. Rosso directed site characterization activities and developed remedial plans for a 70-acre food processing and distribution facility in California. Mr. Rosso conducted an ESA of the property and identified several areas of concern including multiple fuel and solvent handling facilities and the former presence of 18 underground storage tanks (USTs), primarily in a fuel tank farm area. Investigations of the UST areas indicated significant releases to the subsurface. Free-floating fuel product was found on the groundwater surface. Fuel characterization techniques identified the floating fuel product as a mixture of gasoline and diesel. Various remedial options reviewed in detail included horizontal extraction wells, bioremediation, injection of hydrogen peroxide, product extraction, soil vapor extraction, groundwater sparging, and excavation. Evaluations indicated that the most cost-effective and practical remedial plan was to remove the free product and monitor the natural attenuation of the plume. In addition to onsite issues, chlorinated organic solvents were found in groundwater entering the property from an upgradient source. Mr. Rosso identified potential offsite sources of chlorinated solvents through the use regulatory record and historic aerial photography.

This information was used by the client to determine the remedial course of action and allowed the major rehabilitation of the facility to proceed on schedule.

Subsurface Evaluation

Transportation Industry

As project manager, Mr. Rosso evaluated the subsurface conditions for the expansion of a private waste water treatment plant and major access road at the San Francisco International Airport. These renovation projects were located adjacent to major jet fuel distribution facilities not owned by the Airport. The investigation focused on identifying, delineating, and quantifying fuel products in the subsurface. The laboratory testing program included fuel fingerprinting and fuel characterization techniques. The investigation identified jet fuel products floating on the groundwater in several areas. The objective of remedial activities was to protect foundation and pipeline construction workers within the jet fuel contaminated areas. These activities delineated the areas of concern and minimized the uncertainty for the expansion project bidding contractor. This resulted in a more accurate bid and minimized change orders.

Trichloroethene (TCE) Investigations

Manufacturing Facility

As a senior technical advisor, Mr. Rosso investigated the presence of TCE in groundwater beneath two adjacent manufacturing facilities in central California. He assisted the downgradient property owner and its environmental counsel to evaluate the work of opposing consultants, assess and delineate the extent of contamination, and develop a variety of possible remedial actions. The work also included assessing groundwater flow and using numerical simulation models to estimate the fate and transport of chemicals and the extraction systems' zone of capture. These investigations demonstrated the upgradient facility as the major source of contamination. Mr. Rosso provided litigation support to the environmental counsel for the downgradient property owner, evaluated remedial alternatives, and prepared community relations plans. The most cost-effective measures proved to be groundwater extraction and treatment and soil vapor extraction from the vadose zone. As a result of these activities, the client received a favorable settlement.

Contamination Source Investigation

Real Estate Redevelopment

As part of the redevelopment of downtown Hartford, Connecticut, a major bank was foreclosing on several contiguous properties. The ESAs and subsurface investigations by others identified chlorinated solvents in the groundwater on the properties. The main issue for the bank involved the source of the contamination, which the previous consultant believed was onsite. Based on the evaluation of the data, subsurface conditions, and hydrogeologic regime, it appeared that an offsite source was responsible for the chlorinated solvents in the groundwater. The review of regulatory records identified a nearby property that was previously used by a barrel cooperage, which had recycled steel barrels. The former cooperage had been replaced with an office building for the Connecticut Department of Public Works. Regulatory records indicated that the barrel

cooperage had recycled chlorinated solvents and apparently had buried a large number of drums, which were uncovered during the construction of the office building. Computer analysis and models demonstrated that the source of contamination was most likely the former barrel cooperage. These findings allowed the bank fund the redevelopment project.

Employment History

Clayton Group Services, Inc. – Pleasanton, California
Director, Environmental Services
1998 to Present

A. F. Evans Company, Inc. – San Ramon, California
Manager of Acquisitions and Project Manager
1997 to 1998

Treadwell & Rollo, Inc. – San Francisco, California
Founding Shareholder, Officer, and Senior Associate Engineer
1988 to 1997

Geomatrix Consultants, Inc. – San Francisco, California
Senior Staff Engineer
1984 to 1988

Woodward-Clyde Consultants – Oakland, California
Staff Engineer
1982 to 1984

Education

M.S., Civil Engineering (Construction Management), 1988
University of California, Berkeley, California

B.S., Civil Engineering, 1984
University of California, Berkeley, California

Professional Registrations and Certifications

Environmental Assessor: California (inactive)
Licensed Civil Engineer, State of California, No. 45310, 1990
Licensed Civil Engineer, State of Connecticut, No. 7818, 1993
Licensed Civil Engineer, State of Massachusetts, No. 37347, 1993
Licensed Civil Engineer, State of New Jersey, No. 38988, 1995
Licensed Civil Engineer, State of Rhode Island, No. 6057, 1993

Professional Affiliations

American Chemical Society (ACS)
American Society of Civil Engineers, (ASCE)
Chi Epsilon, National Civil Engineering Honor Society
National Ground Water Association (NGWA)

APPENDIX B

BORING LOGS

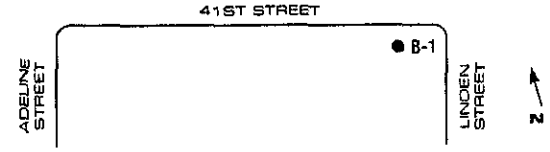
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/5/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-1
Sheet 1 of 1

Field location of boring:



Ground Elev.: Datum:

Drilling Method: GEOPROBE
Hole Dia.: 2 INCH
Casing Installation Data:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	Water Level / Time / Date	DESCRIPTION
				CT			CONCRETE
		1	X	CL			CLAY, OLIVE GRAY, DRY, SOME ROOTLETS, NO ODOR
	0.0	2					
		3					
	0.0	4					
							SAMPLE NOT RECOVERED
		5	X	CL			CLAY, BLACK, DRY, NO ODOR
	1.4	6					
		7					
	0.0	8					GREEN, DRY, PETROLEUM ODOR
		9					
	3.1	10					
		11	X				
							REFUSAL AT 11 FT.
		12					TOTAL DEPTH OF BORING = 11 FT.
		13					No Groundwater Encountered
		14					
		15					
		16					
		17					
		18					

Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/4/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. **B-2**
Sheet 1 of 1

Field location of boring:

Ground Elev.: Datum:

Drilling Method: GEOPROBE
Hole Dia.: 2 INCH

Casing Installation Data:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
						Water Level / Time / Date
				CT	XXXXX	CONCRETE
	48.6	1				CLAY, BLACK, DRY, PETROLEUM ODOR
		2				
	58.2	3	X			
		4				
	24.2	5	X			
		6				
	101.4	7				
	25.1	8		CL		
		9				
	29.2	10				GREEN, DRY, STRONG PETROLEUM ODOR
	45.1	11				
		12				
		13				
	151.6	14				
		15				GRAVELLY
		16	X			TOTAL DEPTH OF BORING = 16 FT.
		17				No Groundwater Encountered
		18				

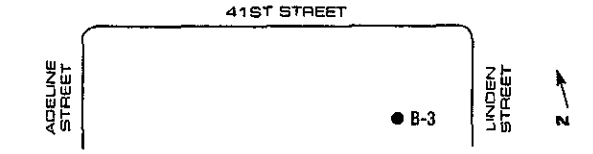
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/4/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY JE DRILLER: ECA

BORING NO. **B-3**
Sheet 1 of 1

Field location of boring:



Ground Elev.: Datum:

Drilling Method: GEOPROBE
Hole Dia.: 2 INCH

Casing Installation Data.

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
						Water Level / Time / Date
				CT		CONCRETE
	0.0	1		CL		CLAY, SOME GRAVEL, BROWN, DRY, NO ODOR
		2				
		3	X			
	0.0	4				
		5				SAMPLE NOT RECOVERED
		6				
		7	X			CLAY, GREEN, DRY, PETROLEUM ODOR
	0.0	8				
		9	X			
	5.7	10				BLACK
		11		CL		
	13.9	12				GREEN, PETROLEUM ODOR
		13	X			
	2.4	14				
		15				
		16				TOTAL DEPTH OF BORING = 16 FT.
		17				No Groundwater Encountered
		18				

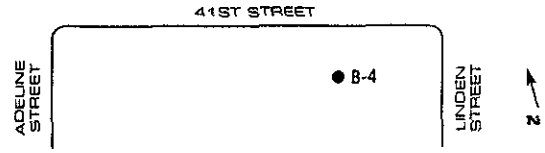
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/4/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. **B-4**
Sheet 1 of 1

Field location of boring:



Ground Elev.: Datum:

Drilling Method: GEOPROBE
Hole Dia.: 2 INCH

Casing Installation Data.

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	Water Level / Time / Date	DESCRIPTION
				CT	××××		CONCRETE
		1					CLAY, BLACK, DRY, NO ODOR
	0.0	2					
		3	☒				
		4					
	0.0	5					
		6	☒				
	0.0	7					BLACK, MOIST, NO ODOR
		8		CL			
	0.0	9					
		10	☒				GREEN, STRONG PETROLEUM ODOR
	55.3	11					BROWN, MOIST, PETROLEUM ODOR
	3.1	12					
		13					
	0.0	14					
		15					
	0.0	16					TOTAL DEPTH OF BORING = 16 FT.
		17					No Groundwater Encountered
		18					

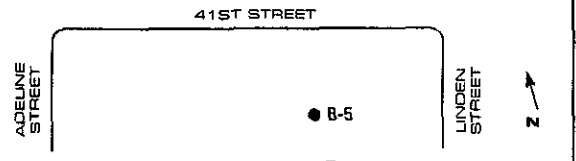
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/4/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-5
Sheet 1 of 1

Field location of boring:



Drilling Method: GEOPROBE
Hole Dia.: 2 INCH
Casing Installation Data:

Ground Elev.: Datum:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
Water Level						
Time						
Date						
				CT		CONCRETE
		1				CLAY, BLACK/BROWN, MOIST, NO ODOR
	6.5	2				
		3	X			
		4				
	19.1	5				
						GRAY, MOIST, NO ODOR
	3.9	6	X			
		7				
		8		CL		
		9	X			
						BLACK, MOIST, STRONG PETROLEUM ODOR
	14.6	10				
		11				GREEN, STRONG PETROLEUM ODOR
	32.4	12				
		13	X			
	162.2	14				LESS GREEN, MORE BROWN, STRONG PETROLEUM ODOR
		15				
	119.1	16				
		17				TOTAL DEPTH OF BORING = 17 FT.
		18				No Groundwater Encountered

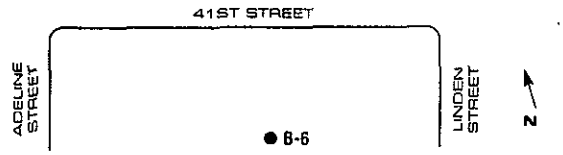
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/4/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. **B-6**
Sheet 1 of 1

Field location of boring:



Drilling Method: GEOPROBE
Hole Dia.: 2 INCH
Casing Installation Data:

Ground Elev.: **Datum:**

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
				CT		CONCRETE
	6.2	1		Fill		CLAY WITH SAND, SOME GRAVEL (FILL), REDDISH BROWN, DRY, NO ODOR
		2				
		3	X			
	2.4	4				
		5		CL		CLAY, BLACK, DRY, NO ODOR
		6	X			
		7				BROWN, MOIST, NO ODOR
		8				
	85.5	9	X			BLACK, MOIST, PETROLEUM ODOR
	33.4	10				
		11				
	31.8	12				
		13	X			GREEN, STRONG PETROLEUM ODOR
	212.2	14				
		15				
		16				
	19.3	17				
		18				TOTAL DEPTH OF BORING = 18 FT.
						No Groundwater Encountered

Water Level						
Time						
Date						

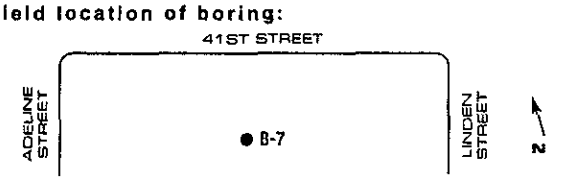
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/5/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-7
Sheet 1 of 2

Field location of boring:



Ground Elev.: Datum:

Drilling Method: GEOPROBE
Hole Dia.: 2 INCH
Casing Installation Data:

Water Level						
Time						
Date						

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
				CT	XXXXX	CONCRETE
		1				SAMPLE NOT RECOVERED
		2	X			CLAY, BLACK, MOIST, PETROLEUM ODOR
	23.2	3				
		4	X			
		5				
		6				
	31.3	7				
		8	X			
	55.7	9				DARK GRAY, MOIST, STRONG PETROLEUM ODOR
		10		CL		
	14.4	11				
		12	X			GREEN, STRONG PETROLEUM ODOR
	55.0	13				
		14				
	27.5	15				
	54.3	16				
		17				
		18				

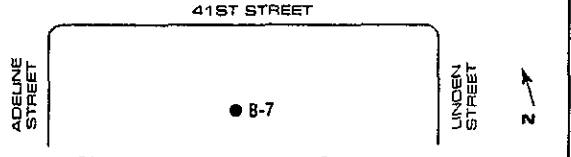
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/5/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-7
Sheet 2 of 2

Field location of boring:



Ground Elev.: Datum:

Drilling Method: GEOPROBE
Hole Dia.: 2 INCH

Casing Installation Data:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol		DESCRIPTION
						Water Level	
						Time	
						Date	
				CL			CLAY, GREEN, STRONG PETROLEUM ODOR
		19					
		20	X				
	45.8	21					
		22					BROWN, MOIST, NO ODOR
		23	X				
	0.0	24					
		25					
		26					
		27					
	2.1	28					
		29					
		30					TOTAL DEPTH OF BORING = 30 FT.
		31					No Groundwater Encountered
		32					
		33					
		34					
		35					
		36					

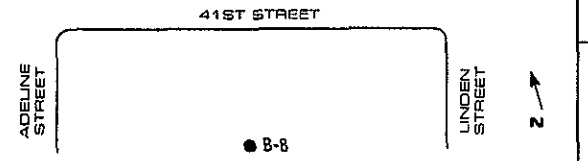
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/5/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-8
Sheet 1 of 1

Field location of boring:



Ground Elev.: Datum:

Drilling Method: GEOPROBE
Hole Dia.: 2 INCH

Casing Installation Data:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
						Water Level / Time / Date
				CT	XXXX	CONCRETE
				CL		CLAY WITH SAND, SOME GRAVEL, DRY, NO ODOR
		1				CLAY, DARK GRAY, DRY, NO ODOR
	0.0	2				
		3	X			
	1.7	4				
		5	X			BROWN, DRY, NO ODOR
		6		CL		
	18.3	7				
	122.7	8				BROWN, MOIST, PETROLEUM ODOR
		9	X			
		10				
	79.5	11				
	33.1	12				SAMPLE NOT RECOVERED
		13				
		14				CLAY, GREENISH BLACK, STRONG PETROLEUM ODOR
		15		CL		
	156.9	16				
		17	X			
		18				REFUSAL AT 17 FT.
						TOTAL DEPTH OF BORING = 17 FT.
						No Groundwater Encountered

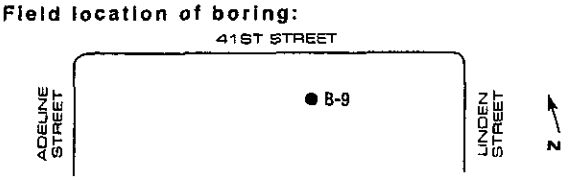
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/5/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-9
Sheet 1 of 1

Field location of boring:



Drilling Method: GEOPROBE
Hole Dia.: 2 INCH

Casing Installation Data:

Ground Elev.: **Datum:**

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
				CT		CONCRETE
		1	X	CL		CLAY, BLACK, DRY, NO ODOR
	5.2	2				
		3				
	9.1	4				
		5				SAMPLE NOT RECOVERED
		6	X	CL		CLAY, BLACK, DRY, NO ODOR
	3.1	7				
	2.4	8	X			BLACK, MOIST, STRONG PETROLEUM ODOR
		9				
		10				GREEN, STRONG PETROLEUM ODOR
	161.5	11				
		12				SAMPLE NOT RECOVERED
	115.3	13				
		14	X	CL		GREEN, STRONG PETROLEUM ODOR
		15				REFUSAL AT 15 FT.
		16				TOTAL DEPTH OF BORING = 15 FT.
		17				No Groundwater Encountered
		18				

Water Level
Time
Date

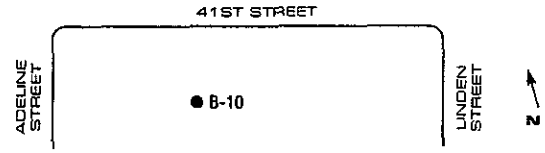
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/5/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-10
Sheet 1 of 2

Field location of boring:



Ground Elev.: Datum:

Drilling Method: GEOPROBE
Hole Dia.: 2 INCH

Casing Installation Data:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
Water Level						
Time						
Date						
				CT	XXXXX	CONCRETE
		1				SAMPLE NOT RECOVERED
		2				
		3	X	Fill		CLAY WITH RED BRICKS, BLACK, DRY, NO ODOR
		4				
		5		CL		
	139.6	6	X			STRONG PETROLEUM ODOR
		7				
		8				CLAY, BLACK/GREEN, MOIST, STRONG PETROLEUM ODOR
		9	X			
		10		CL		
	14.8	11				
	22.5	12				CLAY WITH SOME GRAVEL, GREEN, DRY, STRONG PETROLEUM ODOR
		13				
		14				
		15		CL		
	26.1	16				
	2.1	17				
		18				

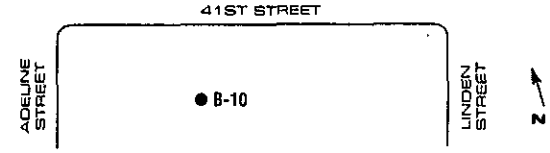
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/5/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. **B-10**
Sheet 2 of 2

Field location of boring:



Drilling Method: GEOPROBE
Hole Dia.: 2 INCH

Casing Installation Data:

Ground Elev.: **Datum:**

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol		DESCRIPTION
						Water Level	
						Time	
						Date	
				CL			CLAY WITH SOME GRAVEL, GREEN, DRY, STRONG PETROLEUM ODOR
	0.0	19					CLAY WITH GRAVEL, GREEN, MOIST, STRONG PETROLEUM ODOR
		20					GREEN TO BROWN, MOIST, PETROLEUM ODOR
		21					
		22					
		23					NO ODOR
	0.0	24					
		25	X				
		26					
		27					
	0.0	28					
		29					
	0.0	30					TOTAL DEPTH OF BORING = 30 FT.
		31					No Groundwater Encountered
		32					
		33					
		34					
		35					
		36					

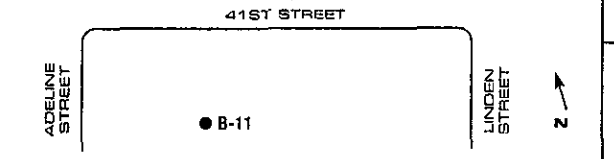
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/5/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-11
Sheet 1 of 2

Field location of boring:



Ground Elev.: Datum:

Drilling Method: GEOPROBE
Hole Dia.: 2 INCH

Casing Installation Data:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
						Water Level / Time / Date
				CT	XXXXX	CONCRETE
		1				SAMPLE NOT RECOVERED
		2	X	CL		CLAY, BLACK, MOIST, STRONG PETROLEUM ODOR
		3	X			
		4				
		5				
		6				
		7	X			
	222.2					DARK GRAY/GREEN, STRONG PETROLEUM ODOR
	187.2	8		CL		CLAY WITH SAND (INCREASING GRAVEL CONTENT), BLACK, MOIST, STRONG PETROLEUM ODOR
		9				
		10	X	CL		CLAY, DARK GRAY/GREEN, MOIST, STRONG PETROLEUM ODOR
		11				
		12				
	70.8	13				
		14				
		15				
	31.7	16	X			
		17				
	142.1	18		CL		CLAY WITH SAND (INCREASING GRAVEL CONTENT), GREEN, DRY, STRONG PETROLEUM ODOR

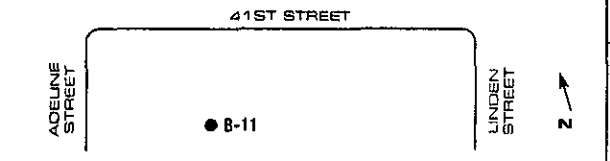
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/5/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-11
Sheet 2 of 2

Field location of boring:



Ground Elev.: Datum:

Drilling Method. GEOPROBE
Hole Dia.: 2 INCH

Casing Installation Data:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol		DESCRIPTION
						Water Level	
						Time	
						Date	
							CLAY WITH SAND (INCREASING GRAVEL CONTENT), GREEN, DRY, STRONG PETROLEUM ODOR
		19					
	7.7	20		CL			
	62.7	21					
		22					
							CLAY, YELLOWISH ORANGE, MOIST, NO ODOR
	23.2	23					
		24	X	CL			
		25					
	0.0	26					
		27					TOTAL DEPTH OF BORING = 27 FT.
		28					No Groundwater Encountered
		29					
		30					
		31					
		32					
		33					
		34					
		35					
		36					

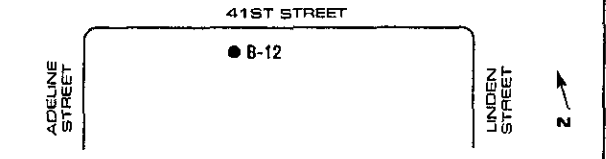
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/4/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-12
Sheet 1 of 1

Field location of boring:



Ground Elev.: Datum:

Drilling Method: GEOPROBE
Hole Dia.: 2 INCH

Casing Installation Data:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
						Water Level / Time / Date
				CT		CONCRETE
		1		Fill		CLAY WITH SAND, SOME GRAVEL (FILL), REDDISH BROWN, DRY, NO ODOR
	4.2	2				CLAY, BLACK, DRY, NO ODOR
		3	X			
		4				
	3.1	5				
		6				
		7	X			BLACK, MOIST, NO ODOR
		8				
	14.8	9		CL		MOIST, PETROLEUM ODOR
		10				GREEN, STRONG PETROLEUM ODOR
	71.6	11				
		12				
		13	X			
		14		▽		GREEN, MOIST, STRONG PETROLEUM ODOR
	206.8	15				
		16				
		17				TOTAL DEPTH OF BORING = 17 FT.
		18				Groundwater Encountered at 14' at Time of Drilling

Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/5/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-13
Sheet 1 of 2

Field location of boring:

Drilling Method: GEOPROBE
Hole Dia.: 2 INCH
Casing Installation Data:

Ground Elev.: Datum:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	Water Level / Time / Date	DESCRIPTION
				AS			ASPHALT
		1					CLAY, BLACK, DRY, NO ODOR
		2	X				
	3.8	3					
		4					
		5	X				
	3.5	6		CL			PETROLEUM ODOR
		7					
		8	X				
	27.1	9					BLACK/GREEN, MOIST, STRONG PETROLEUM ODOR
		10					
		11					
	10.9	12					
		13					CLAY WITH SAND (INCREASING GRAVEL CONTENT), GREEN, MOIST, STRONG PETROLEUM ODOR
		14	X				
	50.4	15		CL			
		16					CLAY, GREEN, MOIST, STRONG PETROLEUM ODOR
	0.0	17					BROWN, NO ODOR
		18		CL			

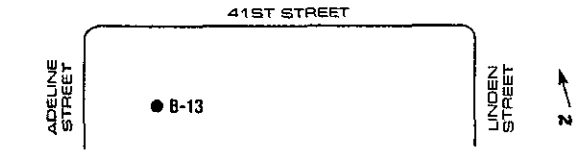
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/5/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-13
Sheet 2 of 2

Field location of boring:



Drilling Method: GEOPROBE
Hole Dia.: 2 INCH

Casing Installation Data:

Ground Elev.: Datum:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	Water Level / Time / Date	DESCRIPTION
							YELLOWISH ORANGE, MOIST, NO ODOR
		19					
	0.0	20					
		21					
		22					
		23					
	3.5	24		CL			
		25					
	0.0	26					
		27					
		28					
	0.0	29					
		30					TOTAL DEPTH OF BORING = 30 FT.
		31					No Groundwater Encountered
		32					
		33					
		34					
		35					
		36					

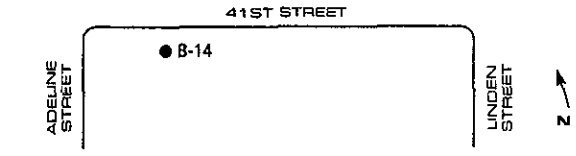
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/4/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-14
Sheet 1 of 1

Field location of boring:



Drilling Method: GEOPROBE
Hole Dia.: 2 INCH
Casing Installation Data:

Ground Elev.: Datum:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	Water Level / Time / Date	DESCRIPTION
				CT			CONCRETE
		1					
	0.0						CLAY WITH SAND, SOME GRAVEL (FILL), REDDISH BROWN, DRY, NO ODOR
		2					
		3	X	CL			
	2.4	4					
		5					
							CLAY, BLACK, DRY, NO ODOR
	18.8	6					
		7	X				
	0.0	8					
							MOIST
		9					
	107.4	10					
							STRONG PETROLEUM ODOR
		11		CL			
		12					
		13	X				GREEN, STRONG PETROLEUM ODOR
				▽			
		14					
		15					
	47.1	16					
		17					
							TOTAL DEPTH OF BORING = 17 FT.
		18					
							Groundwater Encountered at 13' at Time of Drilling

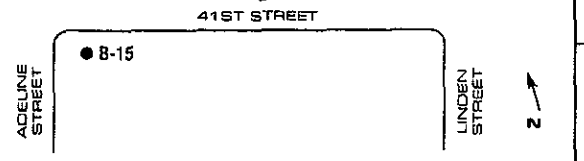
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/4/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-15
Sheet 1 of 1

Field location of boring:



Drilling Method: GEOPROBE
Hole Dia.: 2 INCH
Casing Installation Data:

Ground Elev.: Datum:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol		DESCRIPTION
						Water Level	
						Time	
						Date	
		1					SAMPLE NOT RECOVERED
		2					
		3	X				CLAY, BROWN, SOME ROOTLETS, DRY, NO ODOR
	0.0	4					
		5					
		6	X				
	2.4	7		CL			DARK GRAY, DRY, NO ODOR
		8					MOIST, STRONG PETROLEUM ODOR
		9					
		10	X				GREEN
	131.5	11		▽			CLAY WITH SAND (INCREASING GRAVEL CONTENT), GREEN, MOIST TO SATURATED, STRONG PETROLEUM ODOR
		12					
		13					
	4.2	14		CL			
		15					
		16					
		17					TOTAL DEPTH OF BORING = 17 FT.
		18					Groundwater Encountered at 11' at Time of Drilling

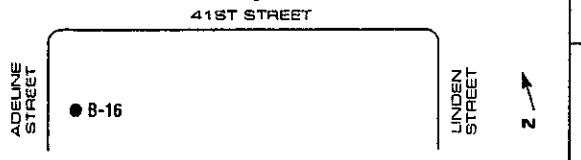
Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03365.01 DATE: 11/5/02
CLIENT: GREEN CITY LOFTS, LLC
LOCATION:
LOGGED BY: JE DRILLER: ECA

BORING NO. B-16
Sheet 1 of 1

Field location of boring:



Ground Elev.: Datum:

Drilling Method: GEOPROBE
Hole Dia.: 2 INCH
Casing Installation Data:

Drilling Rate FT/MIN	PID / OVA	Depth	Sample	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
						Water Level / Time / Date
				AS		ASPHALT
		1				CLAY, OLIVE GRAY, DRY, NO ODOR
	7.4	2				
		3	X	CL		
		4				
		5				
		6	X			STRONG PETROLEUM ODOR
	5.6	7				CLAY WITH SAND (INCREASING GRAVEL CONTENT), MOIST, STRONG PETROLEUM ODOR
		8		CL		
		9	X	▽		
						CLAY, GREEN, MOIST, STRONG PETROLEUM ODOR
	74.4	10				
		11				
		12				TOTAL DEPTH OF BORING = 12 FT.
		13				Groundwater Encountered at 8.5' at Time of Drilling
		14				
		15				
		16				
		17				
		18				

APPENDIX C

COMPOSITE SOIL SAMPLING REPORT

1.0 COMPOSITE SOIL SAMPLING

As part of the investigation on November 4, and 5, 2002, Clayton performed soil analyses on 4-point composite soil samples, which is required for characterizing appropriate disposal methods for waste material. The soil sample compositing was done according to sample depth and material horizon. Three soil samples were collected from each of the 16 borings (see attached Figure 3) as follows:

- One (1) soil sample was collected from the shallow vadose zone (sometimes containing fill) encountered from the ground surface to about 3 feet bgs;
- One (1) soil sample was collected from the vadose zone between the shallow/fill zone and the groundwater table from around 4 to 7 feet bgs;
- One (1) soil sample was collected from soil underneath the groundwater table from around 8 to 13 feet bgs.

These 48 soil samples were composited by the laboratory into 12, 4-point composite samples for analysis from each Area as follows:

Composite Soil Sample ID	Sample ID and Depth (feet bgs)
Area 1-A	B-1@1' B-2@3' B-3@3' B-4@3'
Area 1-B	B-1@5' B-2@6' B-3@7' B-4@6'
Area 1-C	B-1@11' B-2@9' B-3@9' B-4@10'
Area 2-A	B-5@3' B-6@3' B-7@2' B-8@3'
Area 2-B	B-5@6' B-6@6' B-7@4' B-8@5'
Area 2-C	B-5@9' B-6@9' B-7@8' B-8@9'

Composite Soil Sample ID	Sample ID and Depth (feet bgs)
Area 3-A	B-9@1' B-10@3' B-11@2' B-12@3'
Area 3-B	B-9@6' B-10@6' B-11@7' B-12@7'
Area 3-C	B-9@10' B-10@9' B-11@10' B-12@13'
Area 4-A	B-13@2' B-14@3' B-15@3' B-16@3'
Area 4-B	B-13@5' B-14@7' B-15@6' B-16@6'
Area 4-C	B-13@8' B-14@13' B-15@10' B-16@9'

*Composite soil sampling locations are depicted on Figure 3.

Clayton screened soil cores for lithology and physical evidence of contamination (*e.g.*, odors, discoloration, chemical sheen). Clayton also screened soil at approximately 2.0-foot intervals for ionizable substances using an organic vapor analyzer (OVA). A 6.0-inch long soil sample was cut from the acetate sample tube, sealed with Teflon tape, capped, labeled, and placed in a pre-chilled ice chest. Collected soil samples were then transported to a State of California-certified laboratory under formal chain-of-custody documentation.

1.1.1 Composite Soil Analysis

Clayton performed soil analyses on 4-point composite soil samples, which is required for characterizing appropriate disposal methods for waste material. The soil sample compositing was done according to sample depth and material horizon. Clayton submitted three soil samples from each of the 16 borings for analysis (48 soil samples). The laboratory composited and analyzed a 4-point composite per material horizon as follows: 1) in the shallow/fill layer, 2) in the mid-vadose zone, and 3) from underneath the groundwater table. This compositing scheme resulted in the analysis of 12, 4-point composites collected from 16 boring locations across the subject property using the following United States Environmental Protection Agency (USEPA)-approved methods:

- USEPA Method 8015M for Total Petroleum Hydrocarbons (TPH), quantified for gasoline (TPH-g), diesel (TPH-d), and motor oil (TPH-mo)
- USEPA Method 8270 for semi-volatile organic compounds (SVOCs)-*4 composite soil samples (one from each Area within the fill zone) and 2 from the mid-vadose zone within Areas 2 and 3 (6 total)*
- USEPA Method 8260 for Volatile Organic Compounds (VOCs), including benzene, toluene, ethylbenzene, and xylenes (BTEX, collectively), and methyl tertiary butyl ether (MTBE)
- USEPA Method 6010 for California Assessment Manual (CAM) 17 total metals (CAM 17)
- USEPA Method 8080 for polychlorinated biphenyls (PCBs)- *4 composite soil samples (one from each Area within the fill zone) and 2 from the mid-vadose zone within Areas 2 and 3 (6 total)*

Based on some of the metal analytical results, California Waste Extraction Test (WET) Procedures for soluble lead and copper and Toxicity Characteristic Leachate Procedure (TCLP) for lead were conducted.

2.0 FINDINGS

The composite soil data is summarized in Tables 1 through 5 and presented below. The location of the composite soil sampling is shown on Figure 3. The purpose of the composite soil sampling was to characterize the material to be excavated for offsite disposal at an appropriate facility.

2.1.1 TPH-g

The laboratory indicated that the TPH detected in soil closely resembled a mineral spirits signature falling in the TPH-g and TPH-d range. TPH-g concentrations ranged from 4.8 to 1,800 milligrams per kilogram (mg/kg) or parts per million (ppm) within the 12, 4-point composite soil samples analyzed as follows:

- Area 1 soil contained TPH-g concentrations of 5.3 mg/kg (Area 1-A), 5.8 mg/kg (Area 1-B), and 120 mg/kg (Area 1-C).
- Area 2 soil contained TPH-g concentrations of 75 mg/kg (Area 2-A), 83 mg/kg (Area 2-B), and 160 mg/kg (Area 2-C).
- Area 3 soil contained TPH-g concentration of 440 mg/kg (Area 3-A), 1,800 mg/kg (Area 3-B), and 590 mg/kg (Area 3-C).
- Area 4 soil contained TPH-g concentrations of 23 mg/kg (Area 4-A), 4.8 mg/kg (Area 4-B), and 430 mg/kg (Area 4-C).

2.1.2 TPH-d

The laboratory indicated that the TPH detected in soil closely resembled a mineral spirits signature falling in the TPH-g and TPH-d range. TPH-d concentrations ranged from 2.5 to 730 mg/kg within the 12, 4-point composite soil samples analyzed as follows:

- Area 1 soil contained TPH-d concentrations of 2.5 mg/kg (Area 1-A), 3.5 mg/kg (Area 1-B), and 18 mg/kg (Area 1-C).
- Area 2 soil contained TPH-d concentrations of 32 mg/kg (Area 2-A), 99 mg/kg (Area 2-B), and 54 mg/kg (Area 2-C).
- Area 3 soil contained TPH-d concentrations of 730 mg/kg (Area 3-A), 570 mg/kg (Area 3-B), and 730 mg/kg (Area 3-C).
- Area 4 soil contained TPH-d concentrations of 68 mg/kg (Area 4-A), 4.8 mg/kg (Area 4-B), and 71 mg/kg (Area 4-C).

2.1.3 TPH-mo

Low concentrations of TPH-mo concentrations were detected in two composite soil samples at 8.0 and 110 mg/kg in Area 4-B and Area 4-A, respectively.

2.1.4 VOCs

VOCs were detected in 8 of the 12, 4-point composite samples as follows:

- Naphthalene (42 to 3,300 micrograms per kilogram (µg/kg) or parts per billion (ppb) in Areas 1-C, 2-A, and 3-A through C);
- N-butyl benzene (63 µg/kg in Area 2-A);
- Sec-butyl benzene (7.5 and 70 µg/kg in Areas 2-B and 3-A, respectively);
- Tert-butyl benzene (5.0 µg/kg in Area 2-B);
- Ethylbenzene (300 and 330 µg/kg in Areas 3-A and 3-B, respectively);
- Isopropylbenzene (97 µg/kg in Area 3-A),
- N-propyl benzene (7.2 to 260 µg/kg in Areas 3-A, 3-B, and 4-A);
- 4-Isopropyl toluene (91 and 110 µg/kg in Areas 2-A and 3-A, respectively),
- 1,2,4-Trimethylbenzene or TMB (62 to 1,000 µg/kg in Areas 2-A, 3-A, 3-C, and 4-A);
- 1,3,5-TMB (25 to 360 µg/kg in Areas 3-A, 3-C, and 4-A);
- 1,1,2-Trichloroethane or TCA (7.5 µg/kg in Area 4-A); and
- Xylenes (630 µg/kg in Area 3-A).

2.1.5 SVOCs

Low concentrations of three SVOCs were detected in 3 of the 6, 4-point composite soil samples analyzed as follows:

- Phenol (4.8 mg/kg in Area 2-A);
- 2-Methylnaphthalene (1.4 and 1.9 mg/kg in Areas 3-B and 3-A, respectively); and
- Naphthalene (1.7 and 2.4 mg/kg in Areas 3-A and 3-B, respectively).

2.1.6 PCBs

The analytical results did not show the presence of PCBs at or above the laboratory method detection limits in the 6, 4-point composite samples analyzed.

2.1.7 Metals

Eleven total metal analytes were detected above laboratory method detection limits. The concentration ranges, in addition to the sample identification for the highest detected metal ion, are listed below:

Arsenic	<2.5 to 21 mg/kg	(Area 4-A)
Barium	39 to 800 mg/kg	(Area 3-C)
Cadmium	0.55 to 3.5 mg/kg	(Area 4-A)
Chromium	8.4 to 35 mg/kg	(Area 1-A)
Cobalt	2.4 to 29 mg/kg	(Area 1-A)
Copper	5.5 to 390 mg/kg	(Area 4-A)
Lead	4.2 to 190 mg/kg	(Area 3-C)
Mercury	0.061 to 0.48 mg/kg	(Area 4-A)
Nickel	12 to 48 mg/kg	(Area 1-A)
Vanadium	7.9 to 35 mg/kg	(Area 2-B)
Zinc	14 to 830 mg/kg	(Area 3-A)

Based on the elevated concentrations of lead above 10 times the Soluble Threshold Limit Concentration (STLC) of 50 mg/kg in Areas 3-A (56 mg/kg), 3-C (190 mg/kg), 4-A (110 mg/kg) as well as copper above 10 times the STLC of 250 mg/kg in Area 4-A (390 mg/kg), WET Procedures were conducted and TCLP was conducted for lead in Areas 3-A and 4-A. Soluble lead was detected at 0.65, 1.3, and 11 mg/kg in Areas 4-A, 3-C, and 3-A, respectively. Soluble copper was detected at 0.17 mg/kg in Area 4-A. No TCLP concentrations of lead were detected above the laboratory method detection limit.

3.0 CONCLUSIONS

Given the presence of TPH impacts throughout the majority of the areas tested, this will most likely require that the material be placed in a controlled landfill. Soil from Area 3-A will most likely require disposal as California hazardous waste at a Class I facility, based on the metal results. The excavated material does not appear to be a Federal hazardous waste.

The results of the composite soil sampling should be provided to disposal facilities in order to appropriately profile the material for waste acceptance and disposal.

APPENDIX C

Clayton GROUP SERVICES

TABLES

TABLE 1

Summary of Composite Soil Analytical Results - TPH
Former Dunne Paints
Oakland/Emeryville, California

SAMPLE ID	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)
Area 1-A	**5.3[e]**	**2.5[d]**	<1.0
Area 1-B	**5.8[e]**	**3.5[d]**	<1.0
Area 1-C	**120[e]**	**18[n]**	<1.0
Area 2-A	**75[e]**	**32[n]**	<1.0
Area 2-B	**83[e]**	**99[n]**	<1.0
Area 2-C	**160[e]**	**54[n]**	<1.0
Area 3-A	**440[e]**	**730[n]**	<500
Area 3-B	**1800[e]**	**570[d]**	<500
Area 3-C	**590[e]**	**730[n]**	<50
Area 4-A	**23[e]**	**68[n,g]**	**110**
Area 4-B	**4.8[e]**	**2.8[n,g]**	**8.0**
Area 4-C	**430[e]**	**71[n]**	<10

Notes:
<# = analyte not detected at or above the indicated laboratory method reporting limit
mg/kg = milligrams per kilogram
Sampling date: November 4 and 5, 2002
TPH-d, mo, k = Total petroleum hydrocarbons as diesel, motor oil, and kerosene, respectively, with silica gel cleanup
d = gasoline range range compounds are significant
e = TPH pattern that does not appear to be derived from gasoline (stoddard solvent/mineral spirit?)
g = oil range compounds are significant
n = stoddard solvent/mineral spirit
Area 1-A=Composite of samples B-1@1', B-2@3', B-3@3', and B-4@3'
Area 1-B = Composite of samples B-1@5', B-2@6', B-3@7', B-4@6'
Area 1-C = Composite of samples B-1@11', B-2@9', B-3@9', B-4@10'
Area 2-A = Composite of samples B-5@3', B-6@3', B-7@2', and B-8@3'
Area 2-B = Composite of samples B-5@6', B-6@6', B-7@4', and B-8@5'
Area 2-C = Composite of samples B-5@9', B-6@9', B-7@8', and B-8@9'
Area 3-A = Composite of samples B-9@1', B-10@3', B-11@2', and B-12@3'
Area 3-B = Composite of samples B-9@6', B-10@6', B-11@7', and B-12@7'
Area 3-C = Composite of samples B-9@10', B-10@9', B-11@10', and B-12@13'
Area 4-A = Composite of samples B-13@2', B-14@3', B-15@3', and B-16@3'
Area 4-B = Composite of samples B-13@5', B-14@7', B-15@6', and B-16@6'
Area 4-C = Composite of samples B-13@8', B-14@13', B-15@10', and B-16@9'

TABLE 2

Summary of Composite Soil Analytical Results - VOCs Former Dunne Paints
Oakland/Emeryville, California

SAMPLE ID	Naphthalene (µg/kg)	n-Butly benzene (µg/kg)	scc-Butyl benzene (µg/kg)	tert-Butyl benzene (µg/kg)	Ethylbenzene (µg/kg)	Isopropylbenzene (µg/kg)	n-Propyl benzene (µg/kg)	4-Isopropyl toluene (µg/kg)	1,2,4-TMB (µg/kg)	1,3,5-TMB (µg/kg)	1,1,2-Trichloroethane (µg/kg)	Xylenes (µg/kg)
Area 1-A	<5.0	<5 0	<5 0	<5.0	<5 0	<5 0	<5.0	<5 0	<5 0	<5.0	<5 0	<5.0
Area 1-B	<5.0	<5 0	<5.0	<5.0	<5.0	<5 0	<5.0	<5 0	<5 0	<5.0	<5.0	<5.0
Area 1-C	42	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Area 2-A	100	63	<250	<250	<250	<250	<250	91	480	<250	<250	<250
Area 2-B	<5 0	<5.0	7.5	5.0	<5.0	<5.0	<5 0	<5.0	<5.0	<5 0	<5 0	<5 0
Area 2-C	<5.0	<5 0	<5 0	<5.0	<5.0	<5.0	<5 0	<5.0	<5 0	<5 0	<5.0	<5 0
Area 3-A	1200	220	70	<50	300	97.0	230	110	1000	360	<50	630
Area 3-B	3300	<200	<200	<200	330	<200	260	<200	<200	<200	<200	<200
Area 3-C	820	<200	<200	<200	<200	<200	<200	<200	630	210	<200	<200
Area 4-A	<5 0	<5 0	<5.0	<5 0	<5 0	<5 0	7.2	<5 0	62	25	7.5	<5 0
Area 4-B	<5.0	<5.0	<5 0	<5 0	<5.0	<5.0	<5 0	<5.0	<5.0	<5 0	<5.0	<5 0
Area 4-C	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200

Notes:
No other VOCs detected in addition to the above-listed analytes
<# = analyte not detected at or above the laboratory method reporting limit
µg/kg = micrograms per kilogram
Sampling date: November 4 and 5, 2002
VOCs = Volitile Organic Compounds
Area 1-A=Composite of samples B-1@1', B-2@3', B-3@3', and B-4@3'
Area 1-B = Composite of samples B-1@5', B-2@6', B-3@7', B-4@6'
Area 1-C = Composite of samples B-1@11', B-2@9', B-3@9', B-4@10'
Area 2-A = Composite of samples B-5@3', B-6@3', B-7@2', and B-8@3'
Area 2-B = Composite of samples B-5@6', B-6@6', B-7@4', and B-8@5'
Area 2-C = Composite of samples B-5@9', B-6@9', B-7@8', and B-8@9'
Area 3-A = Composite of samples B-9@1', B-10@3', B-11@2', and B-12@3'
Area 3-B = Composite of samples B-9@6', B-10@6', B-11@7', and B-12@7'
Area 3-C = Composite of samples B-9@10', B-10@9', B-11@10', and B-12@13'
Area 4-A = Composite of samples B-13@2', B-14@3', B-15@3', and B-16@3'
Area 4-B = Composite of samples B-13@5', B-14@7', B-15@6', and B-16@6'
Area 4-C = Composite of samples B-13@8', B-14@13', B-15@10', and B-16@9'

TABLE 3

Summary of Composite Soil Analytical Results - SVOCs
Former Dunne Paints
Oakland/Emeryville, California

SAMPLE ID	Phenol (mg/kg)	2-Methylnaphthalene (mg/kg)	Naphthalene (mg/kg)
Area 1-A	<0.33	<0.33	<0.33
Area 2-A	**4.8**	<0.33	<0.33
Area 2-B	<0.33	<0.33	<0.33
Area 3-A	<0.33	**1.9**	**1.7**
Area 3-B	<0.33	**1.4**	**2.4**
Area 4-A	<13	<13	<13

Notes:
No other SVOCs detected in addition to the above-listed analytes
<# = analyte not detected at or above the laboratory method reporting limit
µg/kg = micrograms per kilogram
Sampling date: November 4 and 5, 2002
SVOCs = Semi-volatile organic compounds
Area 1-A=Composite of samples B-1@1', B-2@3', B-3@3', and B-4@3'
Area 1-B = Composite of samples B-1@5', B-2@6', B-3@7', B-4@6'
Area 1-C = Composite of samples B-1@11', B-2@9', B-3@9', B-4@10'
Area 2-A = Composite of samples B-5@3', B-6@3', B-7@2', and B-8@3'
Area 2-B = Composite of samples B-5@6', B-6@6', B-7@4', and B-8@5'
Area 2-C = Composite of samples B-5@9', B-6@9', B-7@8', and B-8@9'
Area 3-A = Composite of samples B-9@1', B-10@3', B-11@2', and B-12@3'
Area 3-B = Composite of samples B-9@6', B-10@6', B-11@7', and B-12@7'
Area 3-C = Composite of samples B-9@10', B-10@9', B-11@10', and B-12@13'
Area 4-A = Composite of samples B-13@2', B-14@3', B-15@3', and B-16@3'
Area 4-B = Composite of samples B-13@5', B-14@7', B-15@6', and B-16@6'
Area 4-C = Composite of samples B-13@8', B-14@13', B-15@10', and B-16@9'

TABLE 4

Summary of Composite Soil Analytical Results - PCBs
Former Dunne Paints
Oakland/Emeryville, California

SAMPLE ID	PCBs (mg/kg)
Area 1-A	<25
Area 2-A	<25
Area 2-B	<250
Area 3-A	<250
Area 3-B	<250
Area 4-A	<250

Notes:
<# = analyte not detected at or above the indicated laboratory method reporting limit
mg/kg = milligrams per kilogram
Sampling date: November 4 and 5, 2002
PCBs = Polychlorinated biphenyls
Area 1-A=Composite of samples B-1@1', B-2@3', B-3@3', and B-4@3'
Area 1-B = Composite of samples B-1@5', B-2@6', B-3@7', B-4@6'
Area 1-C = Composite of samples B-1@11', B-2@9', B-3@9', B-4@10'
Area 2-A = Composite of samples B-5@3', B-6@3', B-7@2', and B-8@3'
Area 2-B = Composite of samples B-5@6', B-6@6', B-7@4', and B-8@5'
Area 2-C = Composite of samples B-5@9', B-6@9', B-7@8', and B-8@9'
Area 3-A = Composite of samples B-9@1', B-10@3', B-11@2', and B-12@3'
Area 3-B = Composite of samples B-9@6', B-10@6', B-11@7', and B-12@7'
Area 3-C = Composite of samples B-9@10', B-10@9', B-11@10', and B-12@13'
Area 4-A = Composite of samples B-13@2', B-14@3', B-15@3', and B-16@3'
Area 4-B = Composite of samples B-13@5', B-14@7', B-15@6', and B-16@6'
Area 4-C = Composite of samples B-13@8', B-14@13', B-15@10', and B-16@9'

TABLE 5

Summary of Soil Analytical Results - Total Metals
Former Dunne Paints
Oakland/Emeryville, California

SAMPLE ID	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	Mercury (mg/kg)
Area 1-A	<2.5	2.9	130	<0.5	<0.5	35	29	21	15	<2.0	48	<2.5	<1.0	<2.5	32	67	0.071
Area 1-B	<2 5	6.5	140	<0.5	<0.5	33	8	21	6.5	<2.0	41	<2.5	<1 0	<2.5	35	51	<0.06
Area 1-C	<2.5	<2.5	230	<0.5	<0.5	16	5.4	15	6.3	<2.0	24	<2.5	<1.0	<2 5	23	24	<0 06
Area 2-A	<2.5	4.7	120	<0.5	0.55	31	11	20	26	<2.0	46	<2.5	<1.0	<2.5	33	72	0.079
Area 2-B	<2.5	3.3	150	<0.5	<0.5	31	10	19	13	<2.0	39	<2.5	<1.0	<2.5	30	46	0.067
Area 2-C	<2.5	2.8	160	<0.5	<0.5	28	9.3	19	6.3	<2.0	40	<2.5	<1.0	<2.5	28	46	<0.06
Area 3-A	<2.5	3.3	200	<0.5	2	31	8.5	20	56	<2.0	44	<2.5	<1 0	<2.5	26	830	0.062
Area 3-B	<2.5	5	140	<0.5	<0.5	31	10	18	10	<2.0	45	<2 5	<1 0	<2.5	30	79	0.061
Area 3-C	<2.5	2.6	800	<0.5	1.1	24	8.5	18	190	<2.0	37	<2.5	<1.0	<2 5	26	730	0.29
Area 4-A	<2.5	21	140	<0.5	3.5	24	6.7	390	110	<2.0	31	<2.5	<1.0	<2.5	25	260	0.48
Area 4-B	<2 5	<2 5	39	<0.5	<0.5	8.4	2.4	5.5	<3 0	<2.0	12	<2.5	<1.0	<2 5	7.9	14	0.2
Area 4-C	<2 5	<2.5	220	<0.5	<0.5	25	7.1	13	4.2	<2.0	36	<2.5	<1.0	<2 5	23	33	0.076

SOLUBLE ANALYSIS

SAMPLE ID	STLC Copper (mg/kg)	STLC Lead (mg/kg)	TCLP Lead (mg/kg)
Area 3-A	NA	11	<0.2
Area 3-C	NA	1.3	NA
Area 4-A	0.17	0.65	<0.2

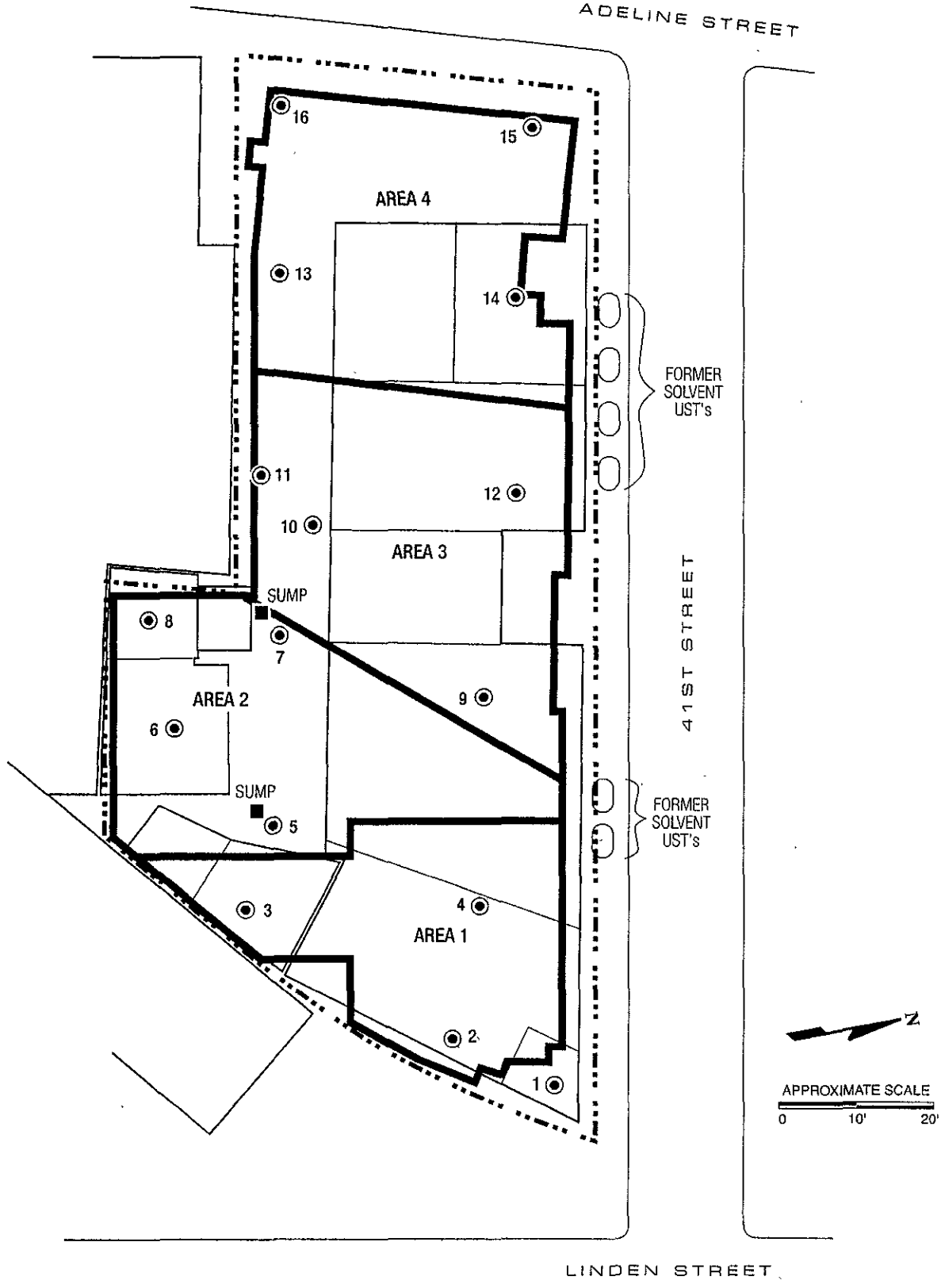
Notes:

NA = Not analyzed
<# = analyte not detected at or above the indicated laboratory method reporting limit
mg/kg = milligrams per kilogram
Sampling date: November 4 and 5, 2002
Area 1-A=Composite of samples B-1@1', B-2@3', B-3@3', and B-4@3'
Area 1-B = Composite of samples B-1@5', B-2@6', B-3@7', B-4@6'
Area 1-C = Composite of samples B-1@11', B-2@9', B-3@9', B-4@10'
Area 2-A = Composite of samples B-5@3', B-6@3', B-7@2', and B-8@3'
Area 2-B = Composite of samples B-5@6', B-6@6', B-7@4', and B-8@5'
Area 2-C = Composite of samples B-5@9', B-6@9', B-7@8', and B-8@9'
Area 3-A = Composite of samples B-9@1', B-10@3', B-11@2', and B-12@3'
Area 3-B = Composite of samples B-9@6', B-10@6', B-11@7', and B-12@7'
Area 3-C = Composite of samples B-9@10', B-10@9', B-11@10', and B-12@13'
Area 4-A = Composite of samples B-13@2', B-14@3', B-15@3', and B-16@3'
Area 4-B = Composite of samples B-13@5', B-14@7', B-15@6', and B-16@6'
Area 4-C = Composite of samples B-13@8', B-14@13', B-15@10', and B-16@9'

APPENDIX C

Clayton GROUP SERVICES

FIGURE



LEGEND	SITE PLAN SHOWING THE EXCAVATION AREA Former Dunne Paints 1007 41st Street, Oakland and 4050 Adeline Street, Emeryville, California Clayton Project No.: 70-03365.01	Figure 4 12/11/02	Clayton GROUP SERVICES
Property Boundary Excavation Boundary			

70-03365.01/TechGraphic

APPENDIX D

HEALTH RISK ASSESSMENT

Health Risk Assessment
Green City Lofts
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LIST OF ABBREVIATIONS AND ACRONYMS

atm	atmosphere
ARARs	Applicable Or Relevant And Appropriate Requirements
ARB	Air Resources Board
bgs	below ground surface
Cal/EPA	California Environmental Protection Agency
cm^2	centimeter square
COPC	compound of potential concern
d	day
ED	exposure duration
EPC	exposure point concentration
g	grams
HI	Hazard Index
HQ	Hazard Quotient
HRA	Health Risk Assessment
IRAs	interim removal actions
J&E	Johnson and Ettinger
kg	kilogram
m^3	cubic meter
µg	microgram
$\mu g/L$	micrograms per liter
mg	milligram
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
OEHHA	Office of Environmental Health Hazard Assessment
PRG	preliminary remediation goal
RAGS	Risk Assessment Guidance for Superfund
RfC	reference concentration
RI	remedial investigation
SF	slope factor
SVOC	semi-volatile organic chemical
μg	microgram
$\mu g/l$	micrograms per liter
UCL	upper confidence limit
URF	Unit Risk Factor
VOC	volatile organic compound

1.0 INTRODUCTION

A health risk assessment (HRA) was requested by the Alameda County Environmental Health Department in order to evaluate the potential risk to human health posed by chemicals that may have been released into the environment at the former Dunne Paints Facility, 1007 41st Street, Oakland/Emeryville and 4050 Adeline Street, Emeryville, California (hereunder referred to as the "Site"). It is proposed that the subject property be developed into residential condominiums following a site investigation, a health risk assessment, and an evaluation of the need for interim remediation. This HRA Report contains the methods and findings of the HRA conducted for the Site.

This HRA was conducted primarily using the procedures detailed in the California Environmental Protection Agency (Cal/EPA) document entitled *Supplemental Guidance for Human Health Multimedia Risk Assessment of Hazardous Waste Sites and Permitted Facilities* (Cal/EPA, 1992). In addition, use of the Johnson & Ettinger model to characterize potential indoor air risks and hazards is included which is consistent with current risk practice as described in the 1995 risk-based corrective action guidance provided by the American Society for Testing and Materials (ASTM) entitled *Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites* (ASTM, 1995).

2.0 EXPOSURE & HAZARD ASSESSMENT

In order to establish the setting for potential exposures in the HRA, the Site data, and the associated exposure scenarios and pathways are described. A Site location map is provided as Clayton Figure 2-1, which indicates the location and features of the Site.

2.1 Exposure Pathways Analysis

In order to evaluate potentially complete pathways of exposure for any particular site it is essential to understand the planned use of a site. The ultimate use of the property provides a clear indication of the types of materials that will remain in place once development is complete, and the structures that will be in place both below and above ground. Clearly, any materials that are removed from the property can no longer be a source of potential exposure. The planned development of the subject Site in this HRA is residential condominium property with a parking garage constructed below the first floor of the residences extending a significant distance above grade, i.e., 11-feet. Because all contaminated material above 10.5 feet will be removed and the construction project will create a foundation and surface cap for the residences, this will eliminate all direct contact exposure pathways. Further, groundwater is not used as a source of drinking water or showering water at the Site, and is not intended for such use following residential development. Thus, it will not be possible to come into direct contact with any compounds present in soil or groundwater because it will not be possible to contact the soil or groundwater.

As such, the only potentially complete exposure pathway might be inhalation of volatile organic compounds (VOCs) present in residual soil or groundwater, following construction that could volatilize and enter indoor air. This type of potential exposure is known as an indirect exposure pathway. In summary, the Site will be re-graded and all material at or above 10.5 feet will be removed before the foundation is poured. Residual materials that are 10.5 feet or more below ground surface, and the groundwater beneath the new foundation that may contain VOCs are the only sources of exposure and are therefore evaluated in this HRA. A summary of the potentially complete exposure pathways for Site is provided in Figure 2-2 in light of the current development planned for the property.

2.2 Data Summary and Site Status

In November 2002, Clayton collected discrete soil and groundwater samples as part of the Environmental Site Assessment for the Site. The data are provided in the Phase II Environmental Site Assessment Report to which this HRA is attached. Summaries of the maximum reported concentration data for analytes in soil and groundwater onsite are presented in Tables 2-1 and 2-2, respectively. The tables indicate that several VOCs were detected in groundwater, but only naphthalene was detected in soil. Boring data indicate that the soil type is predominantly clay, and that the depth to groundwater varies across the Site. As a health protective measure, only the maximum detected concentrations for each compound were used in the HRA, and are those reported in the Tables 2-1 and 2-2. The data used in this HRA are included in the Phase II Environmental Site Assessment Report, to which this HRA is attached.

3.0 QUANTIFICATION OF RISKS AND HAZARDS

This evaluation provides a health-protective quantification of risk and hazard. The quantification process involves estimation of indoor air concentrations and subsequent calculation of risk and hazard for volatile organic compounds using the Johnson and Ettinger (J&E) heuristic model as described in the following sections.

3.1 Johnson and Ettinger Screening Model Methodology

As a conservative estimation, the Johnson and Ettinger (J&E) screening models were used, i.e., SLSCREEN to assess the indoor air impacts of VOCs detected in soil, and GWSCREEN to assess the indoor air impacts of VOCs in groundwater. These J&E models provide screening-level calculations that incorporate both diffusive and convective transport mechanisms to estimate the concentration of VOCs in indoor air (U.S. EPA, 1997a). The model predicts the intrusion of VOCs from the soil beneath the building foundation into indoor air using steady state, one-dimensional, diffusion and convective velocity assumptions. For the purpose of this evaluation, the maximum detected soil and groundwater VOC concentrations were used.

The values for the modeling parameters used for this assessment are presented in Table 3-1. The values are essentially unchanged from the conservative default values specified for the model, except for the use of site-specific soil type and depths below ground surface (following construction re-grading) to soil and groundwater contamination.

3.1.1 Exposure Point Concentrations

Analysis of potential health impacts requires the identification of representative concentrations in exposure media to which a receptor may be exposed in accordance with *Supplemental Guidance for Human Health Multimedia Risk Assessment of Hazardous Waste Sites and Permitted Facilities* (Cal/EPA, 1992). These concentrations are referred to as exposure point concentrations (EPCs). For this HRA, the EPCs selected were the maximum concentrations of VOCs detected in soil and groundwater. The depth to the maximum concentration was not the detection depth, but rather the distance to the maximum

detected VOCs following installation of a foundation. This is a health protective assumption for one essential reason. That is, the presence of a parking garage makes the depth below grade to the water table greater than the distance assumed for modeling purposes. The height of the parking garage and the dispersion of VOCs in outside air is not considered to occur and therefore the concentrations of VOCs in indoor air are likely to be much less than the model predicts.

3.1.2 Exposure Parameters

As stated previously, the parameters for both SLCSREEN and GWSCREEN were default selections, except for the soil type used in SLSCREEN. The list of parameters is provided in Table 3-1. Because the most health protective use of the Site is residential, the exposure duration was left at 30 years, and the exposure frequency at 350 days per year. In addition, the physical and chemical properties of the vadose zone were left as the default values rather than site-specific data, which are less conservative.

4.0 TOXICITY ASSESSMENT

The hierarchy of state and federal documentation containing toxicity used for this HRA is as follows:

- *Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values* (Cal/EPA, 2002)
- *Integrated Risk Information Systems* (IRIS) (U.S. EPA, 2000)
- *U.S. EPA Region 9, Preliminary Remediation Goals* (PRGs) (U.S. EPA, 2002)

The identification of a compound as possessing carcinogenic (cancer causing) and/or noncarcinogenic (noncancer causing) properties is the sole discretion of the federal and state regulatory authorities. The designation of cancer and/or noncancer properties is quantitatively expressed as a Unit Risk Factor (URF) and a Reference Concentration (RfC), respectively. The URF and RfC values are generated by federal and state regulatory agencies and are collectively known as toxicity criteria.

Table 4-1 contains a list of the toxicity criteria used for the risk and hazard analysis in the Johnson and Ettinger groundwater model in this HRA. It is noted here that the cancer toxicity criterion used in the Johnson and Ettinger model is the Unit Risk Factors (in this case, only benzene is a carcinogen), and Reference Concentrations for noncarcinogens.

It is noted here that Total Petroleum Hydrocarbons (TPH) as a group are not considered by the U.S. EPA or by Cal/EPA to pose a threat to public health, and are therefore not evaluated using risk assessment methodology. The chemical structure of TPH is a combination of long and short chain hydrocarbons in addition to individual constituents such as benzene, toluene, ethylbenzene, and xylenes (BTEX). There are no federal or California State toxicity criteria for long and short chain hydrocarbons, however BTEX compounds are considered to have potential impacts to public health, and as such have associated toxicity criteria and are therefore included in this HRA. As indicated previously, the toxicity criteria selected for this HRA were taken from State of California and U.S. EPA sources, and the references for those criteria are cited above.

TABLE 4-1. Toxicity Criteria

Chemical	Unit Risk Factor (URF) $(\mu g/m^3)^{-1}$	Reference Concentration $(\mu g/m^3)$
1,2,4-Trimethylbenzene	NA	2.4E+00
Benzene	2.9E-05	6.0E-02
Carbon disulfide	NA	7.0E-01
Ethylbenzene	NA	1.0E+00
Cumene (isopropylbenzene)	NA	3.9E-01
Naphthalene	NA	9.0E-03
n-Butylbenzene	NA	1.0E-02
n-Propylbenzene	NA	1.0E-02
sec-Butylbenzene	NA	1.0E-02
t-Butylbenzene	NA	1.0E-02
Toluene	NA	3.0E-01
Xylenes	NA	7.0E-01

Note:
NA = not applicable

5.0 RISK CHARACTERIZATION

5.1 Summary of Results

Estimated potential cancer risks and noncancer hazards for the residential exposure scenario based on VOCs detected in soils are provided in Table 5-1. Sample data and calculations for naphthalene, which was the only compound detected in soil at a depth of greater than 10-feet, using the J&E model are provided in Attachment A; Tables A-1 and A-2, respectively. Estimated potential noncancer hazards and cancer risks based on VOCs in groundwater are presented in Table 5-2. Sample data and calculations for sec-butylbenzene detected in groundwater using the J&E model are provided in Attachment B; Tables B-1 and B-2, respectively. A summary of the combined results for soil and groundwater is presented in Table 5-3.

5.2 Discussion of Results

The noncancer results are expressed as a Hazard Index (HI). The HI is a sum of the individual Hazard Quotients (HQs) estimated for each of the individual compounds. Cancer risk results are expressed as the sum of the individual cancer risks. In this HRA there is only one compound with cancer causing properties i.e., benzene, therefore only one cancer risk was estimated.

The results of the assessment for soil indicate that naphthalene was the only compound of concern. Using the maximum concentration, the total Hazard Index was 2.23E-04 (0.000223). As indicated in Section 4.0, naphthalene does not have carcinogenic properties, thus a carcinogenic risk was not estimated.

Groundwater results indicate a total carcinogenic risk of 4.34E-07 attributable to benzene, which is the only carcinogen in the list of compounds detected in groundwater. The total Hazard Index for the compounds in groundwater was estimated to be 5.43E-02 (0.0543).

The combined soil and groundwater risk and Hazard Index for was therefore estimated to be 4.34E-07 and 5.45E-02 (0.0545), respectively. These results indicate that neither the carcinogenic risk, nor noncarcinogenic Hazard Index, exceed the *de minimus* levels of 1.0E-06 or unity (1), respectively. These values are typically taken to be levels that are acceptable for risk management decision-making regarding

residential property use. This is in accord with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) under which a cancer risk of 1×10^{-6} is considered "the point of departure for determining remediation goals for alternatives when ARARs are not available or are not sufficiently protective because of the presence of multiple contaminants at a site or multiple pathways of exposure" (U.S. EPA, 1980). For noncarcinogenic effects, CERCLA does not specify a point of departure, but it generally is appropriate to assume a Hazard Index of unity (1) (U.S. EPA, 1991). A risk level of 1×10^{-5} may be utilized as a point of departure for determining the need to establish remediation goals, as is seen in California's Proposition 65 legislation (22 CCR, Chapter 3. Safe Drinking Water and Toxic Enforcement of 1986), in which it is stated:

> *"22-12711. (a) (1). Where a state or federal agency has developed a regulatory level for a chemical known to the state to cause cancer which is calculated to result in not more than one excess case of cancer in an exposed population of 100,000, such level shall constitute the no significant risk level."*

Under this premise, the results of this HRA process have been used to describe a potential risk significantly less than one excess cancer risk in 100,000 exposed persons. Additionally, with respect to non-carcinogenic hazard estimates, the regulatory decision-making point of departure is generally unity (1), at both the federal and state level.

5.3 Uncertainties

As indicated in Section 2.1, there will be no direct exposure pathways to soil or groundwater at the Site following completion of the residential condominium project, because all contaminated material above 10.5 feet will be removed, and a foundation and surface cap will eliminate all direct contact exposure pathways. Therefore, the only potentially complete exposure pathway remaining is likely to be exposure to VOCs in indoor air.

The risk evaluation results in this HRA indicate that the indoor air pathway, based on a groundwater source, was the only pathway for which a significant risk or hazard may exist. Direct exposures to VOCs in groundwater onsite are not likely to be complete due to the depth to groundwater, and the fact that groundwater is not used for potable purposes at this Site.

Inhalation of VOCs in indoor air as the sole exposure route was evaluated using maximum concentrations in soil and groundwater as a health protective measure. To quantify potential indoor air impacts, the SLSCREEN and GWSCREEN versions of the J&E model were used. The assumptions used in these models tend to be health-protective and may have a tendency to overestimate true conditions. While modifications to parameters such as exposure duration are permitted, there are others to which the model is sensitive that affect the result in a conservative manner. For example, the J&E model requires information regarding soil type. In this case, one continuous layer of clay was assumed to exist throughout the modeled soil column. This oversimplification, coupled with the presence of a parking garage between the foundation and the floor of the condominium residences, may result in modeled concentrations of VOCs that exceed true and actual indoor air concentration of VOCs. This in turn tends to overestimate predicted potential health impacts.

Because the results of this HRA do not exceed *de minimus* levels, the overestimation as subsumed in the risk estimation process can effectively be disregarded, and decision regarding the property use can reflect the health protective risk and hazard estimates.

6.0 REFERENCES

American Society for Testing and Materials (ASTM). 1995. *Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites.* (Standard Guide) E 1739-95. November.

California Environmental Protection Agency (Cal/EPA). 1992. *Supplemental Guidance for Human Health Multimedia Risk Assessment of Hazardous Waste Sites and Permitted Facilities.* Department of Toxic Substances Control. July.

——. 2002. *Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values.* March, http//:www.arb.ca.gov/toxics/healthval/healthval.htm

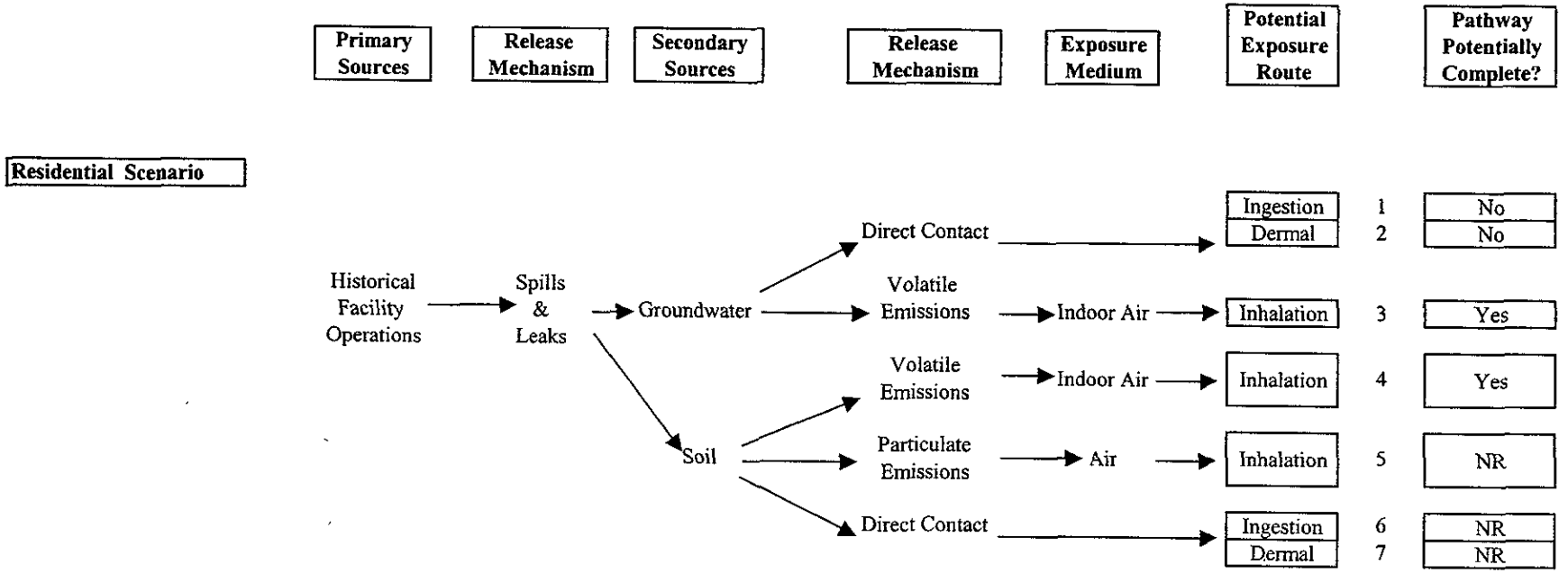
U. S. Environmental Protection Agency (U.S. EPA) 1980. The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) (40 CFR 300 §300.430[e][2i]).

____. 1997a. *User's Guide for the Johnson and Ettinger (1991) Model for Subsurface Vapor Intrusion Into Buildings.* Prepared by Environmental Quality Management, Inc. for E.H. Pechan & Associates, Inc. and submitted to the U.S. EPA.

. 2000. *Integrated Risk Information Systems* (IRIS). Washington, D.C.

____. 2002. *U.S. EPA Region 9 Preliminary Remediation Goals.* Washington, D.C. November 1.

Figure 2-2
Exposure Pathways Analysis



Pathway Notes:

1 Groundwater is not a source of drinking water
2 Groundwater is not a source of showering water
3 Volatile Organic Compounds (VOCs) in groundwater may enter indoor air
4 Volatile Organic Compounds (VOCs) in residual soil may enter indoor air
5 NR = not relevant because VOCs are the only compounds of concern
6 NR = not relevant because VOCs are the only compounds of concern, and the site will be covered with a permanent cap, post-remediation
7 NR = not relevant because VOCs are the only compounds of concern, and the site will be covered with a permanent cap, post-remediation

Table 2-1
Compounds Detected in Soil
Volatile Organic Compounds

CAS No.	Chemical	Maximum Soil Concentration (µg/kg)	Depth BGS (cm)	Total Samples	Detects	Percent Detection
91203	Naphthalene	3200	183	9	3	33%

Notes:
CASN = Chemical Abstract Series Number
BGS=below ground surface
cm=centimeter
µg/kg=microgram per kilogram

16 feet = 6 feet left

Table 2-2
Compounds Detected in Groundwater
Volatile Organic Compounds

CAS No.	Chemical	Maximum Groundwater Concentration (µg/L)	Depth BGS (cm)	Total Samples	Detects	Percent Detection
95636	1,2,4-Trimethylbenzene	6.5	122	4	1	25%
71432	Benzene	63	122	4	1	25%
75150	Carbon disulfide	1.5	122	4	1	25%
100414	Ethylbenzene	21	122	4	1	25%
98828	Cumene (isopropylbenzene)	120	122	4	1	25%
91203	Naphthalene	38	122	4	2	50%
104518	n-Butylbenzene	47	122	4	1	25%
103651	n-Propylbenzene	210	122	4	1	25%
135988	sec-Butylbenzene	52	122	4	1	25%
98066	t-Butylbenzene	5.3	61	4	2	50%
108883	Toluene	13	122	4	2	50%
1330207	Xylenes	26	122	4	1	25%

Notes:
CASN = Chemical Abstract Series Number
BGS=below ground surface
cm=centimeter
µg/L=microgram per liter

14 feet = 4 feet left
12 feet = 2 feet left

Table 3-1
Johnson & Ettinger Parameters
Residential Scenario

Parameter	Value Selected
Contaminant concentration	Maximum detected concentration
Depth to bottom of floor	15 cm (default)
Depth to contamination	Minimum depth to soil VOC 488 cm Minimum depth to groundwater VOCs[1] 427 cm
Average soil and groundwater temperature	10 degrees Celcius
Soil Type	*Site specific*, clay
Vadose zone soil dry bulk density	1.5 g/cm3 (default)
Vadose zone soil total porosity	0.43 unitless (default)
Vadose zone soil water-filled porosity	0.3 cm3/cm3 (default)
Vadose zone soil organic carbon fraction	0.002 unitless (default)
Averaging time for carcinogens	70 years (default)
Averaging time for noncarcinogens	30 years (default)
Exposure Duration; residential	30 years (default)
Exposure frequency; residential	350 days (default)

Notes:
cm = centimeter
cm3/cm3 = cubic centimeter per cubic centimeter
g/cm3 = grams per cubic centimeter
[1] groundwater depth for t-butylbenzene was 274 cm

Table 5-1
Johnson and Ettinger Results For Indoor Air
Volatile Organic Compounds
Residential Scenario
Soil Source

CAS No.	Chemical	Incremental Risk	Hazard Quotient	Maximum Soil Concentration (µg/kg)	Depth BGS (cm)	SCS Soil Type
91203	Naphthalene	NA	2.23E-04	3200	183	C
	TOTALS	**NA**	**2.23E-04**			

Notes:
CASN = Chemical Abstract Series Number
BGS=below ground surface
SCS=Soil Conservation Service
cm=centimeter
µg/kg=microgram per kilogram
C = clay

Table 5-2
Johnson and Ettinger Results For Indoor Air
Volatile Organic Compounds
Residential Scenario
Groundwater Source

CAS No.	Chemical	Incremental Risk	Hazard Quotient	Maximum Groundwater Concentration (µg/l)	Depth BGS (cm)	SCS Soil Type
95636	1,2,4-Trimethylbenzene	NA	8.73E-07	6.5	122	C
71432	Benzene	4.34E-07	5.82E-04	63	122	C
75150	Carbon disulfide	NA	7.29E-06	1.5	122	C
100414	Ethylbenzene	NA	1.28E-05	21	122	C
98828	Cumene (isopropylbenzene)	NA	2.04E-02	120	122	C
91203	Naphthalene	NA	1.72E-04	38	122	C
104518	n-Butylbenzene	NA	2.88E-03	47	122	C
103651	n-Propylbenzene	NA	1.53E-02	210	122	C
135988	sec-Butylbenzene	NA	5.14E-03	52	122	C
98066	t-Butylbenzene	NA	1.29E-03	6.4	61	C
108883	Toluene	NA	2.57E-05	13	122	C
1330207	Xylenes	NA	8.45E-03	26	122	C
	TOTALS	**4.34E-07**	**5.43E-02**			

Notes:
CASN = Chemical Abstract Series Number
BGS=below ground surface
SCS=Soil Conservation Service
cm=centimeter
µg/L=microgram per liter
C = clay

Table 5-3
Johnson and Ettinger Results For Indoor Air
Volatile Organic Compounds
Residential Scenario
Total Risk and Hazard Summary

Groundwater

CAS No.	Chemical	Incremental Risk	Hazard Quotient	Maximum Groundwater Concentration (µg/l)	Depth BGS (cm)	SCS Soil Type
95636	1,2,4-Trimethylbenzene	NA	8.73E-07	6.5	122	C
71432	Benzene	4.34E-07	5.82E-04	63	122	C
75150	Carbon disulfide	NA	7.29E-06	1.5	122	C
100414	Ethylbenzene	NA	1.28E-05	21	122	C
98828	Cumene (isopropylbenzene)	NA	2.04E-02	120	122	C
91203	Naphthalene	NA	1.72E-04	38	122	C
104518	n-Butylbenzene	NA	2.88E-03	47	122	C
103651	n-Propylbenzene	NA	1.53E-02	210	122	C
135988	sec-Butylbenzene	NA	5.14E-03	52	122	C
98066	t-Butylbenzene	NA	1.29E-03	6.4	61	C
108883	Toluene	NA	2.57E-05	13	122	C
1330207	Xylenes	NA	8.45E-03	26	122	C
	Subtotal	**4.34E-07**	**5.43E-02**			

Soil

CAS No.	Chemical	Incremental Risk	Hazard Quotient	Maximum Soil Concentration (µg/kg)	Depth BGS (cm)	SCS Soil Type
91203	Naphthalene	NA	2.23E-04	3200	183	C
	Subtotal	**NA**	**2.23E-04**			

Groundwater and Soil Sum

	Incremental Risk	Hazard Quotient
TOTAL	**4.34E-07**	**5.45E-02**

Notes:
CASN = Chemical Abstract Series Number
BGS=below ground surface
SCS=Soil Conservation Service
cm=centimeter
µg/L=microgram per liter
µg/kg=microgram per kilogram
C = clay

ATTACHMENT A

JOHNSON & ETTINGER
SAMPLE DATA AND CALCULATIONS
SOIL

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

VERSION 1.2
September, 1998

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION
(enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
91203	3200	Naphthalene

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	183	10	C		

ENTER Vadose zone soil dry bulk density, r_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^v (unitless)	ENTER Vadose zone soil water-filled porosity, q_w^v (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^v (unitless)
1.5	0.43	0 3	0.002

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	30	30	350	1.0E-06	1
				Used to calculate risk-based soil concentration.	

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, q_a^v (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (mg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
473	0.130	0.641	7.41E-10	0.599	4.44E-10	3,844	3200	5.63E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, h (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. groundwater temperature, $DH_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, m_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_v (cm^2/s)	Diffusion path length, L_d (cm)
9.24E+05	4 16E-04	15	12,913	1.52E-04	6 55E-03	1.75E-04	4 70E-04	473

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (mg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, a (unitless)	Infinite source bldg. conc., $C_{building}$ (mg/m^3)
15	4.00E+00	4 99E+03	0.10	4 28E-01	4.70E-04	3.84E+02	2.94E+15	5.18E-06	2 59E-02

Unit risk factor, URF $(mg/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
NA	1.4E-01

ATTACHMENT B

JOHNSON & ETTINGER
SAMPLE DATA AND CALCULATIONS
GROUNDWATER

DATA ENTRY SHEET

CALCULATE RISK-BASED GROUNDWATER CONCENTRATION (enter "X" in "YES" box)

VERSION 1.2
September, 1998

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL GROUNDWATER CONCENTRATION
(enter "X" in "YES" box and initial groundwater conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial groundwater conc., C_W (µg/L)	Chemical
1330207	26	xylene

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to water table, L_{WT} (cm)	ENTER SCS soil type directly above water table	ENTER Average soil/ groundwater temperature, T_S (°C)
15	122	C	10

ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)	ENTER Vadose zone soil dry bulk density, r_b^V (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, q_w^V (cm^3/cm^3)
C			1.5	0.43	0.3

ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)	ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
1.0E-06	1	70	30	30	350

Used to calculate risk-based groundwater concentration.

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, q_a^v (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Thickness of capillary zone, L_{cz} (cm)	Total porosity in capillary zone, n_{cz} (cm^3/cm^3)	Air-filled porosity in capillary zone, $q_{a,cz}$ (cm^3/cm^3)	Water-filled porosity in capillary zone, $q_{w,cz}$ (cm^3/cm^3)	Floor-wall seam perimeter, X_{crack} (cm)
107	0.130	0.641	7.41E-10	0.599	4.44E-10	81.52	0.43	0.067	0.363	3,844

Bldg. ventilation rate, $Q_{building}$ (cm^3/s)	Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, h (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. groundwater temperature, $DH_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, m_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_v (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)
5.63E+04	9 24E+05	4.16E-04	15	10,255	2.92E-03	1.26E-01	1 75E-04	4.24E+00	4.77E-01	6.05E-01

Diffusion path length, L_d (cm)	Convection path length, L_p (cm)	Source vapor conc., C_{source} (mg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, a (unitless)	Infinite source bldg. conc., $C_{building}$ (mg/m^3)	Unit risk factor, URF $(mg/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
107	15	3.27E+03	0.10	4 28E-01	4.24E+00	3.84E+02	1.00E+00	1.89E-03	6.17E+00	NA	7.0E-01

APPENDIX E

LABORATORY ANALYTICAL DATA SHEETS

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http://www.mccampbell.com E-mail: main@mccampbell.com

Clayton Group Services 6920 Koll Center Pkwy, Ste. 216 Pleasanton, CA 94566	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
		Date Received: 11/06/02
	Client Contact: Jesse Edmonds	Date Reported: 11/13/02
	Client P.O.:	Date Completed: 11/20/02

WorkOrder: 0211094

November 20, 2002

Dear Jesse:

Enclosed are:

1). the results of **28** analyzed samples from your **#70-03365.01; Green City Lofts project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone · 925-798-1620 Fax · 925-798-1622
http://www mccampbell com E-mail. main@mccampbell.com

Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/07/02-11/13/02

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0211094

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
0211094-001A	Area 1-A	S	5 3,e	1	97.4
0211094-001B	B-3@3'	S	ND	1	99.9
0211094-002A	Area 1-B	S	5.8,e	1	---#
0211094-002B	B-2@6'	S	94,e	1	99.3
0211094-003A	Area 1-C	S	120,e	1	81.9
0211094-003B	B-1@11'	S	ND	1	116
0211094-003C	B-4@10'	S	74,e	10	115
0211094-004A	Area 2-A	S	75,e	20	101
0211094-004B	B-5@3'	S	ND	1	117
0211094-005A	Area 2-B	S	83,e	20	104
0211094-005B	B-7@4'	S	250,e	20	99.7
0211094-005C	B-8@5'	S	230,e,m	1	112
0211094-006A	Area 2-C	S	160,e,m	1	114
0211094-006B	B-6@9'	S	440,e	20	95.6
0211094-007A	Area 3-A	S	440,e	10	112
0211094-007B	B-12@3'	S	ND	1	118
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	
		S	1.0	mg/Kg	

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/L

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?), c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?, e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible,sheen/product is present; i) liquid sample that contains greater than ~2 vol % sediment, j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCampbell Analytical Inc.
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Telephone . 925-798-1620 Fax . 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/07/02-11/13/02

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0211094

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
0211094-008A	Area 3-B	S	1800,e	200	117
0211094-008B	B-9@6'	S	6.2,e	1	105
0211094-008C	B-10@6'	S	3600,e	200	109
0211094-009A	Area 3-C	S	590,e	200	105
0211094-009B	B-11@10'	S	1800,e	200	93.2
0211094-010A	Area 4-A	S	23,e	1	---#
0211094-010B	B-14@3'	S	ND	1	119
0211094-010C	B-16@3'	S	7 4,e	1	119
0211094-011A	Area 4-B	S	4 8,e	1	109
0211094-012A	Area 4-C	S	430,e	20	90.8
0211094-013A	B-2@16'	S	210,e,m	1	85 9
0211094-014A	B-3@13'	S	250,e,m	1	---#
0211094-015A	B-5@13'	S	180,e,m	1	91.3
0211094-016A	B-7@12'	S	130,e	1	87.4
0211094-017A	B-7@23'	S	18,e	1	118
0211094-018A	B-8@17'	S	130,e,m	1	83 5
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	
		S	1.0	mg/Kg	

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant, biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant, h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content, k) TPH pattern that does not appear to be derived from gasoline (aviation gas), m) no recognizable pattern

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/07/02-11/13/02

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods SW8021B/8015Cm Work Order: 0211094

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
0211094-019A	B-9@14'	S	530,e,m	10	---#
0211094-020A	B-10@9"	S	380,e	100	92.0
0211094-021A	B-10@25'	S	ND	1	103
0211094-022A	B-11@3'	S	2500,e	200	93.7
0211094-023A	B-11@16'	S	2100,e	100	95.4
0211094-024A	B-13@14'	S	400,e	20	101
Reporting Limit for DF =1, ND means not detected at or above the reporting limit		W	NA	NA	
		S	1.0	mg/Kg	

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant, b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present, g) strongly aged gasoline or diesel range compounds are significant, h) lighter than water immiscible sheen/product is present, i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

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Clayton Group Services 6920 Koll Center Pkwy, Ste. 216 Pleasanton, CA 94566	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02
		Date Received: 11/06/02
	Client Contact: Jesse Edmonds	Date Extracted: 11/14/02
	Client P.O.:	Date Analyzed: 11/14/02

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0211094

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
025A	B-12	W	9200,a,e,h,i	10	---#
026A	B-14	W	170,000,e,h	20	---#
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W		50		µg/L
	S		NA		NA

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

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Clayton Group Services 6920 Koll Center Pkwy, Ste. 216 Pleasanton, CA 94566	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
		Date Received: 11/06/02
	Client Contact: Jesse Edmonds	Date Extracted: 11/09/02-11/14/02
	Client P.O.:	Date Analyzed: 11/09/02-11/14/02

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method SW5030B Analytical methods: SW8015Cm Work Order 0211094

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
027A	B-15	W	4000,e,h,i	10	99.1
028A	B-16	W	150,000,g,m,h,i	10	83.3
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50		µg/L	
	S	NA		NA	

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/06/02-11/13/02

Diesel (C10-C23), Oil (C18+) Range, Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0211094

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0211094-001A	Area 1-A	S	2.5,d	ND	1	99.1
0211094-001B	B-3@3'	S	ND	ND	1	98.6
0211094-002A	Area 1-B	S	3 5,d	ND	1	99 2
0211094-002B	B-2@6'	S	160,n	ND	1	79.8
0211094-003A	Area 1-C	S	18,n	ND	1	91.3
0211094-003B	B-1@11'	S	ND	ND	1	88.6
0211094-003C	B-4@10'	S	52,n	ND	1	87 7
0211094-004A	Area 2-A	S	32,n	ND	1	---#
0211094-004B	B-5@3'	S	ND	ND	1	89 3
0211094-005A	Area 2-B	S	99,n	ND	1	112
0211094-005B	B-7@4'	S	120,n	5.5	1	104
0211094-005C	B-8@5'	S	130,n	ND	1	---#
0211094-006A	Area 2-C	S	54,n	ND	1	104
0211094-006B	B-6@9'	S	38,n	ND	1	108
0211094-007A	Area 3-A	S	730,n	ND<500	100	---#
0211094-007B	B-12@3'	S	1.6,b	ND	1	106
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	50	µg/L	
		S	1.0	1.0	mg/Kg	

* water and vapor samples are reported in µg/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts in µg/L

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel, f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil, n) stoddard solvent / mineral spirit.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/06/02-11/13/02

Diesel (C10-C23), Oil (C18+) Range, Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0211094

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0211094-008A	Area 3-B	S	570,d	ND<500	100	---#
0211094-008B	B-9@6'	S	4.8,n	ND	1	113
0211094-008C	B-10@6'	S	3500,n	ND<25	5	---#
0211094-009A	Area 3-C	S	730,n	ND<50	10	95 5
0211094-009B	B-11@10'	S	720,n	ND<100	20	116
0211094-010A	Area 4-A	S	68,n,g	110	20	73 3
0211094-010B	B-14@3'	S	9.4,g	24	1	86.7
0211094-010C	B-16@3'	S	6.0,d,g	28	5	96.8
0211094-011A	Area 4-B	S	2.8,n,g	8.0	1	106
0211094-012A	Area 4-C	S	71,n	ND<10	2	126
0211094-013A	B-2@16'	S	13,n	ND	1	103
0211094-014A	B-3@13'	S	37,n	ND	1	109
0211094-015A	B-5@13'	S	21,n	ND	1	109
0211094-016A	B-7@12'	S	76,n	ND	1	105
0211094-017A	B-7@23'	S	7.0,n	ND	1	104
0211094-018A	B-8@17'	S	40,n	ND	1	118
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	50		µg/L
		S	1.0	1.0		mg/Kg

* water and vapor samples are reported in µg/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts in µg/L

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern, c) aged diesel? is significant), d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel, f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent / mineral spirit.

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Clayton Group Services 6920 Koll Center Pkwy, Ste. 216 Pleasanton, CA 94566	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
		Date Received: 11/06/02
	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/06/02-11/13/02

Diesel (C10-C23), Oil (C18+) Range, Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0211094

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0211094-019A	B-9@14'	S	100,n	ND	1	127
0211094-020A	B-10@9"	S	220,n	ND	1	107
0211094-021A	B-10@25'	S	1.1,b	ND	1	101
0211094-022A	B-11@3'	S	4300,n	ND<500	100	---#
0211094-023A	B-11@16'	S	510,n	51	5	97.1
0211094-024A	B-13@14'	S	160,n	ND	1	---#
0211094-025B	B-12	W	17,000,n,h,i	260	1	---#
0211094-026B	B-14	W	220,000,n,h	ND<25,000	100	---#
0211094-027B	B-15	W	16,000,n,h,i	ND	1	---#
0211094-028B	B-16	W	1,200,000,n,i	ND<25,000	100	---#
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	50	µg/L	
		S	1.0	1.0	mg/Kg	

* water and vapor samples are reported in µg/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts in µg/L

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent / mineral spirit.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/07/02-11/09/02

Diesel (C10-C23), Kerosene (C9-C18) and Oil (C18+) Range Extractable Hydrocarbons as Diesel, Kerosene and Motor Oil*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0211094

Lab ID	Client ID	Matrix	TPH(d)	TPH(k)	TPH(mo)	DF	% SS
025B	B-12	W	17,000,n,h,i	---	260	1	---#
026B	B-14	W	220,000,n,h	---	ND<25,000	100	---#
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	50	250		µg/L
		S	NA	NA	NA		mg/Kg

* water and vapor samples are reported in µg/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts in µg/L

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or, surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

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Clayton Group Services 6920 Koll Center Pkwy, Ste. 216 Pleasanton, CA 94566	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
		Date Received: 11/06/02
	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/07/02-11/08/02

Diesel (C10-C23), Kerosene (C9-C18) and Oil (C18+) Range Extractable Hydrocarbons as Diesel, Kerosene and Motor Oil*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0211094

Lab ID	Client ID	Matrix	TPH(d)	TPH(k)	TPH(mo)	DF	% SS
027B	B-15	W	16,000,n,h,i	---	ND	1	---#
028B	B-16	W	1,200,000,n,i	---	ND<25,000	100	---#

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	50	250	µg/L
	S	NA	NA	NA	mg/Kg

* water and vapor samples are reported in µg/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts in µg/L

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211094

Lab ID	0211094-001A
Client ID	Area 1-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	89.1	%SS2:	103
%SS3:	91.0		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211094

Lab ID	0211094-001B
Client ID	B-3@3'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl Iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	88.2	%SS2:	105
%SS3:	94.7		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01, Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method SW8260B Work Order: 0211094

Lab ID	0211094-002A
Client ID	Area 1-B
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl Iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1	91.9	%SS2:	105
%SS3	88.2		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol % sediment; j) sample diluted due to high organic content

DHS Certification No. 1644

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-002B
Client ID	B-2@6'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<170	2.0	50	tert-Amyl methyl ether (TAME)	ND<10	2.0	5.0
Benzene	ND<10	2.0	5.0	Bromobenzene	ND<10	2.0	5.0
Bromochloromethane	ND<10	2.0	5.0	Bromodichloromethane	ND<10	2.0	5.0
Bromoform	ND<10	2.0	5.0	Bromomethane	ND<10	2.0	5.0
2-Butanone (MEK)	ND<20	2.0	10	t-Butyl alcohol (TBA)	ND<50	2.0	25
n-Butyl benzene	ND<10	2.0	5.0	sec-Butyl benzene	ND<10	2.0	5.0
tert-Butyl benzene	ND<10	2.0	5.0	Carbon Disulfide	ND<10	2.0	5.0
Carbon Tetrachloride	ND<10	2.0	5.0	Chlorobenzene	ND<10	2.0	5.0
Chloroethane	ND<10	2.0	5.0	2-Chloroethyl Vinyl Ether	ND<10	2.0	5.0
Chloroform	ND<10	2.0	5.0	Chloromethane	ND<10	2.0	5.0
2-Chlorotoluene	ND<10	2.0	5.0	4-Chlorotoluene	ND<10	2.0	5.0
Dibromochloromethane	ND<10	2.0	5.0	1,2-Dibromo-3-chloropropane	ND<10	2.0	5.0
1,2-Dibromoethane (EDB)	ND<10	2.0	5.0	Dibromomethane	ND<10	2.0	5.0
1,2-Dichlorobenzene	ND<10	2.0	5.0	1,3-Dichlorobenzene	ND<10	2.0	5.0
1,4-Dichlorobenzene	ND<10	2.0	5.0	Dichlorodifluoromethane	ND<10	2.0	5.0
1,1-Dichloroethane	ND<10	2.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<10	2.0	5.0
1,1-Dichloroethene	ND<10	2.0	5.0	cis-1,2-Dichloroethene	ND<10	2.0	5.0
trans-1,2-Dichloroethene	ND<10	2.0	5.0	1,2-Dichloropropane	ND<10	2.0	5.0
1,3-Dichloropropane	ND<10	2.0	5.0	2,2-Dichloropropane	ND<10	2.0	5.0
1,1-Dichloropropene	ND<10	2.0	5.0	cis-1,3-Dichloropropene	ND<10	2.0	5.0
trans-1,3-Dichloropropene	ND<10	2.0	5.0	Diisopropyl ether (DIPE)	ND<10	2.0	5.0
Ethylbenzene	ND<10	2.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<10	2.0	5.0
Hexachlorobutadiene	ND<10	2.0	5.0	2-Hexanone	ND<10	2.0	5.0
Iodomethane (Methyl Iodide)	ND<10	2.0	5.0	Isopropylbenzene	ND<10	2.0	5.0
4-Isopropyl toluene	ND<10	2.0	5.0	Methyl-t-butyl ether (MTBE)	ND<10	2.0	5.0
Methylene chloride	ND<10	2.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<10	2.0	5.0
Naphthalene	25	2.0	5.0	n-Propyl benzene	ND<10	2.0	5.0
Styrene	ND<10	2.0	5.0	1,1,1,2-Tetrachloroethane	ND<10	2.0	5.0
1,1,2,2-Tetrachloroethane	ND<10	2.0	5.0	Tetrachloroethene	ND<10	2.0	5.0
Toluene	ND<10	2.0	5.0	1,2,3-Trichlorobenzene	ND<10	2.0	5.0
1,2,4-Trichlorobenzene	ND<10	2.0	5.0	1,1,1-Trichloroethane	ND<10	2.0	5.0
1,1,2-Trichloroethane	ND<10	2.0	5.0	Trichloroethene	ND<10	2.0	5.0
Trichlorofluoromethane	ND<10	2.0	5.0	1,2,3-Trichloropropane	ND<10	2.0	5.0
1,2,4-Trimethylbenzene	ND<10	2.0	5.0	1,3,5-Trimethylbenzene	ND<10	2.0	5.0
Vinyl Acetate	ND<100	2.0	50	Vinyl Chloride	ND<10	2.0	5.0
Xylenes	ND<10	2.0	5.0				

Surrogate Recoveries (%)

%SS1:	112	%SS2:	97.3
%SS3:	118		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211094

Lab ID	0211094-003A
Client ID	Area 1-C
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<130	2.0	50	tert-Amyl methyl ether (TAME)	ND<10	2.0	5.0
Benzene	ND<10	2.0	5.0	Bromobenzene	ND<10	2.0	5.0
Bromochloromethane	ND<10	2.0	5.0	Bromodichloromethane	ND<10	2.0	5.0
Bromoform	ND<10	2.0	5.0	Bromomethane	ND<10	2.0	5.0
2-Butanone (MEK)	ND<20	2.0	10	t-Butyl alcohol (TBA)	ND<50	2.0	25
n-Butyl benzene	ND<10	2.0	5.0	sec-Butyl benzene	ND<10	2.0	5.0
tert-Butyl benzene	ND<10	2.0	5.0	Carbon Disulfide	ND<10	2.0	5.0
Carbon Tetrachloride	ND<10	2.0	5.0	Chlorobenzene	ND<10	2.0	5.0
Chloroethane	ND<10	2.0	5.0	2-Chloroethyl Vinyl Ether	ND<10	2.0	5.0
Chloroform	ND<10	2.0	5.0	Chloromethane	ND<10	2.0	5.0
2-Chlorotoluene	ND<10	2.0	5.0	4-Chlorotoluene	ND<10	2.0	5.0
Dibromochloromethane	ND<10	2.0	5.0	1,2-Dibromo-3-chloropropane	ND<10	2.0	5.0
1,2-Dibromoethane (EDB)	ND<10	2.0	5.0	Dibromomethane	ND<10	2.0	5.0
1,2-Dichlorobenzene	ND<10	2.0	5.0	1,3-Dichlorobenzene	ND<10	2.0	5.0
1,4-Dichlorobenzene	ND<10	2.0	5.0	Dichlorodifluoromethane	ND<10	2.0	5.0
1,1-Dichloroethane	ND<10	2.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<10	2.0	5.0
1,1-Dichloroethene	ND<10	2.0	5.0	cis-1,2-Dichloroethene	ND<10	2.0	5.0
trans-1,2-Dichloroethene	ND<10	2.0	5.0	1,2-Dichloropropane	ND<10	2.0	5.0
1,3-Dichloropropane	ND<10	2.0	5.0	2,2-Dichloropropane	ND<10	2.0	5.0
1,1-Dichloropropene	ND<10	2.0	5.0	cis-1,3-Dichloropropene	ND<10	2.0	5.0
trans-1,3-Dichloropropene	ND<10	2.0	5.0	Diisopropyl ether (DIPE)	ND<10	2.0	5.0
Ethylbenzene	ND<10	2.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<10	2.0	5.0
Hexachlorobutadiene	ND<10	2.0	5.0	2-Hexanone	ND<10	2.0	5.0
Iodomethane (Methyl Iodide)	ND<10	2.0	5.0	Isopropylbenzene	ND<10	2.0	5.0
4-Isopropyl toluene	ND<10	2.0	5.0	Methyl-t-butyl ether (MTBE)	ND<10	2.0	5.0
Methylene chloride	ND<10	2.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<10	2.0	5.0
Naphthalene	42	2.0	5.0	n-Propyl benzene	ND<10	2.0	5.0
Styrene	ND<10	2.0	5.0	1,1,1,2-Tetrachloroethane	ND<10	2.0	5.0
1,1,2,2-Tetrachloroethane	ND<10	2.0	5.0	Tetrachloroethene	ND<10	2.0	5.0
Toluene	ND<10	2.0	5.0	1,2,3-Trichlorobenzene	ND<10	2.0	5.0
1,2,4-Trichlorobenzene	ND<10	2.0	5.0	1,1,2-Trichloroethane	ND<10	2.0	5.0
Trichloroethene	ND<10	2.0	5.0	Trichlorofluoromethane	ND<10	2.0	5.0
1,2,3-Trichloropropane	ND<10	2.0	5.0	1,2,4-Trimethylbenzene	ND<10	2.0	5.0
1,3,5-Trimethylbenzene	ND<10	2.0	5.0	Vinyl Acetate	ND<100	2.0	50
Vinyl Chloride	ND<10	2.0	5.0	Xylenes	ND<10	2.0	5.0

Surrogate Recoveries (%)

%SS1:	109	%SS2:	98.2
%SS3:	89.5		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment, j) sample diluted due to high organic content.

DHS Certification No. 1644

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method SW5030B Analytical Method: SW8260B Work Order 0211094

Lab ID	0211094-003B
Client ID	B-1@11'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl Iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	99.6	%SS2:	103
%SS3:	89.8		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-003C
Client ID	B-4@10'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<500	10	50	tert-Amyl methyl ether (TAME)	ND<50	10	5.0
Benzene	ND<50	10	5.0	Bromobenzene	ND<50	10	5.0
Bromochloromethane	ND<50	10	5.0	Bromodichloromethane	ND<50	10	5.0
Bromoform	ND<50	10	5.0	Bromomethane	ND<50	10	5.0
2-Butanone (MEK)	ND<100	10	10	t-Butyl alcohol (TBA)	ND<250	10	25
n-Butyl benzene	50	10	5.0	sec-Butyl benzene	ND<50	10	5.0
tert-Butyl benzene	ND<50	10	5.0	Carbon Disulfide	ND<50	10	5.0
Carbon Tetrachloride	ND<50	10	5.0	Chlorobenzene	ND<50	10	5.0
Chloroethane	ND<50	10	5.0	2-Chloroethyl Vinyl Ether	ND<50	10	5.0
Chloroform	ND<50	10	5.0	Chloromethane	ND<50	10	5.0
2-Chlorotoluene	ND<50	10	5.0	4-Chlorotoluene	ND<50	10	5.0
Dibromochloromethane	ND<50	10	5.0	1,2-Dibromo-3-chloropropane	ND<50	10	5.0
1,2-Dibromoethane (EDB)	ND<50	10	5.0	Dibromomethane	ND<50	10	5.0
1,2-Dichlorobenzene	ND<50	10	5.0	1,3-Dichlorobenzene	ND<50	10	5.0
1,4-Dichlorobenzene	ND<50	10	5.0	Dichlorodifluoromethane	ND<50	10	5.0
1,1-Dichloroethane	ND<50	10	5.0	1,2-Dichloroethane (1,2-DCA)	ND<50	10	5.0
1,1-Dichloroethene	ND<50	10	5.0	cis-1,2-Dichloroethene	ND<50	10	5.0
trans-1,2-Dichloroethene	ND<50	10	5.0	1,2-Dichloropropane	ND<50	10	5.0
1,3-Dichloropropane	ND<50	10	5.0	2,2-Dichloropropane	ND<50	10	5.0
1,1-Dichloropropene	ND<50	10	5.0	cis-1,3-Dichloropropene	ND<50	10	5.0
trans-1,3-Dichloropropene	ND<50	10	5.0	Diisopropyl ether (DIPE)	ND<50	10	5.0
Ethylbenzene	ND<50	10	5.0	Ethyl tert-butyl ether (ETBE)	ND<50	10	5.0
Hexachlorobutadiene	92	10	5.0	2-Hexanone	ND<50	10	5.0
Iodomethane (Methyl iodide)	ND<50	10	5.0	Isopropylbenzene	ND<50	10	5.0
4-Isopropyl toluene	ND<50	10	5.0	Methyl-t-butyl ether (MTBE)	ND<50	10	5.0
Methylene chloride	ND<50	10	5.0	4-Methyl-2-pentanone (MIBK)	ND<50	10	5.0
Naphthalene	ND<50	10	5.0	n-Propyl benzene	ND<50	10	5.0
Styrene	ND<50	10	5.0	1,1,1,2-Tetrachloroethane	ND<50	10	5.0
1,1,2,2-Tetrachloroethane	ND<50	10	5.0	Tetrachloroethene	ND<50	10	5.0
Toluene	ND<50	10	5.0	1,2,3-Trichlorobenzene	ND<50	10	5.0
1,2,4-Trichlorobenzene	ND<50	10	5.0	1,1,1-Trichloroethane	ND<50	10	5.0
1,1,2-Trichloroethane	ND<50	10	5.0	Trichloroethene	ND<50	10	5.0
Trichlorofluoromethane	ND<50	10	5.0	1,2,3-Trichloropropane	ND<50	10	5.0
1,2,4-Trimethylbenzene	ND<50	10	5.0	1,3,5-Trimethylbenzene	ND<50	10	5.0
Vinyl Acetate	ND<500	10	50	Vinyl Chloride	ND<50	10	5.0
Xylenes	ND<50	10	5.0				

Surrogate Recoveries (%)

%SS1:	99.4	%SS2:	96.2
%SS3:	78.2		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment, j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method. SW8260B | Work Order 0211094

Lab ID	0211094-004A
Client ID	Area 2-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<500	10	50	tert-Amyl methyl ether (TAME)	ND<50	10	5.0
Benzene	ND<50	10	5.0	Bromobenzene	ND<50	10	5.0
Bromochloromethane	ND<50	10	5.0	Bromodichloromethane	ND<50	10	5.0
Bromoform	ND<50	10	5.0	Bromomethane	ND<50	10	5.0
2-Butanone (MEK)	ND<100	10	10	t-Butyl alcohol (TBA)	ND<250	10	25
n-Butyl benzene	63	10	5.0	sec-Butyl benzene	ND<50	10	5.0
tert-Butyl benzene	ND<50	10	5.0	Carbon Disulfide	ND<50	10	5.0
Carbon Tetrachloride	ND<50	10	5.0	Chlorobenzene	ND<50	10	5.0
Chloroethane	ND<50	10	5.0	2-Chloroethyl Vinyl Ether	ND<50	10	5.0
Chloroform	ND<50	10	5.0	Chloromethane	ND<50	10	5.0
2-Chlorotoluene	ND<50	10	5.0	4-Chlorotoluene	ND<50	10	5.0
Dibromochloromethane	ND<50	10	5.0	1,2-Dibromo-3-chloropropane	ND<50	10	5.0
1,2-Dibromoethane (EDB)	ND<50	10	5.0	Dibromomethane	ND<50	10	5.0
1,2-Dichlorobenzene	ND<50	10	5.0	1,3-Dichlorobenzene	ND<50	10	5.0
1,4-Dichlorobenzene	ND<50	10	5.0	Dichlorodifluoromethane	ND<50	10	5.0
1,1-Dichloroethane	ND<50	10	5.0	1,2-Dichloroethane (1,2-DCA)	ND<50	10	5.0
1,1-Dichloroethene	ND<50	10	5.0	cis-1,2-Dichloroethene	ND<50	10	5.0
trans-1,2-Dichloroethene	ND<50	10	5.0	1,2-Dichloropropane	ND<50	10	5.0
1,3-Dichloropropane	ND<50	10	5.0	2,2-Dichloropropane	ND<50	10	5.0
1,1-Dichloropropene	ND<50	10	5.0	cis-1,3-Dichloropropene	ND<50	10	5.0
trans-1,3-Dichloropropene	ND<50	10	5.0	Diisopropyl ether (DIPE)	ND<50	10	5.0
Ethylbenzene	ND<50	10	5.0	Ethyl tert-butyl ether (ETBE)	ND<50	10	5.0
Hexachlorobutadiene	ND<50	10	5.0	2-Hexanone	ND<50	10	5.0
Iodomethane (Methyl Iodide)	ND<50	10	5.0	Isopropylbenzene	ND<50	10	5.0
4-Isopropyl toluene	91	10	5.0	Methyl-t-butyl ether (MTBE)	ND<50	10	5.0
Methylene chloride	ND<50	10	5.0	4-Methyl-2-pentanone (MIBK)	ND<50	10	5.0
Naphthalene	100	10	5.0	n-Propyl benzene	ND<50	10	5.0
Styrene	ND<50	10	5.0	1,1,1,2-Tetrachloroethane	ND<50	10	5.0
1,1,2,2-Tetrachloroethane	ND<50	10	5.0	Tetrachloroethene	ND<50	10	5.0
Toluene	ND<50	10	5.0	1,2,3-Trichlorobenzene	ND<50	10	5.0
1,2,4-Trichlorobenzene	ND<50	10	5.0	1,1,1-Trichloroethane	ND<50	10	5.0
1,1,2-Trichloroethane	ND<50	10	5.0	Trichloroethene	ND<50	10	5.0
Trichlorofluoromethane	ND<50	10	5.0	1,2,3-Trichloropropane	ND<50	10	5.0
1,2,4-Trimethylbenzene	480	10	5.0	1,3,5-Trimethylbenzene	ND<50	10	5.0
Vinyl Acetate	ND<500	10	50	Vinyl Chloride	ND<50	10	5.0
Xylenes	ND<50	10	5.0				

Surrogate Recoveries (%)

%SS1:	97.4	%SS2	96.9
%SS3:	82.0		

Comments.

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol % sediment, j) sample diluted due to high organic content.

DHS Certification No. 1644

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method SW8260B Work Order: 0211094

Lab ID	0211094-004B
Client ID	B-5@3'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	94.2	%SS2:	101
%SS3	89.6		

Comments.

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment, j) sample diluted due to high organic content.

DHS Certification No. 1644

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-005A
Client ID	Area 2-B
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	7.5	1.0	5.0
tert-Butyl benzene	5.0	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl Iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	90.6	%SS2:	96.0
%SS3:	135		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit, N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211094

Lab ID	0211094-005B
Client ID	B-7@4'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	17	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl Iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	9.1	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	7.4	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1	88.7	%SS2	104
%SS3	87.1		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Telephone · 925-798-1620 Fax · 925-798-1622
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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-005C
Client ID	B-8@5'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	27	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl Iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1	85.9	%SS2.	97.0
%SS3.	---#		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol % sediment, j) sample diluted due to high organic content

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211094

Lab ID	0211094-006A
Client ID	Area 2-C
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1	82.7	%SS2	105
%SS3	91.2		

Comments

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit, N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method SW8260B Work Order: 0211094

Lab ID	0211094-006B
Client ID	B-6@9'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	6.3	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl Iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	81	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1	81.5	%SS2.	104
%SS3	116		

Comments.

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit, N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method SW5030B | Analytical Method: SW8260B | Work Order: 0211094

Lab ID	0211094-007A
Client ID	Area 3-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<500	10	50	tert-Amyl methyl ether (TAME)	ND<50	10	5.0
Benzene	ND<50	10	5.0	Bromobenzene	ND<50	10	5.0
Bromochloromethane	ND<50	10	5.0	Bromodichloromethane	ND<50	10	5.0
Bromoform	ND<50	10	5.0	Bromomethane	ND<50	10	5.0
2-Butanone (MEK)	ND<100	10	10	t-Butyl alcohol (TBA)	ND<250	10	25
n-Butyl benzene	220	10	5.0	sec-Butyl benzene	70	10	5.0
tert-Butyl benzene	ND<50	10	5.0	Carbon Disulfide	ND<50	10	5.0
Carbon Tetrachloride	ND<50	10	5.0	Chlorobenzene	ND<50	10	5.0
Chloroethane	ND<50	10	5.0	2-Chloroethyl Vinyl Ether	ND<50	10	5.0
Chloroform	ND<50	10	5.0	Chloromethane	ND<50	10	5.0
2-Chlorotoluene	ND<50	10	5.0	4-Chlorotoluene	ND<50	10	5.0
Dibromochloromethane	ND<50	10	5.0	1,2-Dibromo-3-chloropropane	ND<50	10	5.0
1,2-Dibromoethane (EDB)	ND<50	10	5.0	Dibromomethane	ND<50	10	5.0
1,2-Dichlorobenzene	ND<50	10	5.0	1,3-Dichlorobenzene	ND<50	10	5.0
1,4-Dichlorobenzene	ND<50	10	5.0	Dichlorodifluoromethane	ND<50	10	5.0
1,1-Dichloroethane	ND<50	10	5.0	1,2-Dichloroethane (1,2-DCA)	ND<50	10	5.0
1,1-Dichloroethene	ND<50	10	5.0	cis-1,2-Dichloroethene	ND<50	10	5.0
trans-1,2-Dichloroethene	ND<50	10	5.0	1,2-Dichloropropane	ND<50	10	5.0
1,3-Dichloropropane	ND<50	10	5.0	2,2-Dichloropropane	ND<50	10	5.0
1,1-Dichloropropene	ND<50	10	5.0	cis-1,3-Dichloropropene	ND<50	10	5.0
trans-1,3-Dichloropropene	ND<50	10	5.0	Diisopropyl ether (DIPE)	ND<50	10	5.0
Ethylbenzene	300	10	5.0	Ethyl tert-butyl ether (ETBE)	ND<50	10	5.0
Hexachlorobutadiene	ND<50	10	5.0	2-Hexanone	ND<50	10	5.0
Iodomethane (Methyl Iodide)	ND<50	10	5.0	Isopropylbenzene	97	10	5.0
4-Isopropyl toluene	110	10	5.0	Methyl-t-butyl ether (MTBE)	ND<50	10	5.0
Methylene chloride	ND<50	10	5.0	4-Methyl-2-pentanone (MIBK)	ND<50	10	5.0
Naphthalene	1200	10	5.0	n-Propyl benzene	230	10	5.0
Styrene	ND<50	10	5.0	1,1,1,2-Tetrachloroethane	ND<50	10	5.0
1,1,2,2-Tetrachloroethane	ND<50	10	5.0	Tetrachloroethene	ND<50	10	5.0
Toluene	ND<50	10	5.0	1,2,3-Trichlorobenzene	ND<50	10	5.0
1,2,4-Trichlorobenzene	ND<50	10	5.0	1,1,1-Trichloroethane	ND<50	10	5.0
1,1,2-Trichloroethane	ND<50	10	5.0	Trichloroethene	ND<50	10	5.0
Trichlorofluoromethane	ND<50	10	5.0	1,2,3-Trichloropropane	ND<50	10	5.0
1,2,4-Trimethylbenzene	1000	10	5.0	1,3,5-Trimethylbenzene	360	10	5.0
Vinyl Acetate	ND<500	10	50	Vinyl Chloride	ND<50	10	5.0
Xylenes	630	10	5.0				

Surrogate Recoveries (%)

%SS1:	111	%SS2:	96.3
%SS3:	91.6		

Comments

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211094

Lab ID	0211094-007B
Client ID	B-12@3'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<130	1.0	50	tert-Amyl methyl ether (TAME)	ND<5 5	1.0	5:0
Benzene	ND	1 0	5 0	Bromobenzene	ND	1 0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25.
n-Butyl benzene	ND	1.0	5 0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1 0	5 0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5 0	Chlorobenzene	ND	1 0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1 0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5 0	1,2-Dibromo-3-chloropropane	ND	1.0	5 0
1,2-Dibromoethane (EDB)	ND	1 0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1 0	5 0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5 0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1 0	5.0
trans-1,2-Dichloroethene	ND	1.0	5 0	1,2-Dichloropropane	ND	1 0	5 0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1 0	5 0
1,1-Dichloropropene	ND	1 0	5.0	cis-1,3-Dichloropropene	ND	1.0	5 0
trans-1,3-Dichloropropene	ND	1 0	5 0	Diisopropyl ether (DIPE)	ND	1.0	5 0
Ethylbenzene	ND	1 0	5 0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5 0
Hexachlorobutadiene	ND	1 0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5 0	Isopropylbenzene	ND	1 0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1 0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1 0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5 0	1,1,1,2-Tetrachloroethane	ND	1.0	5 0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1 0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1 0	5 0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1 0	5.0	1,2,3-Trichloropropane	ND	1.0	5 0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1 0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5 0				

Surrogate Recoveries (%)

%SS1	102	%SS2.	103
%SS3.	94 2		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content

Edward Hamilton, Lab Director

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Clayton Group Services	Client Project ID: #70-03365.01, Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order. 0211094

Lab ID	0211094-008A
Client ID	Area 3-B
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<2000	40	50	tert-Amyl methyl ether (TAME)	ND<200	40	5.0
Benzene	ND<200	40	5 0	Bromobenzene	ND<200	40	5.0
Bromochloromethane	ND<200	40	5.0	Bromodichloromethane	ND<200	40	5.0
Bromoform	ND<200	40	5.0	Bromomethane	ND<200	40	5 0
2-Butanone (MEK)	ND<400	40	10	t-Butyl alcohol (TBA)	ND<1000	40	25
n-Butyl benzene	ND<200	40	5.0	sec-Butyl benzene	ND<200	40	5.0
tert-Butyl benzene	ND<200	40	5 0	Carbon Disulfide	ND<200	40	5 0
Carbon Tetrachloride	ND<200	40	5 0	Chlorobenzene	ND<200	40	5 0
Chloroethane	ND<200	40	5 0	2-Chloroethyl Vinyl Ether	ND<200	40	5 0
Chloroform	ND<200	40	5.0	Chloromethane	ND<200	40	5 0
2-Chlorotoluene	ND<200	40	5.0	4-Chlorotoluene	ND<200	40	5 0
Dibromochloromethane	ND<200	40	5 0	1,2-Dibromo-3-chloropropane	ND<200	40	5 0
1,2-Dibromoethane (EDB)	ND<200	40	5.0	Dibromomethane	ND<200	40	5 0
1,2-Dichlorobenzene	ND<200	40	5 0	1,3-Dichlorobenzene	ND<200	40	5.0
1,4-Dichlorobenzene	ND<200	40	5.0	Dichlorodifluoromethane	ND<200	40	5.0
1,1-Dichloroethane	ND<200	40	5.0	1,2-Dichloroethane (1,2-DCA)	ND<200	40	5.0
1,1-Dichloroethene	ND<200	40	5 0	cis-1,2-Dichloroethene	ND<200	40	5 0
trans-1,2-Dichloroethene	ND<200	40	5.0	1,2-Dichloropropane	ND<200	40	5 0
1,3-Dichloropropane	ND<200	40	5 0	2,2-Dichloropropane	ND<200	40	5 0
1,1-Dichloropropene	ND<200	40	5.0	cis-1,3-Dichloropropene	ND<200	40	5.0
trans-1,3-Dichloropropene	ND<200	40	5 0	Diisopropyl ether (DIPE)	ND<200	40	5 0
Ethylbenzene	330	40	5 0	Ethyl tert-butyl ether (ETBE)	ND<200	40	5 0
Hexachlorobutadiene	ND<200	40	5 0	2-Hexanone	ND<200	40	5 0
Iodomethane (Methyl iodide)	ND<200	40	5.0	Isopropylbenzene	ND<200	40	5.0
4-Isopropyl toluene	ND<200	40	5 0	Methyl-t-butyl ether (MTBE)	ND<200	40	5.0
Methylene chloride	ND<200	40	5 0	4-Methyl-2-pentanone (MIBK)	ND<200	40	5.0
Naphthalene	3300	40	5.0	n-Propyl benzene	260	40	5.0
Styrene	ND<200	40	5.0	1,1,1,2-Tetrachloroethane	ND<200	40	5.0
1,1,2,2-Tetrachloroethane	ND<200	40	5.0	Tetrachloroethene	ND<200	40	5.0
Toluene	ND<200	40	5.0	1,2,3-Trichlorobenzene	ND<200	40	5.0
1,2,4-Trichlorobenzene	ND<200	40	5.0	1,1,1-Trichloroethane	ND<200	40	5 0
1,1,2-Trichloroethane	ND<200	40	5.0	Trichloroethene	ND<200	40	5 0
Trichlorofluoromethane	ND<200	40	5.0	1,2,3-Trichloropropane	ND<200	40	5 0
1,2,4-Trimethylbenzene	ND<200	40	5.0	1,3,5-Trimethylbenzene	ND<200	40	5.0
Vinyl Acetate	ND<2000	40	50	Vinyl Chloride	ND<200	40	5.0
Xylenes	ND<200	40	5 0				

Surrogate Recoveries (%)

%SS1	112	%SS2	101
%SS3	81 6		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211094

Lab ID	0211094-008B
Client ID	B-9@6'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl Iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	89.2	%SS2:	106
%SS3	86.8		

Comments.

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment, j) sample diluted due to high organic content.

DHS Certification No. 1644

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6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method· SW5030B | Analytical Method. SW8260B | Work Order: 0211094

Lab ID	0211094-008C
Client ID	B-10@6'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<4000	80	50	tert-Amyl methyl ether (TAME)	ND<400	80	5.0
Benzene	ND<400	80	5.0	Bromobenzene	ND<400	80	5.0
Bromochloromethane	ND<400	80	5.0	Bromodichloromethane	ND<400	80	5.0
Bromoform	ND<400	80	5.0	Bromomethane	ND<400	80	5.0
2-Butanone (MEK)	ND<800	80	10	t-Butyl alcohol (TBA)	ND<2000	80	25
n-Butyl benzene	ND<400	80	5.0	sec-Butyl benzene	550	80	5.0
tert-Butyl benzene	ND<400	80	5.0	Carbon Disulfide	ND<400	80	5.0
Carbon Tetrachloride	ND<400	80	5.0	Chlorobenzene	ND<400	80	5.0
Chloroethane	ND<400	80	5.0	2-Chloroethyl Vinyl Ether	ND<400	80	5.0
Chloroform	ND<400	80	5.0	Chloromethane	ND<400	80	5.0
2-Chlorotoluene	ND<400	80	5.0	4-Chlorotoluene	ND<400	80	5.0
Dibromochloromethane	ND<400	80	5.0	1,2-Dibromo-3-chloropropane	ND<400	80	5.0
1,2-Dibromoethane (EDB)	ND<400	80	5.0	Dibromomethane	ND<400	80	5.0
1,2-Dichlorobenzene	ND<400	80	5.0	1,3-Dichlorobenzene	ND<400	80	5.0
1,4-Dichlorobenzene	ND<400	80	5.0	Dichlorodifluoromethane	ND<400	80	5.0
1,1-Dichloroethane	ND<400	80	5.0	1,2-Dichloroethane (1,2-DCA)	ND<400	80	5.0
1,1-Dichloroethene	ND<400	80	5.0	cis-1,2-Dichloroethene	ND<400	80	5.0
trans-1,2-Dichloroethene	ND<400	80	5.0	1,2-Dichloropropane	ND<400	80	5.0
1,3-Dichloropropane	ND<400	80	5.0	2,2-Dichloropropane	ND<400	80	5.0
1,1-Dichloropropene	ND<400	80	5.0	cis-1,3-Dichloropropene	ND<400	80	5.0
trans-1,3-Dichloropropene	ND<400	80	5.0	Diisopropyl ether (DIPE)	ND<400	80	5.0
Ethylbenzene	1000	80	5.0	Ethyl tert-butyl ether (ETBE)	ND<400	80	5.0
Hexachlorobutadiene	ND<400	80	5.0	2-Hexanone	ND<400	80	5.0
Iodomethane (Methyl Iodide)	ND<400	80	5.0	Isopropylbenzene	710	80	5.0
4-Isopropyl toluene	ND<400	80	5.0	Methyl-t-butyl ether (MTBE)	ND<400	80	5.0
Methylene chloride	ND<400	80	5.0	4-Methyl-2-pentanone (MIBK)	ND<400	80	5.0
Naphthalene	14,000	80	5.0	n-Propyl benzene	1200	80	5.0
Styrene	ND<400	80	5.0	1,1,1,2-Tetrachloroethane	ND<400	80	5.0
1,1,2,2-Tetrachloroethane	ND<400	80	5.0	Tetrachloroethene	ND<400	80	5.0
Toluene	ND<400	80	5.0	1,2,3-Trichlorobenzene	ND<400	80	5.0
1,2,4-Trichlorobenzene	ND<400	80	5.0	1,1,1-Trichloroethane	ND<400	80	5.0
1,1,2-Trichloroethane	ND<400	80	5.0	Trichloroethene	ND<400	80	5.0
Trichlorofluoromethane	ND<400	80	5.0	1,2,3-Trichloropropane	ND<400	80	5.0
1,2,4-Trimethylbenzene	1400	80	5.0	1,3,5-Trimethylbenzene	ND<400	80	5.0
Vinyl Acetate	ND<4000	80	50	Vinyl Chloride	ND<400	80	5.0
Xylenes	ND<400	80	5.0				

Surrogate Recoveries (%)

%SS1:	112	%SS2·	100
%SS3:	82.5		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method. SW5030B | Analytical Method: SW8260B | Work Order. 0211094

Lab ID	0211094-009A
Client ID	Area 3-C
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<2000	40	50	tert-Amyl methyl ether (TAME)	ND<200	40	5.0
Benzene	ND<200	40	5.0	Bromobenzene	ND<200	40	5.0
Bromochloromethane	ND<200	40	5.0	Bromodichloromethane	ND<200	40	5.0
Bromoform	ND<200	40	5 0	Bromomethane	ND<200	40	5.0
2-Butanone (MEK)	ND<400	40	10	t-Butyl alcohol (TBA)	ND<1000	40	25
n-Butyl benzene	ND<200	40	5.0	sec-Butyl benzene	ND<200	40	5.0
tert-Butyl benzene	ND<200	40	5 0	Carbon Disulfide	ND<200	40	5.0
Carbon Tetrachloride	ND<200	40	5.0	Chlorobenzene	ND<200	40	5.0
Chloroethane	ND<200	40	5.0	2-Chloroethyl Vinyl Ether	ND<200	40	5 0
Chloroform	ND<200	40	5.0	Chloromethane	ND<200	40	5 0
2-Chlorotoluene	ND<200	40	5.0	4-Chlorotoluene	ND<200	40	5.0
Dibromochloromethane	ND<200	40	5 0	1,2-Dibromo-3-chloropropane	ND<200	40	5 0
1,2-Dibromoethane (EDB)	ND<200	40	5.0	Dibromomethane	ND<200	40	5 0
1,2-Dichlorobenzene	ND<200	40	5 0	1,3-Dichlorobenzene	ND<200	40	5.0
1,4-Dichlorobenzene	ND<200	40	5.0	Dichlorodifluoromethane	ND<200	40	5.0
1,1-Dichloroethane	ND<200	40	5.0	1,2-Dichloroethane (1,2-DCA)	ND<200	40	5.0
1,1-Dichloroethene	ND<200	40	5.0	cis-1,2-Dichloroethene	ND<200	40	5.0
trans-1,2-Dichloroethene	ND<200	40	5.0	1,2-Dichloropropane	ND<200	40	5 0
1,3-Dichloropropane	ND<200	40	5.0	2,2-Dichloropropane	ND<200	40	5.0
1,1-Dichloropropene	ND<200	40	5.0	cis-1,3-Dichloropropene	ND<200	40	5.0
trans-1,3-Dichloropropene	ND<200	40	5 0	Diisopropyl ether (DIPE)	ND<200	40	5.0
Ethylbenzene	ND<200	40	5 0	Ethyl tert-butyl ether (ETBE)	ND<200	40	5.0.
Hexachlorobutadiene	ND<200	40	5.0	2-Hexanone	ND<200	40	5.0
Iodomethane (Methyl iodide)	ND<200	40	5.0	Isopropylbenzene	ND<200	40	5 0
4-Isopropyl toluene	ND<200	40	5.0	Methyl-t-butyl ether (MTBE)	ND<200	40	5.0
Methylene chloride	ND<200	40	5.0	4-Methyl-2-pentanone (MIBK)	ND<200	40	5.0
Naphthalene	820	40	5.0	n-Propyl benzene	ND<200	40	5.0
Styrene	ND<200	40	5 0	1,1,1,2-Tetrachloroethane	ND<200	40	5 0
1,1,2,2-Tetrachloroethane	ND<200	40	5.0	Tetrachloroethene	ND<200	40	5.0
Toluene	ND<200	40	5 0	1,2,3-Trichlorobenzene	ND<200	40	5.0
1,2,4-Trichlorobenzene	ND<200	40	5.0	1,1,1-Trichloroethane	ND<200	40	5.0
1,1,2-Trichloroethane	ND<200	40	5.0	Trichloroethene	ND<200	40	5.0
Trichlorofluoromethane	ND<200	40	5.0	1,2,3-Trichloropropane	ND<200	40	5.0
1,2,4-Trimethylbenzene	630	40	5 0	1,3,5-Trimethylbenzene	210	40	5.0
Vinyl Acetate	ND<2000	40	50	Vinyl Chloride	ND<200	40	5.0
Xylenes	ND<200	40	5.0				

Surrogate Recoveries (%)

%SS1	96.1	%SS2.	98 5
%SS3	82.6		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-009B
Client ID	B-11@10'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5000	100	50	tert-Amyl methyl ether (TAME)	ND<500	100	5.0
Benzene	ND<500	100	5.0	Bromobenzene	ND<500	100	5.0
Bromochloromethane	ND<500	100	5.0	Bromodichloromethane	ND<500	100	5.0
Bromoform	ND<500	100	5.0	Bromomethane	ND<500	100	5.0
2-Butanone (MEK)	ND<1000	100	10	t-Butyl alcohol (TBA)	ND<2500	100	25
n-Butyl benzene	ND<500	100	5.0	sec-Butyl benzene	ND<500	100	5.0
tert-Butyl benzene	ND<500	100	5.0	Carbon Disulfide	ND<500	100	5.0
Carbon Tetrachloride	ND<500	100	5.0	Chlorobenzene	ND<500	100	5.0
Chloroethane	ND<500	100	5.0	2-Chloroethyl Vinyl Ether	ND<500	100	5.0
Chloroform	ND<500	100	5.0	Chloromethane	ND<500	100	5.0
2-Chlorotoluene	ND<500	100	5.0	4-Chlorotoluene	ND<500	100	5.0
Dibromochloromethane	ND<500	100	5.0	1,2-Dibromo-3-chloropropane	ND<500	100	5.0
1,2-Dibromoethane (EDB)	ND<500	100	5.0	Dibromomethane	ND<500	100	5.0
1,2-Dichlorobenzene	ND<500	100	5.0	1,3-Dichlorobenzene	ND<500	100	5.0
1,4-Dichlorobenzene	ND<500	100	5.0	Dichlorodifluoromethane	ND<500	100	5.0
1,1-Dichloroethane	ND<500	100	5.0	1,2-Dichloroethane (1,2-DCA)	ND<500	100	5.0
1,1-Dichloroethene	ND<500	100	5.0	cis-1,2-Dichloroethene	ND<500	100	5.0
trans-1,2-Dichloroethene	ND<500	100	5.0	1,2-Dichloropropane	ND<500	100	5.0
1,3-Dichloropropane	ND<500	100	5.0	2,2-Dichloropropane	ND<500	100	5.0
1,1-Dichloropropene	ND<500	100	5.0	cis-1,3-Dichloropropene	ND<500	100	5.0
trans-1,3-Dichloropropene	ND<500	100	5.0	Diisopropyl ether (DIPE)	ND<500	100	5.0
Ethylbenzene	ND<500	100	5.0	Ethyl tert-butyl ether (ETBE)	ND<500	100	5.0
Hexachlorobutadiene	ND<500	100	5.0	2-Hexanone	ND<500	100	5.0
Iodomethane (Methyl Iodide)	ND<500	100	5.0	Isopropylbenzene	ND<500	100	5.0
4-Isopropyl toluene	ND<500	100	5.0	Methyl-t-butyl ether (MTBE)	ND<500	100	5.0
Methylene chloride	ND<500	100	5.0	4-Methyl-2-pentanone (MIBK)	ND<500	100	5.0
Naphthalene	1600	100	5.0	n-Propyl benzene	ND<500	100	5.0
Styrene	ND<500	100	5.0	1,1,1,2-Tetrachloroethane	ND<500	100	5.0
1,1,2,2-Tetrachloroethane	ND<500	100	5.0	Tetrachloroethene	ND<500	100	5.0
Toluene	ND<500	100	5.0	1,2,3-Trichlorobenzene	ND<500	100	5.0
1,2,4-Trichlorobenzene	ND<500	100	5.0	1,1,1-Trichloroethane	ND<500	100	5.0
1,1,2-Trichloroethane	ND<500	100	5.0	Trichloroethene	ND<500	100	5.0
Trichlorofluoromethane	ND<500	100	5.0	1,2,3-Trichloropropane	ND<500	100	5.0
1,2,4-Trimethylbenzene	ND<500	100	5.0	1,3,5-Trimethylbenzene	ND<500	100	5.0
Vinyl Acetate	ND<5000	100	50	Vinyl Chloride	ND<500	100	5.0
Xylenes	ND<500	100	5.0				

Surrogate Recoveries (%)

%SS1	89.7	%SS2	98.9
%SS3:	81.8		

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-010A
Client ID	Area 4-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	7.2	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	7.5	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	62	1.0	5.0	1,3,5-Trimethylbenzene	25	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	80.2	%SS2:	104
%SS3.	105		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211094

Lab ID	0211094-010B
Client ID	B-14@3'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	78.8	%SS2:	105
%SS3:	92.3		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-010C
Client ID	B-16@3'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<130	1.0	50	tert-Amyl methyl ether (TAME)	ND<5 5	1 0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1 0	5 0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5 0
Bromoform	ND	1 0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1 0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1 0	5.0
tert-Butyl benzene	ND	1.0	5 0	Carbon Disulfide	ND	1 0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5 0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1 0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5 0
2-Chlorotoluene	ND	1 0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1 0	5 0
1,2-Dichlorobenzene	ND	1 0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5 0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5 0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5 0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5 0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl Iodide)	ND	1.0	5 0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5 0	Methyl-t-butyl ether (MTBE)	ND	1 0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	12	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5 0
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5 0	Trichloroethene	ND	1.0	5 0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5 0	1,3,5-Trimethylbenzene	ND	1 0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1 0	5.0
Xylenes	ND	1.0	5 0				

Surrogate Recoveries (%)

%SS1:	101	%SS2	103
%SS3:	89 4		

Comments

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-011A
Client ID	Area 4-B
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl Iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	88.7	%SS2:	105
%SS3	89.7		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present, i) liquid sample that contains greater than ~2 vol % sediment; j) sample diluted due to high organic content.

Edward Hamilton, Lab Director

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method. SW5030B | Analytical Method. SW8260B | Work Order 0211094

Lab ID	0211094-012A
Client ID	Area 4-C
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<2000	40	50	tert-Amyl methyl ether (TAME)	ND<200	40	5.0
Benzene	ND<200	40	5.0	Bromobenzene	ND<200	40	5.0
Bromochloromethane	ND<200	40	5.0	Bromodichloromethane	ND<200	40	5.0
Bromoform	ND<200	40	5.0	Bromomethane	ND<200	40	5.0
2-Butanone (MEK)	ND<400	40	10	t-Butyl alcohol (TBA)	ND<1000	40	25
n-Butyl benzene	ND<200	40	5.0	sec-Butyl benzene	ND<200	40	5.0
tert-Butyl benzene	ND<200	40	5.0	Carbon Disulfide	ND<200	40	5.0
Carbon Tetrachloride	ND<200	40	5.0	Chlorobenzene	ND<200	40	5.0
Chloroethane	ND<200	40	5.0	2-Chloroethyl Vinyl Ether	ND<200	40	5.0
Chloroform	ND<200	40	5.0	Chloromethane	ND<200	40	5.0
2-Chlorotoluene	ND<200	40	5.0	4-Chlorotoluene	ND<200	40	5.0
Dibromochloromethane	ND<200	40	5.0	1,2-Dibromo-3-chloropropane	ND<200	40	5.0
1,2-Dibromoethane (EDB)	ND<200	40	5.0	Dibromomethane	ND<200	40	5.0
1,2-Dichlorobenzene	ND<200	40	5.0	1,3-Dichlorobenzene	ND<200	40	5.0
1,4-Dichlorobenzene	ND<200	40	5.0	Dichlorodifluoromethane	ND<200	40	5.0
1,1-Dichloroethane	ND<200	40	5.0	1,2-Dichloroethane (1,2-DCA)	ND<200	40	5.0
1,1-Dichloroethene	ND<200	40	5.0	cis-1,2-Dichloroethene	ND<200	40	5.0
trans-1,2-Dichloroethene	ND<200	40	5.0	1,2-Dichloropropane	ND<200	40	5.0
1,3-Dichloropropane	ND<200	40	5.0	2,2-Dichloropropane	ND<200	40	5.0
1,1-Dichloropropene	ND<200	40	5.0	cis-1,3-Dichloropropene	ND<200	40	5.0
trans-1,3-Dichloropropene	ND<200	40	5.0	Diisopropyl ether (DIPE)	ND<200	40	5.0
Ethylbenzene	ND<200	40	5.0	Ethyl tert-butyl ether (ETBE)	ND<200	40	5.0
Hexachlorobutadiene	ND<200	40	5.0	2-Hexanone	ND<200	40	5.0
Iodomethane (Methyl iodide)	ND<200	40	5.0	Isopropylbenzene	ND<200	40	5.0
4-Isopropyl toluene	ND<200	40	5.0	Methyl-t-butyl ether (MTBE)	ND<200	40	5.0
Methylene chloride	ND<200	40	5.0	4-Methyl-2-pentanone (MIBK)	ND<200	40	5.0
Naphthalene	ND<200	40	5.0	n-Propyl benzene	ND<200	40	5.0
Styrene	ND<200	40	5.0	1,1,1,2-Tetrachloroethane	ND<200	40	5.0
1,1,2,2-Tetrachloroethane	ND<200	40	5.0	Tetrachloroethene	ND<200	40	5.0
Toluene	ND<200	40	5.0	1,2,3-Trichlorobenzene	ND<200	40	5.0
1,2,4-Trichlorobenzene	ND<200	40	5.0	1,1,1-Trichloroethane	ND<200	40	5.0
1,1,2-Trichloroethane	ND<200	40	5.0	Trichloroethene	ND<200	40	5.0
Trichlorofluoromethane	ND<200	40	5.0	1,2,3-Trichloropropane	ND<200	40	5.0
1,2,4-Trimethylbenzene	ND<200	40	5.0	1,3,5-Trimethylbenzene	ND<200	40	5.0
Vinyl Acetate	ND<2000	40	50	Vinyl Chloride	ND<200	40	5.0
Xylenes	ND<200	40	5.0				

Surrogate Recoveries (%)

%SS1:	95.1	%SS2	99.1
%SS3	93.7		

Comments j

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present, i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method. SW5030B Analytical Method· SW8260B Work Order: 0211094

Lab ID	0211094-013A
Client ID	B-2@16'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	20	50	tert-Amyl methyl ether (TAME)	ND<100	20	5 0
Benzene	ND<100	20	5.0	Bromobenzene	ND<100	20	5.0
Bromochloromethane	ND<100	20	5.0	Bromodichloromethane	ND<100	20	5.0
Bromoform	ND<100	20	5 0	Bromomethane	ND<100	20	5.0
2-Butanone (MEK)	ND<200	20	10	t-Butyl alcohol (TBA)	ND<500	20	25
n-Butyl benzene	ND<100	20	5 0	sec-Butyl benzene	ND<100	20	5.0
tert-Butyl benzene	ND<100	20	5 0	Carbon Disulfide	ND<100	20	5.0
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<100	20	5 0
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0
2-Chlorotoluene	ND<100	20	5 0	4-Chlorotoluene	ND<100	20	5.0
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5 0
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5 0
1,4-Dichlorobenzene	ND<100	20	5 0	Dichlorodifluoromethane	ND<100	20	5.0
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5 0
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5 0
1,3-Dichloropropane	ND<100	20	5 0	2,2-Dichloropropane	ND<100	20	5 0
1,1-Dichloropropene	ND<100	20	5 0	cis-1,3-Dichloropropene	ND<100	20	5.0
trans-1,3-Dichloropropene	ND<100	20	5 0	Diisopropyl ether (DIPE)	ND<100	20	5.0
Ethylbenzene	ND<100	20	5 0	Ethyl tert-butyl ether (ETBE)	ND<100	20	5.0
Hexachlorobutadiene	ND<100	20	5.0	2-Hexanone	ND<100	20	5.0
Iodomethane (Methyl Iodide)	ND<100	20	5.0	Isopropylbenzene	ND<100	20	5 0
4-Isopropyl toluene	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	ND<100	20	5 0
Methylene chloride	ND<100	20	5 0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5 0
Naphthalene	ND<100	20	5 0	n-Propyl benzene	ND<100	20	5.0
Styrene	ND<100	20	5.0	1,1,1,2-Tetrachloroethane	ND<100	20	5.0
1,1,2,2-Tetrachloroethane	ND<100	20	5.0	Tetrachloroethene	ND<100	20	5 0
Toluene	ND<100	20	5.0	1,2,3-Trichlorobenzene	ND<100	20	5 0
1,2,4-Trichlorobenzene	ND<100	20	5 0	1,1,1-Trichloroethane	ND<100	20	5.0
1,1,2-Trichloroethane	ND<100	20	5.0	Trichloroethene	ND<100	20	5.0
Trichlorofluoromethane	ND<100	20	5 0	1,2,3-Trichloropropane	ND<100	20	5.0
1,2,4-Trimethylbenzene	ND<100	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0
Vinyl Acetate	ND<1000	20	50	Vinyl Chloride	ND<100	20	5 0
Xylenes	ND<100	20	5.0				

Surrogate Recoveries (%)

%SS1	91 6	%SS2:	98.9
%SS3.	88.5		

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method SW8260B Work Order: 0211094

Lab ID	0211094-014A
Client ID	B-3@13'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	20	50	tert-Amyl methyl ether (TAME)	ND<100	20	5.0
Benzene	ND<100	20	5.0	Bromobenzene	ND<100	20	5.0
Bromochloromethane	ND<100	20	5.0	Bromodichloromethane	ND<100	20	5.0
Bromoform	ND<100	20	5.0	Bromomethane	ND<100	20	5.0
2-Butanone (MEK)	ND<200	20	10	t-Butyl alcohol (TBA)	ND<500	20	25
n-Butyl benzene	ND<100	20	5.0	sec-Butyl benzene	110	20	5.0
tert-Butyl benzene	ND<100	20	5.0	Carbon Disulfide	ND<100	20	5.0
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<100	20	5.0
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichloropropane	ND<100	20	5.0
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0
trans-1,3-Dichloropropene	ND<100	20	5.0	Diisopropyl ether (DIPE)	ND<100	20	5.0
Ethylbenzene	ND<100	20	5.0	Ethyl tert-butyl ether (ETBE)	ND<100	20	5.0
Hexachlorobutadiene	ND<100	20	5.0	2-Hexanone	ND<100	20	5.0
Iodomethane (Methyl iodide)	ND<100	20	5.0	Isopropylbenzene	ND<100	20	5.0
4-Isopropyl toluene	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	ND<100	20	5.0
Methylene chloride	ND<100	20	5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0
Naphthalene	480	20	5.0	n-Propyl benzene	ND<100	20	5.0
Styrene	ND<100	20	5.0	1,1,1,2-Tetrachloroethane	ND<100	20	5.0
1,1,2,2-Tetrachloroethane	ND<100	20	5.0	Tetrachloroethene	ND<100	20	5.0
Toluene	ND<100	20	5.0	1,2,3-Trichlorobenzene	ND<100	20	5.0
1,2,4-Trichlorobenzene	ND<100	20	5.0	1,1,1-Trichloroethane	ND<100	20	5.0
1,1,2-Trichloroethane	ND<100	20	5.0	Trichloroethene	ND<100	20	5.0
Trichlorofluoromethane	ND<100	20	5.0	1,2,3-Trichloropropane	ND<100	20	5.0
1,2,4-Trimethylbenzene	740	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0
Vinyl Acetate	ND<1000	20	50	Vinyl Chloride	ND<100	20	5.0
Xylenes	ND<100	20	5.0				

Surrogate Recoveries (%)

%SS1:	92.2	%SS2:	98.4
%SS3	93.1		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment, j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-015A
Client ID	B-5@13'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	20	50	*tert-Amyl methyl ether (TAME)*	ND<100	20	5.0
Benzene	ND<100	20	5.0	Bromobenzene	ND<100	20	5.0
Bromochloromethane	ND<100	20	5.0	Bromodichloromethane	ND<100	20	5.0
Bromoform	ND<100	20	5.0	Bromomethane	ND<100	20	5.0
2-Butanone (MEK)	ND<200	20	10	t-Butyl alcohol (TBA)	ND<500	20	25
n-Butyl benzene	ND<100	20	5.0	sec-Butyl benzene	ND<100	20	5.0
tert-Butyl benzene	ND<100	20	5.0	Carbon Disulfide	ND<100	20	5.0
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<100	20	5.0
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichloropropane	ND<100	20	5.0
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0
trans-1,3-Dichloropropene	ND<100	20	5.0	Diisopropyl ether (DIPE)	ND<100	20	5.0
Ethylbenzene	ND<100	20	5.0	Ethyl tert-butyl ether (ETBE)	ND<100	20	5.0
Hexachlorobutadiene	ND<100	20	5.0	2-Hexanone	ND<100	20	5.0
Iodomethane (Methyl Iodide)	ND<100	20	5.0	Isopropylbenzene	ND<100	20	5.0
4-Isopropyl toluene	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	ND<100	20	5.0
Methylene chloride	ND<100	20	5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0
Naphthalene	410	20	5.0	n-Propyl benzene	ND<100	20	5.0
Styrene	ND<100	20	5.0	1,1,1,2-Tetrachloroethane	ND<100	20	5.0
1,1,2,2-Tetrachloroethane	ND<100	20	5.0	Tetrachloroethene	ND<100	20	5.0
Toluene	ND<100	20	5.0	1,2,3-Trichlorobenzene	ND<100	20	5.0
1,2,4-Trichlorobenzene	ND<100	20	5.0	1,1,1-Trichloroethane	ND<100	20	5.0
1,1,2-Trichloroethane	ND<100	20	5.0	Trichloroethene	ND<100	20	5.0
Trichlorofluoromethane	ND<100	20	5.0	1,2,3-Trichloropropane	ND<100	20	5.0
1,2,4-Trimethylbenzene	ND<100	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0
Vinyl Acetate	ND<1000	20	50	Vinyl Chloride	ND<100	20	5.0
Xylenes	ND<100	20	5.0				

Surrogate Recoveries (%)

%SS1:	91.3	%SS2	99.2
%SS3	87.9		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol % sediment; j) sample diluted due to high organic content

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Telephone: 925-798-1620 Fax: 925-798-1622
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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-016A
Client ID	B-7@12'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	60	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1	88.4	%SS2.	98.9
%SS3	122		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211094

Lab ID	0211094-017A
Client ID	B-7@23'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1	84.8	%SS2	105
%SS3.	89.8		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211094

Lab ID	0211094-018A
Client ID	B-8@17'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl Iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	83.8	%SS2:	101
%SS3:	129		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-019A
Client ID	B-9@14'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<2000	40	50	tert-Amyl methyl ether (TAME)	ND<200	40	5.0
Benzene	ND<200	40	5.0	Bromobenzene	ND<200	40	5.0
Bromochloromethane	ND<200	40	5.0	Bromodichloromethane	ND<200	40	5.0
Bromoform	ND<200	40	5.0	Bromomethane	ND<200	40	5.0
2-Butanone (MEK)	ND<400	40	10	t-Butyl alcohol (TBA)	ND<1000	40	25
n-Butyl benzene	ND<200	40	5.0	sec-Butyl benzene	ND<200	40	5.0
tert-Butyl benzene	ND<200	40	5.0	Carbon Disulfide	ND<200	40	5.0
Carbon Tetrachloride	ND<200	40	5.0	Chlorobenzene	ND<200	40	5.0
Chloroethane	ND<200	40	5.0	2-Chloroethyl Vinyl Ether	ND<200	40	5.0
Chloroform	ND<200	40	5.0	Chloromethane	ND<200	40	5.0
2-Chlorotoluene	ND<200	40	5.0	4-Chlorotoluene	ND<200	40	5.0
Dibromochloromethane	ND<200	40	5.0	1,2-Dibromo-3-chloropropane	ND<200	40	5.0
1,2-Dibromoethane (EDB)	ND<200	40	5.0	Dibromomethane	ND<200	40	5.0
1,2-Dichlorobenzene	ND<200	40	5.0	1,3-Dichlorobenzene	ND<200	40	5.0
1,4-Dichlorobenzene	ND<200	40	5.0	Dichlorodifluoromethane	ND<200	40	5.0
1,1-Dichloroethane	ND<200	40	5.0	1,2-Dichloroethane (1,2-DCA)	ND<200	40	5.0
1,1-Dichloroethene	ND<200	40	5.0	cis-1,2-Dichloroethene	ND<200	40	5.0
trans-1,2-Dichloroethene	ND<200	40	5.0	1,2-Dichloropropane	ND<200	40	5.0
1,3-Dichloropropane	ND<200	40	5.0	2,2-Dichloropropane	ND<200	40	5.0
1,1-Dichloropropene	ND<200	40	5.0	cis-1,3-Dichloropropene	ND<200	40	5.0
trans-1,3-Dichloropropene	ND<200	40	5.0	Diisopropyl ether (DIPE)	ND<200	40	5.0
Ethylbenzene	ND<200	40	5.0	Ethyl tert-butyl ether (ETBE)	ND<200	40	5.0
Hexachlorobutadiene	ND<200	40	5.0	2-Hexanone	ND<200	40	5.0
Iodomethane (Methyl iodide)	ND<200	40	5.0	Isopropylbenzene	ND<200	40	5.0
4-Isopropyl toluene	ND<200	40	5.0	Methyl-t-butyl ether (MTBE)	ND<200	40	5.0
Methylene chloride	ND<200	40	5.0	4-Methyl-2-pentanone (MIBK)	ND<200	40	5.0
Naphthalene	ND<200	40	5.0	n-Propyl benzene	ND<200	40	5.0
Styrene	ND<200	40	5.0	1,1,1,2-Tetrachloroethane	ND<200	40	5.0
1,1,2,2-Tetrachloroethane	ND<200	40	5.0	Tetrachloroethene	ND<200	40	5.0
Toluene	ND<200	40	5.0	1,2,3-Trichlorobenzene	ND<200	40	5.0
1,2,4-Trichlorobenzene	ND<200	40	5.0	1,1,1-Trichloroethane	ND<200	40	5.0
1,1,2-Trichloroethane	ND<200	40	5.0	Trichloroethene	ND<200	40	5.0
Trichlorofluoromethane	ND<200	40	5.0	1,2,3-Trichloropropane	ND<200	40	5.0
1,2,4-Trimethylbenzene	ND<200	40	5.0	1,3,5-Trimethylbenzene	ND<200	40	5.0
Vinyl Acetate	ND<2000	40	50	Vinyl Chloride	ND<200	40	5.0
Xylenes	ND<200	40	5.0				

Surrogate Recoveries (%)

%SS1:	108	%SS2:	102
%SS3:	87.7		

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-020A
Client ID	B-10@9"
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	20	50	tert-Amyl methyl ether (TAME)	ND<100	20	5.0
Benzene	ND<100	20	5.0	Bromobenzene	ND<100	20	5.0
Bromochloromethane	ND<100	20	5.0	Bromodichloromethane	ND<100	20	5.0
Bromoform	ND<100	20	5.0	Bromomethane	ND<100	20	5.0
2-Butanone (MEK)	ND<200	20	10	t-Butyl alcohol (TBA)	ND<500	20	25
n-Butyl benzene	ND<100	20	5.0	sec-Butyl benzene	ND<100	20	5.0
tert-Butyl benzene	ND<100	20	5.0	Carbon Disulfide	ND<100	20	5.0
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<100	20	5.0
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichloropropane	ND<100	20	5.0
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0
trans-1,3-Dichloropropene	ND<100	20	5.0	Diisopropyl ether (DIPE)	ND<100	20	5.0
Ethylbenzene	ND<100	20	5.0	Ethyl tert-butyl ether (ETBE)	ND<100	20	5.0
Hexachlorobutadiene	ND<100	20	5.0	2-Hexanone	ND<100	20	5.0
Iodomethane (Methyl Iodide)	ND<100	20	5.0	Isopropylbenzene	ND<100	20	5.0
4-Isopropyl toluene	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	ND<100	20	5.0
Methylene chloride	ND<100	20	5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0
Naphthalene	ND<100	20	5.0	n-Propyl benzene	ND<100	20	5.0
Styrene	ND<100	20	5.0	1,1,1,2-Tetrachloroethane	ND<100	20	5.0
1,1,2,2-Tetrachloroethane	ND<100	20	5.0	Tetrachloroethene	ND<100	20	5.0
Toluene	ND<100	20	5.0	1,2,3-Trichlorobenzene	ND<100	20	5.0
1,2,4-Trichlorobenzene	ND<100	20	5.0	1,1,1-Trichloroethane	ND<100	20	5.0
1,1,2-Trichloroethane	ND<100	20	5.0	Trichloroethene	ND<100	20	5.0
Trichlorofluoromethane	ND<100	20	5.0	1,2,3-Trichloropropane	ND<100	20	5.0
1,2,4-Trimethylbenzene	ND<100	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0
Vinyl Acetate	ND<1000	20	50	Vinyl Chloride	ND<100	20	5.0
Xylenes	ND<100	20	5.0				

Surrogate Recoveries (%)

%SS1	107	%SS2	102
%SS3	85.7		

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method. SW5030B | Analytical Method SW8260B | Work Order: 0211094

Lab ID	0211094-022A
Client ID	B-11@3'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<20,000	400	50	tert-Amyl methyl ether (TAME)	ND<2000	400	5.0
Benzene	ND<2000	400	5.0	Bromobenzene	ND<2000	400	5.0
Bromochloromethane	ND<2000	400	5.0	Bromodichloromethane	ND<2000	400	5.0
Bromoform	ND<2000	400	5.0	Bromomethane	ND<2000	400	5.0
2-Butanone (MEK)	ND<4000	400	10	t-Butyl alcohol (TBA)	ND<10,000	400	25
n-Butyl benzene	ND<2000	400	5.0	sec-Butyl benzene	ND<2000	400	5.0
tert-Butyl benzene	ND<2000	400	5.0	Carbon Disulfide	ND<2000	400	5.0
Carbon Tetrachloride	ND<2000	400	5.0	Chlorobenzene	ND<2000	400	5.0
Chloroethane	ND<2000	400	5.0	2-Chloroethyl Vinyl Ether	ND<2000	400	5.0
Chloroform	ND<2000	400	5.0	Chloromethane	ND<2000	400	5.0
2-Chlorotoluene	ND<2000	400	5.0	4-Chlorotoluene	ND<2000	400	5.0
Dibromochloromethane	ND<2000	400	5.0	1,2-Dibromo-3-chloropropane	ND<2000	400	5.0
1,2-Dibromoethane (EDB)	ND<2000	400	5.0	Dibromomethane	ND<2000	400	5.0
1,2-Dichlorobenzene	ND<2000	400	5.0	1,3-Dichlorobenzene	ND<2000	400	5.0
1,4-Dichlorobenzene	ND<2000	400	5.0	Dichlorodifluoromethane	ND<2000	400	5.0
1,1-Dichloroethane	ND<2000	400	5.0	1,2-Dichloroethane (1,2-DCA)	ND<2000	400	5.0
1,1-Dichloroethene	ND<2000	400	5.0	cis-1,2-Dichloroethene	ND<2000	400	5.0
trans-1,2-Dichloroethene	ND<2000	400	5.0	1,2-Dichloropropane	ND<2000	400	5.0
1,3-Dichloropropane	ND<2000	400	5.0	2,2-Dichloropropane	ND<2000	400	5.0
1,1-Dichloropropene	ND<2000	400	5.0	cis-1,3-Dichloropropene	ND<2000	400	5.0
trans-1,3-Dichloropropene	ND<2000	400	5.0	Diisopropyl ether (DIPE)	ND<2000	400	5.0
Ethylbenzene	3500	400	5.0	Ethyl tert-butyl ether (ETBE)	ND<2000	400	5.0
Hexachlorobutadiene	ND<2000	400	5.0	2-Hexanone	ND<2000	400	5.0
Iodomethane (Methyl Iodide)	ND<2000	400	5.0	Isopropylbenzene	ND<2000	400	5.0
4-Isopropyl toluene	ND<2000	400	5.0	Methyl-t-butyl ether (MTBE)	ND<2000	400	5.0
Methylene chloride	ND<2000	400	5.0	4-Methyl-2-pentanone (MIBK)	ND<2000	400	5.0
Naphthalene	4600	400	5.0	n-Propyl benzene	2000	400	5.0
Styrene	ND<2000	400	5.0	1,1,1,2-Tetrachloroethane	ND<2000	400	5.0
1,1,2,2-Tetrachloroethane	ND<2000	400	5.0	Tetrachloroethene	ND<2000	400	5.0
Toluene	ND<2000	400	5.0	1,2,3-Trichlorobenzene	ND<2000	400	5.0
1,2,4-Trichlorobenzene	ND<2000	400	5.0	1,1,1-Trichloroethane	ND<2000	400	5.0
1,1,2-Trichloroethane	ND<2000	400	5.0	Trichloroethene	ND<2000	400	5.0
Trichlorofluoromethane	ND<2000	400	5.0	1,2,3-Trichloropropane	ND<2000	400	5.0
1,2,4-Trimethylbenzene	8600	400	5.0	1,3,5-Trimethylbenzene	4200	400	5.0
Vinyl Acetate	ND<20,000	400	50	Vinyl Chloride	ND<2000	400	5.0
Xylenes	8200	400	5.0				

Surrogate Recoveries (%)

%SS1	78.0	%SS2	99.1
%SS3.	85.7		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present, i) liquid sample that contains greater than ~2 vol % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method. SW5030B | Analytical Method. SW8260B | Work Order. 0211094

Lab ID	0211094-023A
Client ID	B-11@16'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<10,000	200	50	tert-Amyl methyl ether (TAME)	ND<1000	200	5.0
Benzene	ND<1000	200	5.0	Bromobenzene	ND<1000	200	5.0
Bromochloromethane	ND<1000	200	5.0	Bromodichloromethane	ND<1000	200	5.0
Bromoform	ND<1000	200	5.0	Bromomethane	ND<1000	200	5.0
2-Butanone (MEK)	ND<2000	200	10	t-Butyl alcohol (TBA)	ND<5000	200	25
n-Butyl benzene	ND<1000	200	5.0	sec-Butyl benzene	ND<1000	200	5.0
tert-Butyl benzene	ND<1000	200	5.0	Carbon Disulfide	ND<1000	200	5.0
Carbon Tetrachloride	ND<1000	200	5.0	Chlorobenzene	ND<1000	200	5.0
Chloroethane	ND<1000	200	5.0	2-Chloroethyl Vinyl Ether	ND<1000	200	5.0
Chloroform	ND<1000	200	5.0	Chloromethane	ND<1000	200	5.0
2-Chlorotoluene	ND<1000	200	5.0	4-Chlorotoluene	ND<1000	200	5.0
Dibromochloromethane	ND<1000	200	5.0	1,2-Dibromo-3-chloropropane	ND<1000	200	5.0
1,2-Dibromoethane (EDB)	ND<1000	200	5.0	Dibromomethane	ND<1000	200	5.0
1,2-Dichlorobenzene	ND<1000	200	5.0	1,3-Dichlorobenzene	ND<1000	200	5.0
1,4-Dichlorobenzene	ND<1000	200	5.0	Dichlorodifluoromethane	ND<1000	200	5.0
1,1-Dichloroethane	ND<1000	200	5.0	1,2-Dichloroethane (1,2-DCA)	ND<1000	200	5.0
1,1-Dichloroethene	ND<1000	200	5.0	cis-1,2-Dichloroethene	ND<1000	200	5.0
trans-1,2-Dichloroethene	ND<1000	200	5.0	1,2-Dichloropropane	ND<1000	200	5.0
1,3-Dichloropropane	ND<1000	200	5.0	2,2-Dichloropropane	ND<1000	200	5.0
1,1-Dichloropropene	ND<1000	200	5.0	cis-1,3-Dichloropropene	ND<1000	200	5.0
trans-1,3-Dichloropropene	ND<1000	200	5.0	Diisopropyl ether (DIPE)	ND<1000	200	5.0
Ethylbenzene	ND<1000	200	5.0	Ethyl tert-butyl ether (ETBE)	ND<1000	200	5.0
Hexachlorobutadiene	ND<1000	200	5.0	2-Hexanone	ND<1000	200	5.0
Iodomethane (Methyl iodide)	ND<1000	200	5.0	Isopropylbenzene	ND<1000	200	5.0
4-Isopropyl toluene	ND<1000	200	5.0	Methyl-t-butyl ether (MTBE)	ND<1000	200	5.0
Methylene chloride	ND<1000	200	5.0	4-Methyl-2-pentanone (MIBK)	ND<1000	200	5.0
Naphthalene	3200	200	5.0	n-Propyl benzene	ND<1000	200	5.0
Styrene	ND<1000	200	5.0	1,1,1,2-Tetrachloroethane	ND<1000	200	5.0
1,1,2,2-Tetrachloroethane	ND<1000	200	5.0	Tetrachloroethene	ND<1000	200	5.0
Toluene	ND<1000	200	5.0	1,2,3-Trichlorobenzene	ND<1000	200	5.0
1,2,4-Trichlorobenzene	ND<1000	200	5.0	1,1,1-Trichloroethane	ND<1000	200	5.0
1,1,2-Trichloroethane	ND<1000	200	5.0	Trichloroethene	ND<1000	200	5.0
Trichlorofluoromethane	ND<1000	200	5.0	1,2,3-Trichloropropane	ND<1000	200	5.0
1,2,4-Trimethylbenzene	ND<1000	200	5.0	1,3,5-Trimethylbenzene	ND<1000	200	5.0
Vinyl Acetate	ND<10,000	200	50	Vinyl Chloride	ND<1000	200	5.0
Xylenes	ND<1000	200	5.0				

Surrogate Recoveries (%)

%SS1:	76.8	%SS2:	101
%SS3:	86.5		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present, i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/08/02-11/12/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method SW8260B Work Order: 0211094

Lab ID	0211094-024A
Client ID	B-13@14'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<10,000	200	50	tert-Amyl methyl ether (TAME)	ND<1000	200	5.0
Benzene	ND<1000	200	5.0	Bromobenzene	ND<1000	200	5.0
Bromochloromethane	ND<1000	200	5.0	Bromodichloromethane	ND<1000	200	5.0
Bromoform	ND<1000	200	5.0	Bromomethane	ND<1000	200	5.0
2-Butanone (MEK)	ND<2000	200	10	t-Butyl alcohol (TBA)	ND<5000	200	25
n-Butyl benzene	ND<1000	200	5.0	sec-Butyl benzene	ND<1000	200	5.0
tert-Butyl benzene	ND<1000	200	5.0	Carbon Disulfide	ND<1000	200	5.0
Carbon Tetrachloride	ND<1000	200	5.0	Chlorobenzene	ND<1000	200	5.0
Chloroethane	ND<1000	200	5.0	2-Chloroethyl Vinyl Ether	ND<1000	200	5.0
Chloroform	ND<1000	200	5.0	Chloromethane	ND<1000	200	5.0
2-Chlorotoluene	ND<1000	200	5.0	4-Chlorotoluene	ND<1000	200	5.0
Dibromochloromethane	ND<1000	200	5.0	1,2-Dibromo-3-chloropropane	ND<1000	200	5.0
1,2-Dibromoethane (EDB)	ND<1000	200	5.0	Dibromomethane	ND<1000	200	5.0
1,2-Dichlorobenzene	ND<1000	200	5.0	1,3-Dichlorobenzene	ND<1000	200	5.0
1,4-Dichlorobenzene	ND<1000	200	5.0	Dichlorodifluoromethane	ND<1000	200	5.0
1,1-Dichloroethane	ND<1000	200	5.0	1,2-Dichloroethane (1,2-DCA)	ND<1000	200	5.0
1,1-Dichloroethene	ND<1000	200	5.0	cis-1,2-Dichloroethene	ND<1000	200	5.0
trans-1,2-Dichloroethene	ND<1000	200	5.0	1,2-Dichloropropane	ND<1000	200	5.0
1,3-Dichloropropane	ND<1000	200	5.0	2,2-Dichloropropane	ND<1000	200	5.0
1,1-Dichloropropene	ND<1000	200	5.0	cis-1,3-Dichloropropene	ND<1000	200	5.0.
trans-1,3-Dichloropropene	ND<1000	200	5.0	Diisopropyl ether (DIPE)	ND<1000	200	5.0
Ethylbenzene	ND<1000	200	5.0	Ethyl tert-butyl ether (ETBE)	ND<1000	200	5.0
Hexachlorobutadiene	ND<1000	200	5.0	2-Hexanone	ND<1000	200	5.0
Iodomethane (Methyl iodide)	ND<1000	200	5.0	Isopropylbenzene	ND<1000	200	5.0
4-Isopropyl toluene	ND<1000	200	5.0	Methyl-t-butyl ether (MTBE)	ND<1000	200	5.0
Methylene chloride	ND<1000	200	5.0	4-Methyl-2-pentanone (MIBK)	ND<1000	200	5.0
Naphthalene	ND<1000	200	5.0	n-Propyl benzene	ND<1000	200	5.0
Styrene	ND<1000	200	5.0	1,1,1,2-Tetrachloroethane	ND<1000	200	5.0
1,1,2,2-Tetrachloroethane	ND<1000	200	5.0	Tetrachloroethene	ND<1000	200	5.0
Toluene	ND<1000	200	5.0	1,2,3-Trichlorobenzene	ND<1000	200	5.0
1,2,4-Trichlorobenzene	ND<1000	200	5.0	1,1,1-Trichloroethane	ND<1000	200	5.0
1,1,2-Trichloroethane	ND<1000	200	5.0	Trichloroethene	ND<1000	200	5.0
Trichlorofluoromethane	ND<1000	200	5.0	1,2,3-Trichloropropane	ND<1000	200	5.0
1,2,4-Trimethylbenzene	ND<1000	200	5.0	1,3,5-Trimethylbenzene	ND<1000	200	5.0
Vinyl Acetate	ND<10,000	200	50	Vinyl Chloride	ND<1000	200	5.0
Xylenes	ND<1000	200	5.0				

Surrogate Recoveries (%)

%SS1	75.8	%SS2	100
%SS3	93.4		

Comments: i

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment, j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/09/02-11/11/02
	Client P.O.:	Date Analyzed: 11/09/02-11/11/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-025C
Client ID	B-12
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<50	10	5.0	tert-Amyl methyl ether (TAME)	ND<5.0	10	0.5
Benzene	63	10	0.5	Bromobenzene	ND<5.0	10	0.5
Bromochloromethane	ND<5.0	10	0.5	Bromodichloromethane	ND<5.0	10	0.5
Bromoform	ND<5.0	10	0.5	Bromomethane	ND<5.0	10	0.5
2-Butanone (MEK)	ND<10	10	1.0	t-Butyl alcohol (TBA)	ND<50	10	5.0
n-Butyl benzene	47	10	0.5	sec-Butyl benzene	52	10	0.5
tert-Butyl benzene	ND<5.0	10	0.5	Carbon Disulfide	ND<5.0	10	0.5
Carbon Tetrachloride	ND<5.0	10	0.5	Chlorobenzene	ND<5.0	10	0.5
Chloroethane	ND<5.0	10	0.5	2-Chloroethyl Vinyl Ether	ND<5.0	10	0.5
Chloroform	ND<5.0	10	0.5	Chloromethane	ND<5.0	10	0.5
2-Chlorotoluene	ND<5.0	10	0.5	4-Chlorotoluene	ND<5.0	10	0.5
Dibromochloromethane	ND<5.0	10	0.5	1,2-Dibromo-3-chloropropane	ND<5.0	10	0.5
1,2-Dibromoethane (EDB)	ND<5.0	10	0.5	Dibromomethane	ND<5.0	10	0.5
1,2-Dichlorobenzene	ND<5.0	10	0.5	1,3-Dichlorobenzene	ND<5.0	10	0.5
1,4-Dichlorobenzene	ND<5.0	10	0.5	Dichlorodifluoromethane	ND<5.0	10	0.5
1,1-Dichloroethane	ND<5.0	10	0.5	1,2-Dichloroethane (1,2-DCA)	ND<5.0	10	0.5
1,1-Dichloroethene	ND<5.0	10	0.5	cis-1,2-Dichloroethene	ND<5.0	10	0.5
trans-1,2-Dichloroethene	ND<5.0	10	0.5	1,2-Dichloropropane	ND<5.0	10	0.5
1,3-Dichloropropane	ND<5.0	10	0.5	2,2-Dichloropropane	ND<5.0	10	0.5
1,1-Dichloropropene	ND<5.0	10	0.5	cis-1,3-Dichloropropene	ND<5.0	10	0.5
trans-1,3-Dichloropropene	ND<5.0	10	0.5	Diisopropyl ether (DIPE)	ND<5.0	10	0.5
Ethylbenzene	21	10	0.5	Ethyl tert-butyl ether (ETBE)	ND<5.0	10	0.5
Hexachlorobutadiene	ND<5.0	10	0.5	2-Hexanone	ND<5.0	10	0.5
Iodomethane (Methyl iodide)	ND<5.0	10	0.5	Isopropylbenzene	120	10	0.5
4-Isopropyl toluene	ND<5.0	10	0.5	Methyl-t-butyl ether (MTBE)	ND<5.0	10	0.5
Methylene chloride	ND<5.0	10	0.5	4-Methyl-2-pentanone (MIBK)	ND<5.0	10	0.5
Naphthalene	38	10	0.5	n-Propyl benzene	210	10	0.5
Styrene	ND<5.0	10	0.5	1,1,1,2-Tetrachloroethane	ND<5.0	10	0.5
1,1,2,2-Tetrachloroethane	ND<5.0	10	0.5	Tetrachloroethene	ND<5.0	10	0.5
Toluene	13	10	0.5	1,2,3-Trichlorobenzene	ND<5.0	10	0.5
1,2,4-Trichlorobenzene	ND<5.0	10	0.5	1,1,1-Trichloroethane	ND<5.0	10	0.5
1,1,2-Trichloroethane	ND<5.0	10	0.5	Trichloroethene	ND<5.0	10	0.5
Trichlorofluoromethane	ND<5.0	10	0.5	1,2,3-Trichloropropane	ND<5.0	10	0.5
1,2,4-Trimethylbenzene	6.5	10	0.5	1,3,5-Trimethylbenzene	ND<5.0	10	0.5
Vinyl Acetate	ND<50	10	5.0	Vinyl Chloride	ND<5.0	10	0.5
Xylenes	26	10	0.5				

Surrogate Recoveries (%)

%SS1:	107	%SS2:	102
%SS3:	87 6		

Comments: h,i

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Clayton Group Services 6920 Koll Center Pkwy, Ste. 216 Pleasanton, CA 94566	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02
		Date Received: 11/06/02
	Client Contact: Jesse Edmonds	Date Extracted: 11/09/02-11/11/02
	Client P.O.:	Date Analyzed: 11/09/02-11/11/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211094

Lab ID	0211094-026C
Client ID	B-14
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<10	2.0	5.0	tert-Amyl methyl ether (TAME)	ND<1	2.0	0.5
Benzene	ND<1	2.0	0.5	Bromobenzene	ND<1	2.0	0.5
Bromochloromethane	ND<1	2.0	0.5	Bromodichloromethane	ND<1	2.0	0.5
Bromoform	ND<1	2.0	0.5	Bromomethane	ND<1	2.0	0.5
2-Butanone (MEK)	ND<2.0	2.0	1.0	t-Butyl alcohol (TBA)	ND<10	2.0	5.0
n-Butyl benzene	ND<1	2.0	0.5	sec-Butyl benzene	ND<1	2.0	0.5
tert-Butyl benzene	ND<1	2.0	0.5	Carbon Disulfide	1.5	2.0	0.5
Carbon Tetrachloride	ND<1	2.0	0.5	Chlorobenzene	ND<1	2.0	0.5
Chloroethane	ND<1	2.0	0.5	2-Chloroethyl Vinyl Ether	ND<1	2.0	0.5
Chloroform	ND<1	2.0	0.5	Chloromethane	ND<1	2.0	0.5
2-Chlorotoluene	ND<1	2.0	0.5	4-Chlorotoluene	ND<1	2.0	0.5
Dibromochloromethane	ND<1	2.0	0.5	1,2-Dibromo-3-chloropropane	ND<1	2.0	0.5
1,2-Dibromoethane (EDB)	ND<1	2.0	0.5	Dibromomethane	ND<1	2.0	0.5
1,2-Dichlorobenzene	ND<1	2.0	0.5	1,3-Dichlorobenzene	ND<1	2.0	0.5
1,4-Dichlorobenzene	ND<1	2.0	0.5	Dichlorodifluoromethane	ND<1	2.0	0.5
1,1-Dichloroethane	ND<1	2.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND<1	2.0	0.5
1,1-Dichloroethene	ND<1	2.0	0.5	cis-1,2-Dichloroethene	ND<1	2.0	0.5
trans-1,2-Dichloroethene	ND<1	2.0	0.5	1,2-Dichloropropane	ND<1	2.0	0.5
1,3-Dichloropropane	ND<1	2.0	0.5	2,2-Dichloropropane	ND<1	2.0	0.5
1,1-Dichloropropene	ND<1	2.0	0.5	cis-1,3-Dichloropropene	ND<1	2.0	0.5
trans-1,3-Dichloropropene	ND<1	2.0	0.5	Diisopropyl ether (DIPE)	2.4	2.0	0.5
Ethylbenzene	ND<1	2.0	0.5	Ethyl tert-butyl ether (ETBE)	ND<1	2.0	0.5
Hexachlorobutadiene	ND<1	2.0	0.5	2-Hexanone	ND<1	2.0	0.5
Iodomethane (Methyl iodide)	ND<1	2.0	0.5	Isopropylbenzene	ND<1	2.0	0.5
4-Isopropyl toluene	ND<1	2.0	0.5	Methyl-t-butyl ether (MTBE)	ND<1	2.0	0.5
Methylene chloride	ND<1	2.0	0.5	4-Methyl-2-pentanone (MIBK)	ND<1	2.0	0.5
Naphthalene	30	2.0	0.5	n-Propyl benzene	ND<1	2.0	0.5
Styrene	ND<1	2.0	0.5	1,1,1,2-Tetrachloroethane	ND<1	2.0	0.5
1,1,2,2-Tetrachloroethane	ND<1	2.0	0.5	Tetrachloroethene	ND<1	2.0	0.5
Toluene	2.0	2.0	0.5	1,2,3-Trichlorobenzene	ND<1	2.0	0.5
1,2,4-Trichlorobenzene	ND<1	2.0	0.5	1,1,1-Trichloroethane	ND<1	2.0	0.5
1,1,2-Trichloroethane	ND<1	2.0	0.5	Trichloroethene	ND<1	2.0	0.5
Trichlorofluoromethane	ND<1	2.0	0.5	1,2,3-Trichloropropane	ND<1	2.0	0.5
1,2,4-Trimethylbenzene	ND<1	2.0	0.5	1,3,5-Trimethylbenzene	ND<1	2.0	0.5
Vinyl Acetate	ND<10	2.0	5.0	Vinyl Chloride	ND<1	2.0	0.5
Xylenes	ND<1	2.0	0.5				

Surrogate Recoveries (%)

%SS1:	107	%SS2:	101
%SS3:	89.9		

Comments: h

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/09/02
	Client P.O.:	Date Analyzed: 11/09/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211094

Lab ID	0211094-027C
Client ID	B-15
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<50	10	5.0	tert-Amyl methyl ether (TAME)	ND<5.0	10	0 5
Benzene	ND<5.0	10	0.5	Bromobenzene	ND<5.0	10	0.5
Bromochloromethane	ND<5.0	10	0.5	Bromodichloromethane	ND<5.0	10	0.5
Bromoform	ND<5.0	10	0.5	Bromomethane	ND<5.0	10	0.5
2-Butanone (MEK)	ND<10	10	1.0	t-Butyl alcohol (TBA)	ND<50	10	5 0
n-Butyl benzene	ND<5.0	10	0.5	sec-Butyl benzene	ND<5.0	10	0.5
tert-Butyl benzene	5.3	10	0.5	Carbon Disulfide	ND<5.0	10	0.5
Carbon Tetrachloride	ND<5.0	10	0.5	Chlorobenzene	ND<5.0	10	0.5
Chloroethane	ND<5.0	10	0.5	2-Chloroethyl Vinyl Ether	ND<5.0	10	0.5
Chloroform	ND<5.0	10	0.5	Chloromethane	ND<5.0	10	0.5
2-Chlorotoluene	ND<5.0	10	0.5	4-Chlorotoluene	ND<5.0	10	0.5
Dibromochloromethane	ND<5.0	10	0.5	1,2-Dibromo-3-chloropropane	ND<5.0	10	0.5
1,2-Dibromoethane (EDB)	ND<5.0	10	0.5	Dibromomethane	ND<5.0	10	0.5
1,2-Dichlorobenzene	ND<5.0	10	0.5	1,3-Dichlorobenzene	ND<5.0	10	0.5
1,4-Dichlorobenzene	ND<5.0	10	0.5	Dichlorodifluoromethane	ND<5.0	10	0.5
1,1-Dichloroethane	ND<5.0	10	0.5	1,2-Dichloroethane (1,2-DCA)	ND<5.0	10	0.5
1,1-Dichloroethene	ND<5.0	10	0.5	cis-1,2-Dichloroethene	ND<5.0	10	0.5
trans-1,2-Dichloroethene	ND<5.0	10	0.5	1,2-Dichloropropane	ND<5.0	10	0.5
1,3-Dichloropropane	ND<5.0	10	0.5	2,2-Dichloropropane	ND<5.0	10	0.5
1,1-Dichloropropene	ND<5.0	10	0.5	cis-1,3-Dichloropropene	ND<5.0	10	0.5
trans-1,3-Dichloropropene	ND<5.0	10	0.5	Diisopropyl ether (DIPE)	ND<5.0	10	0.5
Ethylbenzene	ND<5.0	10	0.5	Ethyl tert-butyl ether (ETBE)	ND<5.0	10	0.5
Hexachlorobutadiene	ND<5.0	10	0.5	2-Hexanone	ND<5.0	10	0 5
Iodomethane (Methyl iodide)	ND<5.0	10	0.5	Isopropylbenzene	ND<5.0	10	0.5
4-Isopropyl toluene	ND<5.0	10	0.5	Methyl-t-butyl ether (MTBE)	ND<5.0	10	0.5
Methylene chloride	ND<5.0	10	0.5	4-Methyl-2-pentanone (MIBK)	ND<5.0	10	0.5
Naphthalene	ND<5.0	10	0.5	n-Propyl benzene	ND<5.0	10	0.5
Styrene	ND<5.0	10	0.5	1,1,1,2-Tetrachloroethane	ND<5.0	10	0.5
1,1,2,2-Tetrachloroethane	ND<5.0	10	0.5	Tetrachloroethene	ND<5.0	10	0.5
Toluene	ND<5.0	10	0.5	1,2,3-Trichlorobenzene	ND<5.0	10	0.5
1,2,4-Trichlorobenzene	ND<5.0	10	0.5	1,1,1-Trichloroethane	ND<5.0	10	0.5
1,1,2-Trichloroethane	ND<5.0	10	0.5	Trichloroethene	ND<5.0	10	0.5
Trichlorofluoromethane	ND<5.0	10	0.5	1,2,3-Trichloropropane	ND<5.0	10	0.5
1,2,4-Trimethylbenzene	ND<5.0	10	0.5	1,3,5-Trimethylbenzene	ND<5.0	10	0.5
Vinyl Acetate	ND<50	10	5.0	Vinyl Chloride	ND<5.0	10	0.5
Xylenes	ND<5.0	10	0.5				

Surrogate Recoveries (%)

%SS1:	117	%SS2:	93.6
%SS3:	89.1		

Comments: h,i

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/09/02
	Client P.O.:	Date Analyzed: 11/09/02

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order 0211094

Lab ID	0211094-028C
Client ID	B-16
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<25	5.0	5.0	tert-Amyl methyl ether (TAME)	ND<2.5	5.0	0.5
Benzene	ND<2.5	5.0	0.5	Bromobenzene	ND<2.5	5.0	0.5
Bromochloromethane	ND<2.5	5.0	0.5	Bromodichloromethane	ND<2.5	5.0	0.5
Bromoform	ND<2.5	5.0	0.5	Bromomethane	ND<2.5	5.0	0.5
2-Butanone (MEK)	ND<5.0	5.0	1.0	t-Butyl alcohol (TBA)	ND<25	5.0	5.0
n-Butyl benzene	ND<2.5	5.0	0.5	sec-Butyl benzene	ND<2.5	5.0	0.5
tert-Butyl benzene	6.4	5.0	0.5	Carbon Disulfide	ND<2.5	5.0	0.5
Carbon Tetrachloride	ND<2.5	5.0	0.5	Chlorobenzene	ND<2.5	5.0	0.5
Chloroethane	ND<2.5	5.0	0.5	2-Chloroethyl Vinyl Ether	ND<2.5	5.0	0.5
Chloroform	ND<2.5	5.0	0.5	Chloromethane	ND<2.5	5.0	0.5
2-Chlorotoluene	ND<2.5	5.0	0.5	4-Chlorotoluene	ND<2.5	5.0	0.5
Dibromochloromethane	ND<2.5	5.0	0.5	1,2-Dibromo-3-chloropropane	ND<2.5	5.0	0.5
1,2-Dibromoethane (EDB)	ND<2.5	5.0	0.5	Dibromomethane	ND<2.5	5.0	0.5
1,2-Dichlorobenzene	ND<2.5	5.0	0.5	1,3-Dichlorobenzene	ND<2.5	5.0	0.5
1,4-Dichlorobenzene	ND<2.5	5.0	0.5	Dichlorodifluoromethane	ND<2.5	5.0	0.5
1,1-Dichloroethane	ND<2.5	5.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND<2.5	5.0	0.5
1,1-Dichloroethene	ND<2.5	5.0	0.5	cis-1,2-Dichloroethene	ND<2.5	5.0	0.5
trans-1,2-Dichloroethene	ND<2.5	5.0	0.5	1,2-Dichloropropane	ND<2.5	5.0	0.5
1,3-Dichloropropane	ND<2.5	5.0	0.5	2,2-Dichloropropane	ND<2.5	5.0	0.5
1,1-Dichloropropene	ND<2.5	5.0	0.5	cis-1,3-Dichloropropene	ND<2.5	5.0	0.5
trans-1,3-Dichloropropene	ND<2.5	5.0	0.5	Diisopropyl ether (DIPE)	ND<2.5	5.0	0.5
Ethylbenzene	ND<2.5	5.0	0.5	Ethyl tert-butyl ether (ETBE)	ND<2.5	5.0	0.5
Hexachlorobutadiene	ND<2.5	5.0	0.5	2-Hexanone	ND<2.5	5.0	0.5
Iodomethane (Methyl iodide)	ND<2.5	5.0	0.5	Isopropylbenzene	ND<2.5	5.0	0.5
4-Isopropyl toluene	ND<2.5	5.0	0.5	Methyl-t-butyl ether (MTBE)	ND<2.5	5.0	0.5
Methylene chloride	ND<2.5	5.0	0.5	4-Methyl-2-pentanone (MIBK)	ND<2.5	5.0	0.5
Naphthalene	ND<2.5	5.0	0.5	n-Propyl benzene	ND<2.5	5.0	0.5
Styrene	ND<2.5	5.0	0.5	1,1,1,2-Tetrachloroethane	ND<2 5	5.0	0.5
1,1,2,2-Tetrachloroethane	ND<2.5	5.0	0.5	Tetrachloroethene	ND<2.5	5.0	0.5
Toluene	ND<2.5	5.0	0.5	1,2,3-Trichlorobenzene	ND<2.5	5.0	0.5
1,2,4-Trichlorobenzene	ND<2.5	5.0	0.5	1,1,1-Trichloroethane	ND<2.5	5.0	0.5
1,1,2-Trichloroethane	ND<2.5	5.0	0.5	Trichloroethene	ND<2.5	5.0	0.5
Trichlorofluoromethane	ND<2.5	5.0	0.5	1,2,3-Trichloropropane	ND<2.5	5.0	0.5
1,2,4-Trimethylbenzene	ND<2.5	5.0	0.5	1,3,5-Trimethylbenzene	ND<2.5	5.0	0.5
Vinyl Acetate	ND<25	5.0	5.0	Vinyl Chloride	ND<2.5	5 0	0.5
Xylenes	ND<2.5	5.0	0.5				

Surrogate Recoveries (%)

%SS1:	118	%SS2:	95.7
%SS3:	91.8		

Comments: i

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/06/02-11/09/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method· SW3550C Analytical Method· SW8270D Work Order: 0211094

Lab ID	0211094-001A
Client ID	Area 1-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Anthracene	ND	1.0	0.33	Benzidine	ND	1.0	1.6
Benzoic Acid	ND	1.0	1.6	Benz(a)anthracene	ND	1.0	0.33
Benzo(b)fluoranthene	ND	1.0	0.33	Benzo(k)fluoranthene	ND	1.0	0.33
Benzo(g,h,i)perylene	ND	1.0	0.33	Benzo(a)pyrene	ND	1.0	0.33
Benzyl Alcohol	ND	1.0	0.66	Bis (2-chloroethoxy) Methane	ND	1.0	0.33
Bis (2-chloroethyl) Ether	ND	1.0	0.33	Bis (2-chloroisopropyl) Ether	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	2-Nitrophenol	ND	1.0	1.6
4-Nitrophenol	ND	1.0	1.6	Nitrobenzene	ND	1.0	0.33
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1	87.8	%SS2	89.5
%SS3.	90.2	%SS4	83.7
%SS5·	86.8	%SS6:	85.9

Comments

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol % sediment; j) sample diluted due to high organic content

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/06/02-11/09/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0211094

Lab ID	0211094-004A
Client ID	Area 2-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Anthracene	ND	1.0	0.33	Benzidine	ND	1.0	1.6
Benzoic Acid	ND	1.0	1.6	Benz(a)anthracene	ND	1.0	0.33
Benzo(b)fluoranthene	ND	1.0	0.33	Benzo(k)fluoranthene	ND	1.0	0.33
Benzo(g,h,i)perylene	ND	1.0	0.33	Benzo(a)pyrene	ND	1.0	0.33
Benzyl Alcohol	ND	1.0	0.66	Bis (2-chloroethoxy) Methane	ND	1.0	0.33
Bis (2-chloroethyl) Ether	ND	1.0	0.33	Bis (2-chloroisopropyl) Ether	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	2-Nitrophenol	ND	1.0	1.6
4-Nitrophenol	ND	1.0	1.6	Nitrobenzene	ND	1.0	0.33
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	4.8	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1	84.1	%SS2	86.3
%SS3.	82.7	%SS4:	81.0
%SS5:	82.6	%SS6	78.2

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

surrogate diluted out of range.

h) lighter than water immiscible sheen/product is present, i) liquid sample that contains greater than ~2 vol. % sediment, j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Clayton Group Services 6920 Koll Center Pkwy, Ste. 216 Pleasanton, CA 94566	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
		Date Received: 11/06/02
	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/06/02-11/09/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C | Analytical Method: SW8270D | Work Order: 0211094

Lab ID	0211094-005A
Client ID	Area 2-B
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Anthracene	ND	1.0	0.33	Benzidine	ND	1.0	1.6
Benzoic Acid	ND	1.0	1.6	Benz(a)anthracene	ND	1.0	0.33
Benzo(b)fluoranthene	ND	1.0	0.33	Benzo(k)fluoranthene	ND	1.0	0.33
Benzo(g,h,i)perylene	ND	1.0	0.33	Benzo(a)pyrene	ND	1.0	0.33
Benzyl Alcohol	ND	1.0	0.66	Bis (2-chloroethoxy) Methane	ND	1.0	0.33
Bis (2-chloroethyl) Ether	ND	1.0	0.33	Bis (2-chloroisopropyl) Ether	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	2-Nitrophenol	ND	1.0	1.6
4-Nitrophenol	ND	1.0	1.6	Nitrobenzene	ND	1.0	0.33
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1	94.3	%SS2	88.3
%SS3	88.8	%SS4	91.2
%SS5	80.9	%SS6	87.2

Comments

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

surrogate diluted out of range

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/06/02-11/09/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0211094

Lab ID	0211094-008A
Client ID	Area 3-B
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Anthracene	ND	1.0	0.33	Benzidine	ND	1.0	1.6
Benzoic Acid	ND	1.0	1.6	Benz(a)anthracene	ND	1.0	0.33
Benzo(b)fluoranthene	ND	1.0	0.33	Benzo(k)fluoranthene	ND	1.0	0.33
Benzo(g,h,i)perylene	ND	1.0	0.33	Benzo(a)pyrene	ND	1.0	0.33
Benzyl Alcohol	ND	1.0	0.66	Bis (2-chloroethoxy) Methane	ND	1.0	0.33
Bis (2-chloroethyl) Ether	ND	1.0	0.33	Bis (2-chloroisopropyl) Ether	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	1.4	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	2.4	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	2-Nitrophenol	ND	1.0	1.6
4-Nitrophenol	ND	1.0	1.6	Nitrobenzene	ND	1.0	0.33
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1	105	%SS2	91.4
%SS3	107	%SS4	80.5
%SS5	80.7	%SS6	80.3

Comments.

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range.

h) lighter than water immiscible sheen/product is present, i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/06/02-11/09/02

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0211094

Lab ID	0211094-010A
Client ID	Area 4-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<13	40	0.33	Acenaphthylene	ND<13	40	0.33
Anthracene	ND<13	40	0.33	Benzidine	ND<64	40	1.6
Benzoic Acid	ND<64	40	1.6	Benz(a)anthracene	ND<13	40	0.33
Benzo(b)fluoranthene	ND<13	40	0.33	Benzo(k)fluoranthene	ND<13	40	0.33
Benzo(g,h,i)perylene	ND<13	40	0.33	Benzo(a)pyrene	ND<13	40	0.33
Benzyl Alcohol	ND<26	40	0.66	Bis (2-chloroethoxy) Methane	ND<13	40	0.33
Bis (2-chloroethyl) Ether	ND<13	40	0.33	Bis (2-chloroisopropyl) Ether	ND<13	40	0.33
Bis (2-ethylhexyl) Phthalate	ND<13	40	0.33	4-Bromophenyl Phenyl Ether	ND<13	40	0.33
Butylbenzyl Phthalate	ND<13	40	0.33	4-Chloroaniline	ND<26	40	0.66
4-Chloro-3-methylphenol	ND<13	40	0.33	2-Chloronaphthalene	ND<13	40	0.33
2-Chlorophenol	ND<13	40	0.33	4-Chlorophenyl Phenyl Ether	ND<13	40	0.33
Chrysene	ND<13	40	0.33	Dibenzo(a,h)anthracene	ND<13	40	0.33
Dibenzofuran	ND<13	40	0.33	Di-n-butyl Phthalate	ND<13	40	0.33
1,2-Dichlorobenzene	ND<13	40	0.33	1,3-Dichlorobenzene	ND<13	40	0.33
1,4-Dichlorobenzene	ND<13	40	0.33	3,3-Dichlorobenzidine	ND<26	40	0.66
2,4-Dichlorophenol	ND<13	40	0.33	Diethyl Phthalate	ND<13	40	0.33
2,4-Dimethylphenol	ND<13	40	0.33	Dimethyl Phthalate	ND<13	40	0.33
4,6-Dinitro-2-methylphenol	ND<64	40	1.6	2,4-Dinitrophenol	ND<64	40	1.6
2,4-Dinitrotoluene	ND<13	40	0.33	2,6-Dinitrotoluene	ND<13	40	0.33
Di-n-octyl Phthalate	ND<13	40	0.33	1,2-Diphenylhydrazine	ND<13	40	0.33
Fluoranthene	ND<13	40	0.33	Fluorene	ND<13	40	0.33
Hexachlorobenzene	ND<13	40	0.33	Hexachlorobutadiene	ND<13	40	0.33
Hexachlorocyclopentadiene	ND<64	40	1.6	Hexachloroethane	ND<13	40	0.33
Indeno (1,2,3-cd) pyrene	ND<13	40	0.33	Isophorone	ND<13	40	0.33
2-Methylnaphthalene	ND<13	40	0.33	2-Methylphenol (o-Cresol)	ND<13	40	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<13	40	0.33	Naphthalene	ND<13	40	0.33
2-Nitroaniline	ND<64	40	1.6	3-Nitroaniline	ND<64	40	1.6
4-Nitroaniline	ND<64	40	1.6	2-Nitrophenol	ND<64	40	1.6
4-Nitrophenol	ND<64	40	1.6	Nitrobenzene	ND<13	40	0.33
N-Nitrosodiphenylamine	ND<13	40	0.33	N-Nitrosodi-n-propylamine	ND<13	40	0.33
Pentachlorophenol	ND<64	40	1.6	Phenanthrene	ND<13	40	0.33
Phenol	ND<13	40	0.33	Pyrene	ND<13	40	0.33
1,2,4-Trichlorobenzene	ND<13	40	0.33	2,4,5-Trichlorophenol	ND<13	40	0.33
2,4,6-Trichlorophenol	ND<13	40	0.33				

Surrogate Recoveries (%)

%SS1:	87.2	%SS2:	87.6
%SS3	82.1	%SS4:	91.0
%SS5	80.7	%SS6	94.7

Comments: j

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

surrogate diluted out of range

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/07/02-11/11/02

CAM / CCR 17 Metals*

Lab ID	0211094-001A	0211094-001B	0211094-002A	0211094-002B	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Area 1-A	B-3@3'	Area 1-B	B-2@6'		
Matrix	S	S	S	S	S	W
Extraction Type	TTLC	TTLC	TTLC	TTLC	mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: 6010C | Extraction Method: SW3050B | Work Order: 0211094

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	2.5	NA
Barium	130	130	140	110	2.5	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.5	NA
Chromium	35	36	33	51	0.5	NA
Cobalt	29	8 8	8 0	10	2.0	NA
Copper	21	21	21	16	2.0	NA
Lead	15	11	6 5	7 3	3.0	NA
Molybdenum	ND	ND	ND	ND	2.0	NA
Nickel	48	46	41	74	2.0	NA
Silver	ND	ND	ND	ND	1.0	NA
Vanadium	32	32	35	30	2.0	NA
Zinc	67	63	51	47	1.0	NA
%SS	103	94 6	92.0	93 8		

GFAA Metals, Concentration*

Analytical Method: SW7010 | Extraction Method: SW3050B

Dilution Factor	1	1	1	1	1	1
Arsenic	2.9	4.8	6 5	5.9	2.5	NA
Selenium	ND	ND	ND	ND	2.5	NA
Thallium	ND	ND	ND	ND	2.5	NA

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B | Extraction Method: SW7471B

Dilution Factor	1	1	1	1	1	1
Mercury	0.071	ND	ND	ND	0.06	NA
Comments						

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in µg/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

means surrogate recovery outside of acceptance range due to matrix interference, ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods EPA 6010C/200.7 for all elements except: 200 9 (water - Sb, As, Pb, Se, Tl), 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg)

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount, y) estimated values due to low surrogate recovery, z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/07/02-11/11/02

CAM / CCR 17 Metals*

Lab ID	0211094-001A	0211094-001B	0211094-002A	0211094-002B	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Area 1-A	B-3@3'	Area 1-B	B-2@6'		
Matrix	S	S	S	S	S	W
Extraction Type	TTLC	TTLC	TTLC	TTLC	mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: 6010C Extraction Method: SW3050B Work Order: 0211094

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	2.5	NA
Barium	130	130	140	110	2.5	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.5	NA
Chromium	35	36	33	51	0.5	NA
Cobalt	29	8.8	8.0	10	2.0	NA
Copper	21	21	21	16	2.0	NA
Lead	15	11	6.5	7.3	3.0	NA
Molybdenum	ND	ND	ND	ND	2.0	NA
Nickel	48	46	41	74	2.0	NA
Silver	ND	ND	ND	ND	1.0	NA
Vanadium	32	32	35	30	2.0	NA
Zinc	67	63	51	47	1.0	NA
%SS:	103	94.6	92.0	93.8		

GFAA Metals, Concentration*

Analytical Method: SW7010 Extraction Method: SW3050B

Dilution Factor	1	1	1	1	1	1
Arsenic	2.9	4.8	6.5	5.9	2.5	NA
Selenium	ND	ND	ND	ND	2.5	NA
Thallium	ND	ND	ND	ND	2.5	NA

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B Extraction Method: SW7471B

Dilution Factor	1	1	1	1	1	1
Mercury	0.071	ND	ND	ND	0.06	NA
Comments						

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in µg/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

means surrogate recovery outside of acceptance range due to matrix interference, ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl), 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl), 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/07/02-11/11/02

CAM / CCR 17 Metals*

Lab ID	0211094-003A	0211094-004A	0211094-004B	0211094-005A	Reporting Limit for DF =1, ND means not detected above the reporting limit	
Client ID	Area 1-C	Area 2-A	B-5@3'	Area 2-B		
Matrix	S	S	S	S	S	W
Extraction Type	TTLC	TTLC	TTLC	TTLC	mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: 6010C | Extraction Method: SW3050B | Work Order: 0211094

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	2.5	NA
Barium	230	120	160	150	2.5	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	0.55	0.58	ND	0.5	NA
Chromium	16	31	34	31	0.5	NA
Cobalt	5.4	11	13	10	2.0	NA
Copper	15	20	22	19	2.0	NA
Lead	6.3	26	24	13	3.0	NA
Molybdenum	ND	ND	ND	ND	2.0	NA
Nickel	24	46	50	39	2.0	NA
Silver	ND	ND	ND	ND	1.0	NA
Vanadium	23	33	32	30	2.0	NA
Zinc	24	72	64	46	10	NA
%SS	98.2	95.9	94.5	93.6		

GFAA Metals, Concentration*

Analytical Method: SW7010 | Extraction Method: SW3050B

Dilution Factor	1	1	1	1	1	1
Arsenic	ND	4.7	6.1	3.3	2.5	NA
Selenium	ND	ND	ND	ND	2.5	NA
Thallium	ND	ND	ND	ND	2.5	NA

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B | Extraction Method: SW7471B

Dilution Factor	1	1	1	1	1	1
Mercury	ND	0.079	0.079	0.067	0.06	NA
Comments						

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in µg/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

means surrogate recovery outside of acceptance range due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water - Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl), 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

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Clayton Group Services 6920 Koll Center Pkwy, Ste. 216 Pleasanton, CA 94566	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
		Date Received: 11/06/02
	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/07/02-11/11/02

CAM / CCR 17 Metals*

Lab ID	0211094-007B	0211094-008A	0211094-008B	0211094-008C	Reporting Limit for DF =1, ND means not detected above the reporting limit	
Client ID	B-12@3'	Area 3-B	B-9@6'	B-10@6'		
Matrix	S	S	S	S	S	W
Extraction Type	TTLC	TTLC	TTLC	TTLC	mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: 6010C | Extraction Method: SW3050B | Work Order: 0211094

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	2.5	NA
Barium	130	140	120	110	2.5	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.5	NA
Chromium	29	31	31	31	0.5	NA
Cobalt	9.2	10	6.7	8.5	2.0	NA
Copper	17	18	16	18	2.0	NA
Lead	280	10	6.7	6.1	3.0	NA
Molybdenum	ND	ND	ND	ND	2.0	NA
Nickel	41	45	41	42	2.0	NA
Silver	ND	ND	ND	ND	1.0	NA
Vanadium	27	30	30	28	2.0	NA
Zinc	160	79	49	55	1.0	NA
%SS:	94.7	96.4	97.5	95.0		

GFAA Metals, Concentration*

Analytical Method: SW7010 | Extraction Method: SW3050B

Dilution Factor	1	1	1	1	1	1
Arsenic	4.2	5.0	5.5	3.8	2.5	NA
Selenium	ND	ND	ND	ND	2.5	NA
Thallium	ND	ND	ND	ND	2.5	NA

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B | Extraction Method: SW7471B

Dilution Factor	1	1	1	1	1	1
Mercury	0.28	0.061	ND	ND	0.06	NA
Comments						

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in µg/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

means surrogate recovery outside of acceptance range due to matrix interference, ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl), 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl), 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/07/02-11/11/02

CAM / CCR 17 Metals*

Lab ID	0211094-025D	0211094-026D	0211094-027D	0211094-028D	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	B-12	B-14	B-15	B-16		
Matrix	W	W	W	W	S	W
Extraction Type	DISS.	DISS.	DISS.	DISS.	mg/kg	DISS.(mg/L)

ICP Metals, Concentration*

Analytical Method: E200.7 Extraction Method: E200.7 Work Order: 0211094

Dilution Factor	1	1	1	1	1	1
Barium	0.16	0.17	0.17	0.34	NA	0.05
Beryllium	ND	ND	ND	ND	NA	0.004
Cadmium	ND	ND	ND	ND	NA	0.005
Chromium	ND	ND	ND	ND	NA	0.02
Cobalt	ND	ND	ND	ND	NA	0.05
Copper	ND	ND	ND	ND	NA	0.05
Molybdenum	0.070	ND	ND	ND	NA	0.05
Nickel	ND	ND	ND	ND	NA	0.05
Silver	ND	ND	ND	ND	NA	0.01
Vanadium	ND	ND	ND	ND	NA	0.05
Zinc	ND	ND	ND	ND	NA	0.05
%SS:	N/A	N/A	N/A	N/A		

GFAA Metals, Concentration*

Analytical Method: E200.9 Extraction Method: E200.9

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	NA	0.006
Arsenic	ND	0.0213	0.0101	0.0128	NA	0.005
Lead	ND	ND	ND	ND	NA	0.005
Selenium	ND	ND	ND	ND	NA	0.005
Thallium	ND	ND	ND	ND	NA	0.005

Cold Vapor Metals, Concentration*

Analytical Method: E245.1 Extraction Method: E245.1

Dilution Factor					1	1
Mercury	ND	ND	ND	ND	NA	0.0008
Comments						

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in µg/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L

means surrogate recovery outside of acceptance range due to matrix interference; ND means not detected above the reporting limit, N/A means not applicable to this sample or instrument

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl), 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl), 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

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Clayton Group Services 6920 Koll Center Pkwy, Ste. 216 Pleasanton, CA 94566	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/04/02-11/05/02
		Date Received: 11/06/02
	Client Contact: Jesse Edmonds	Date Extracted: 11/06/02
	Client P.O.:	Date Analyzed: 11/06/02

pH*

Analytical Method: SM4500H+B — Work Order: 0211094

Lab ID	Client ID	Matrix	pH
0211094-025E	B-12	W	6.86 @ 19.1°C
0211094-026E	B-14	W	6.91 @ 19 2°C
0211094-027E	B-15	W	6.92 @ 18 6°C
0211094-028E	B-16	W	6.72 @ 18.0°C

Method Accuracy and Reporting Units	W	±0 05, pH units @ °C
	S	NA

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Clayton Group Services 6920 Koll Center Pkwy, Ste. 216 Pleasanton, CA 94566	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
		Date Received: 11/06/02
	Client Contact: Jesse Edmonds	Date Extracted: 11/15/02-11/17/02
	Client P.O.:	Date Analyzed: 11/18/02

ICP Metals*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0211094

Lab ID	Client ID	Matrix	Extraction	Copper	Lead	DF	% SS
010A	Area 4-A	S	STLC	0.17	0.65	1	N/A
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	NA	NA		
	S	STLC	0 05	0.2	mg/L		

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in µg/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

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Clayton Group Services	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
6920 Koll Center Pkwy, Ste. 216		Date Received: 11/06/02
Pleasanton, CA 94566	Client Contact: Jesse Edmonds	Date Extracted: 11/15/02-11/17/02
	Client P.O.:	Date Analyzed: 11/18/02

Lead by ICP*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0211094

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0211094-007A	Area 3-A	S	STLC	11	1	N/A
0211094-009A	Area 3-C	S	STLC	1.3	1	N/A

Reporting Limit for DF =1, ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	STLC	0.2	mg/L

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in µg/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245 1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl), 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

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Clayton Group Services 6920 Koll Center Pkwy, Ste. 216 Pleasanton, CA 94566	Client Project ID: #70-03365.01; Green City Lofts	Date Sampled: 11/05/02
		Date Received: 11/06/02
	Client Contact: Jesse Edmonds	Date Extracted: 11/15/02-11/16/02
	Client P.O.:	Date Analyzed: 11/18/02

Lead by ICP*

Extraction method. SW1311 Analytical methods SW6010C Work Order: 0211094

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0211094-009A	Area 3-C	S	TCLP	ND	1	N/A
0211094-010A	Area 4-A	S	TCLP	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TCLP	0.2	mg/L

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in µg/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200 9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0211094

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 4796 Spiked Sample ID: 0211139-010A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(gas)	ND	0.60	107	112	4 48	114	114	0.250	80	120
MTBE	ND	0.10	86 9	96.1	10.0	105	109	3.50	80	120
Benzene	ND	0.10	93 8	94.5	0.705	99 7	98.7	1.07	80	120
Toluene	ND	0 10	90 1	95 8	6 14	106	109	2.47	80	120
Ethylbenzene	ND	0 10	96 6	98 4	1 89	102	99.8	2.10	80	120
Xylenes	ND	0 30	93 3	96 7	3 51	100	96.7	3.39	80	120
%SS.	104	100	97	97.5	0 572	99.1	98 8	0.337	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate, RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked), RPD = 100 * (MS – MSD) / (MS + MSD) * 2

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix. S WorkOrder: 0211094

EPA Method· SW8021B/8015Cm Extraction: SW5030B BatchID· 4793 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec	% RPD	% Rec.	% Rec	% RPD	Low	High
TPH(gas)	N/A	0 60	N/A	N/A	N/A	96.8	100	3.29	80	120
MTBE	N/A	0 10	N/A	N/A	N/A	91	86.9	4 57	80	120
Benzene	N/A	0 10	N/A	N/A	N/A	102	101	1.25	80	120
Toluene	N/A	0 10	N/A	N/A	N/A	114	111	2 03	80	120
Ethylbenzene	N/A	0 10	N/A	N/A	N/A	109	108	0.318	80	120
Xylenes	N/A	0 30	N/A	N/A	N/A	110	110	0	80	120
%SS	N/A	100	N/A	N/A	N/A	112	108	3.48	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate, LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content

% Recovery = 100 * (MS-Sample) / (Amount Spiked), RPD = 100 * (MS – MSD) / (MS + MSD) * 2

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix. W WorkOrder 0211094

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 4787 Spiked Sample ID. 0211106-003A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(gas)	ND	60	99 1	97.1	2.01	101	103	2 13	80	120
MTBE	ND	10	93.2	91.3	2 08	87.4	86 1	1.50	80	120
Benzene	ND	10	90 6	88.6	2 31	91.4	89 9	1.64	80	120
Toluene	ND	10	96 9	93.3	3.72	95 1	94	1.21	80	120
Ethylbenzene	ND	10	99 6	97	2 64	94.3	94 5	0.186	80	120
Xylenes	ND	30	99	94.7	4 48	98 7	99	0.337	80	120
%SS.	103	100	97 1	97 7	0 636	91.6	88 7	3.25	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike, MSD = Matrix Spike Duplicate, LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate, RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked), RPD = 100 * (MS – MSD) / (MS + MSD) * 2

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0211094

EPA Method: SW8015C	Extraction: SW3550C			BatchID: 4797		Spiked Sample ID: N/A				
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec	% Rec	% RPD	% Rec	% Rec	% RPD	Low	High
TPH(d)	N/A	150	N/A	N/A	N/A	92.2	90.7	1.68	70	130
%SS:	N/A	100	N/A	N/A	N/A	95.6	94.2	1.48	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content

% Recovery = 100 * (MS-Sample) / (Amount Spiked) RPD = 100 * (MS – MSD) / (MS + MSD) * 2

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0211094

EPA Method: SW8015C	Extraction: SW3550C			BatchID: 4798		Spiked Sample ID: N/A				
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec	% RPD	% Rec.	% Rec	% RPD	Low	High
TPH(d)	N/A	150	N/A	N/A	N/A	92.5	90.3	2.41	70	130
%SS:	N/A	100	N/A	N/A	N/A	112	109	2.61	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions.

NONE

MS = Matrix Spike, MSD = Matrix Spike Duplicate, LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate, RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked), *RPD = 100 * (MS – MSD) / (MS + MSD) * 2*

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder. 0211094

EPA Method: SW8015C	Extraction: SW3550C			BatchID: 4791		Spiked Sample ID: N/A				
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	150	N/A	N/A	N/A	89.4	89.8	0.387	70	130
%SS	N/A	100	N/A	N/A	N/A	93.5	93.8	0.334	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike, MSD = Matrix Spike Duplicate, LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked), RPD = 100 * (MS – MSD) / (MS + MSD) * 2

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0211094

EPA Method: SW8015C	Extraction. SW3510C			BatchID 4783		Spiked Sample ID: N/A				
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	93 5	93 7	0.173	70	130
%SS.	N/A	100	N/A	N/A	N/A	96.8	96.1	0.794	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate, LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery

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QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0211094

EPA Method: SW8260B	Extraction. SW5030B		BatchID: 4801			Spiked Sample ID: N/A				
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec	% Rec	% RPD	% Rec	% Rec.	% RPD	Low	High
tert-Amyl methyl ether (TAME)	N/A	50	N/A	N/A	N/A	82.7	105	24.2	70	130
Benzene	N/A	50	N/A	N/A	N/A	98.7	106	7.36	70	130
Chlorobenzene	N/A	50	N/A	N/A	N/A	96.6	110	12.6	70	130
1,1-Dichloroethene	N/A	50	N/A	N/A	N/A	90 9	108	17 4	70	130
Diisopropyl ether (DIPE)	N/A	50	N/A	N/A	N/A	93.6	91.1	2.72	70	130
Ethyl tert-butyl ether (ETBE)	N/A	50	N/A	N/A	N/A	88 7	106	17 9	70	130
Methyl-t-butyl ether (MTBE)	N/A	50	N/A	N/A	N/A	85 9	107	22 1	70	130
Toluene	N/A	50	N/A	N/A	N/A	103	102	1.25	70	130
Trichloroethene	N/A	50	N/A	N/A	N/A	79 5	94.2	16.9	70	130
%SS1	N/A	100	N/A	N/A	N/A	71 5	108	40 7	70	130
%SS2	N/A	100	N/A	N/A	N/A	106	92.1	14.1	70	130
%SS3	N/A	100	N/A	N/A	N/A	93.8	91 3	2 63	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike, MSD = Matrix Spike Duplicate, LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate, RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content

% Recovery = 100 * (MS-Sample) / (Amount Spiked), RPD = 100 * (MS – MSD) / (MS + MSD) * 2

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery

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QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0211094

EPA Method: SW8260B Extraction: SW5030B BatchID. 4800 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec	% RPD	% Rec.	% Rec.	% RPD	Low	High
Benzene	N/A	50	N/A	N/A	N/A	110	110	0.113	70	130
tert-Amyl methyl ether (TAME)	N/A	50	N/A	N/A	N/A	106	103	2 37	70	130
Chlorobenzene	N/A	50	N/A	N/A	N/A	115	111	2.89	70	130
1,1-Dichloroethene	N/A	50	N/A	N/A	N/A	73 3	75.9	3.44	70	130
Methyl-t-butyl ether (MTBE)	N/A	50	N/A	N/A	N/A	105	103	1.91	70	130
Toluene	N/A	50	N/A	N/A	N/A	113	108	4 19	70	130
Trichloroethene	N/A	50	N/A	N/A	N/A	90.6	90.7	0 157	70	130
Diisopropyl ether (DIPE)	N/A	50	N/A	N/A	N/A	91 2	87.7	3.90	70	130
Ethyl tert-butyl ether (ETBE)	N/A	50	N/A	N/A	N/A	102	98 2	3.97	70	130
%SS1.	N/A	100	N/A	N/A	N/A	106	103	2.60	70	130
%SS2·	N/A	100	N/A	N/A	N/A	94.8	93.2	1 67	70	130
%SS3.	N/A	100	N/A	N/A	N/A	93.7	93.4	0 307	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions·

NONE

MS = Matrix Spike, MSD = Matrix Spike Duplicate, LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate, RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery

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QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0211094

EPA Method: SW8260B Extraction: SW5030B BatchID: 4779 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec	% Rec.	% RPD	Low	High
Benzene	N/A	50	N/A	N/A	N/A	118	122	3.36	70	130
tert-Amyl methyl ether (TAME)	N/A	50	N/A	N/A	N/A	100	101	0.764	70	130
Chlorobenzene	N/A	50	N/A	N/A	N/A	106	109	3 49	70	130
1,1-Dichloroethene	N/A	50	N/A	N/A	N/A	93.3	94.2	0.985	70	130
Methyl-t-butyl ether (MTBE)	N/A	50	N/A	N/A	N/A	120	118	1.96	70	130
Toluene	N/A	50	N/A	N/A	N/A	107	111	3 24	70	130
Trichloroethene	N/A	50	N/A	N/A	N/A	85 6	88 5	3.37	70	130
Diisopropyl ether (DIPE)	N/A	50	N/A	N/A	N/A	120	123	1 89	70	130
Ethyl tert-butyl ether (ETBE)	N/A	50	N/A	N/A	N/A	105	106	1 55	70	130
%SS1.	N/A	100	N/A	N/A	N/A	95.6	93.7	2.03	70	130
%SS2:	N/A	100	N/A	N/A	N/A	98 7	99.8	1.14	70	130
%SS3:	N/A	100	N/A	N/A	N/A	101	101	0.319	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike, MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery

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QC SUMMARY REPORT FOR SW8260B

Matrix: W WorkOrder: 0211094

EPA Method: SW8260B	Extraction: SW5030B		BatchID: 4776			Spiked Sample ID N/A				
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Benzene	N/A	10	N/A	N/A	N/A	129	119	8.52	70	130
tert-Amyl methyl ether (TAME)	N/A	10	N/A	N/A	N/A	117	114	2.44	70	130
Chlorobenzene	N/A	10	N/A	N/A	N/A	111	97.3	13.0	70	130
1,1-Dichloroethene	N/A	10	N/A	N/A	N/A	82 7	84.2	1 77	70	130
Methyl-t-butyl ether (MTBE)	N/A	10	N/A	N/A	N/A	125	128	2.28	70	130
Toluene	N/A	10	N/A	N/A	N/A	110	98.6	11.0	70	130
Trichloroethene	N/A	10	N/A	N/A	N/A	98.4	80.6	19.9	70	130
Diisopropyl ether (DIPE)	N/A	10	N/A	N/A	N/A	127	125	2.22	70	130
Ethyl tert-butyl ether (ETBE)	N/A	10	N/A	N/A	N/A	119	122	2.49	70	130
%SS1:	N/A	100	N/A	N/A	N/A	102	111	8 25	70	130
%SS2:	N/A	100	N/A	N/A	N/A	101	91.8	9.59	70	130
%SS3:	N/A	100	N/A	N/A	N/A	108	99 7	8.39	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions.

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate, RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR SW8270D

Matrix. S WorkOrder: 0211094

EPA Method: SW8270D Extraction. SW3550C BatchID: 4635 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec	% Rec	% RPD	% Rec.	% Rec.	% RPD	Low	High
Acenaphthene	N/A	2	N/A	N/A	N/A	86.4	84	2 83	30	130
4-Chloro-3-methylphenol	N/A	4	N/A	N/A	N/A	84 8	84 3	0 597	30	130
2-Chlorophenol	N/A	4	N/A	N/A	N/A	95.7	94.5	1 28	30	130
1,4-Dichlorobenzene	N/A	2	N/A	N/A	N/A	92 9	92.5	0.453	30	130
2,4-Dinitrotoluene	N/A	2	N/A	N/A	N/A	86 1	82.7	3.99	30	130
4-Nitrophenol	N/A	4	N/A	N/A	N/A	63	61	3.10	30	130
N-Nitrosodi-n-propylamine	N/A	2	N/A	N/A	N/A	83.5	86 6	3 57	30	130
Pentachlorophenol	N/A	4	N/A	N/A	N/A	60 9	62.5	2.54	30	130
Phenol	N/A	4	N/A	N/A	N/A	86 7	85 6	1 38	30	130
Pyrene	N/A	2	N/A	N/A	N/A	88 4	86 5	2.22	30	130
1,2,4-Trichlorobenzene	N/A	2	N/A	N/A	N/A	83 4	82	1 69	30	130
%SS1	N/A	100	N/A	N/A	N/A	99 9	95 9	4.02	30	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate, RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content

% Recovery = 100 * (MS-Sample) / (Amount Spiked), RPD = 100 * (MS – MSD) / (MS + MSD) * 2

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery

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QC SUMMARY REPORT FOR SW8082A

Matrix S WorkOrder: 0211094

EPA Method: SW8082A	Extraction SW3550C		BatchID: 4799			Spiked Sample ID: N/A				
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
PCB	N/A	75	N/A	N/A	N/A	106	106	0.290	70	130
%SS	N/A	100	N/A	N/A	N/A	83	82.4	0.757	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate, LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content

% Recovery = 100 * (MS-Sample) / (Amount Spiked), RPD = 100 * (MS – MSD) / (MS + MSD) * 2

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR CAM17

Matrix: S WorkOrder: 0211094

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
EPA Method: 6010C	Extraction: SW3050B				BatchID: 4769				Spiked Sample ID: 0211088-009A	
Antimony	ND	500	84 1	81.9	2 58	109	107	1.92	70	130
Barium	31.41	500	95 9	94.5	1.38	85.4	93.7	9.26	70	130
Beryllium	ND	500	109	107	1 21	117	112	3.73	70	130
Cadmium	ND	500	124	120	3 19	94 2	106	12.1	70	130
Chromium	38.25	500	90 3	90.6	0.364	88.1	99.3	12.0	70	130
Cobalt	13.89	500	88 8	86 9	2.12	96.9	106	9.16	70	130
Copper	13.15	500	103	104	0.965	93 7	103	9.81	70	130
Lead	6.878	500	90 3	91 2	0.952	80.6	91 6	12.8	70	130
Molybdenum	ND	500	90.1	91.1	1 07	89	92.7	4.07	70	130
Nickel	51.48	500	87 4	89 6	2 22	88.6	94.4	6.31	70	130
Silver	ND	50	72 5	71 6	1.20	85.6	83.9	2.01	70	130
Vanadium	36.07	500	95 9	97.2	1.22	99.1	108	8.84	70	130
Zinc	51.02	500	96	93.5	2 39	97 9	109	11 2	70	130
%SS	89.6	100	93 5	92.5	1.00	99.7	101	1.76	70	130
EPA Method: SW7010	Extraction: SW3050B				BatchID: 4766				Spiked Sample ID: N/A	
Arsenic	N/A	5	N/A	N/A	N/A	91 1	89.5	1.75	70	130
Selenium	N/A	5	N/A	N/A	N/A	89.4	95	6 12	70	130
Thallium	N/A	5	N/A	N/A	N/A	106	104	1.63	70	130
EPA Method: SW7471B	Extraction: SW7471B				BatchID: 4804				Spiked Sample ID: 0211094-010C	
Mercury	ND	0 25	110	110	0 0457	106	110	4.16	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR CAM17

Matrix: W WorkOrder: 0211094

Compound	Sample mg/L	Spiked mg/L	MS* % Rec	MSD* % Rec.	MS-MSD* % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
EPA Method: E200.7	Extraction. E200 7				BatchID: 4767			Spiked Sample ID: N/A		
Barium	N/A	10	N/A	N/A	N/A	106	104	2.30	70	130
Beryllium	N/A	10	N/A	N/A	N/A	117	118	0.407	70	130
Cadmium	N/A	10	N/A	N/A	N/A	99.8	94.7	5.21	70	130
Chromium	N/A	10	N/A	N/A	N/A	103	100	2.78	70	130
Cobalt	N/A	10	N/A	N/A	N/A	102	99	3.02	70	130
Copper	N/A	10	N/A	N/A	N/A	106	99.3	6.73	70	130
Molybdenum	N/A	10	N/A	N/A	N/A	106	100	4.98	70	130
Nickel	N/A	10	N/A	N/A	N/A	106	101	3.98	70	130
Silver	N/A	1	N/A	N/A	N/A	93.9	94 9	0.982	70	130
Vanadium	N/A	10	N/A	N/A	N/A	102	97	4.60	70	130
Zinc	N/A	10	N/A	N/A	N/A	101	102	1.21	70	130
%SS	N/A	100	N/A	N/A	N/A	102	101	0.969	70	130
EPA Method: E200.9	Extraction. E200 9				BatchID. 4742			Spiked Sample ID: N/A		
Antimony	N/A	0.010	N/A	N/A	N/A	128	113	29.7	70	130
Arsenic	N/A	0.010	N/A	N/A	N/A	82 4	88.1	6.70	70	130
Lead	N/A	0 010	N/A	N/A	N/A	93	102	9.27	70	130
Selenium	N/A	0.010	N/A	N/A	N/A	86.5	82 2	5.21	70	130
Thallium	N/A	0 010	N/A	N/A	N/A	88.7	95.8	7.65	70	130
EPA Method: E245 1	Extraction: E245 1				BatchID: 4773			Spiked Sample ID: N/A		
Mercury	N/A	0.0020	N/A	N/A	N/A	104	100	4 22	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate, LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate, RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content

% Recovery = 100 * (MS-Sample) / (Amount Spiked), RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QC SUMMARY REPORT FOR WETCHEMISTRY TESTS

Test Method: pH **Matrix:** W **WorkOrder:** 0211094

Method Name: SM4500H+B			Units: ±, pH units			BatchID: 4743
SampleID	Sample	DF	Dup / SD	DF	RD	Acceptance Criteria
0211094-025E	6.86	1	6.85	1	0.010	±0.2
0211094-026E	6.91	1	6.93	1	0.020	±0.2
0211094-027E	6.92	1	6.91	1	0.010	±0.2
0211094-028E	6.72	1	6.71	1	0.010	±0.2

Dup = Duplicate; SD = Serial Dilution; MS = Matrix Spike; RD = Relative Difference, RPD = Relative Percent Deviation.

RD = Absolute Value (Sample - Duplicate); RPD = 100 * (Sample - Duplicate) / (Sample + Duplicate) * 2.

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http://www.mccampbell.com E-mail. main@mccampbell.com

QC SUMMARY REPORT FOR SW6010C

Matrix: S WorkOrder: 0211094

EPA Method: SW6010C Extraction: CA Title 22 BatchID: 4924 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec	% RPD	Low	High
Copper	N/A	10	N/A	N/A	N/A	86.8	82	5.78	70	130
Lead	N/A	10	N/A	N/A	N/A	97.1	94.2	3.08	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions.

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate, LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate, RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery

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QC SUMMARY REPORT FOR SW6010C

Matrix: S WorkOrder: 0211094

EPA Method: SW6010C	Extraction: SW1311		BatchID: 4925			Spiked Sample ID: N/A				
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Lead	N/A	10	N/A	N/A	N/A	88.3	89.4	1.18	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation

N/A = not enough sample to perform matrix spike and matrix spike duplicate
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked), RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

McCampbell Analytical Inc.
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Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0211094

Client:
Clayton Group Services
6920 Koll Center Pkwy, Ste. 216
Pleasanton, CA 94566

TEL: (925) 426-2600
FAX: (925) 426-0106
ProjectNo: #70-03365.01; Green City Lofts
PO:

Date Received: **11/6/02**
Date Printed: **#Name?**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					6010C	E200_7	E200_9	E245_1	SM4500H+B	SW6010C	SW7010
0211094-001	Area 1-A	Soil	11/5/02		A						A
0211094-001	B-3@3'	Soil	11/5/02		B						B
0211094-002	Area 1-B	Soil	11/5/02		A						A
0211094-002	B-2@6'	Soil	11/5/02		B						B
0211094-003	Area 1-C	Soil	11/5/02		A						A
0211094-003	B-1@11'	Soil	11/5/02								
0211094-003	B-4@10'	Soil	11/5/02								
0211094-004	Area 2-A	Soil	11/5/02		A						A
0211094-004	B-5@3'	Soil	11/5/02		B						B
0211094-005	Area 2-B	Soil	11/5/02		A						A
0211094-005	B-7@4'	Soil	11/5/02		B						B
0211094-005	B-8@5'	Soil	11/5/02		C						C
0211094-006	Area 2-C	Soil	11/5/02		A						A
0211094-006	B-6@9'	Soil	11/5/02								
0211094-007	Area 3-A	Soil	11/5/02		A					A	A
0211094-007	B-12@3'	Soil	11/5/02		B						B

Prepared by: _____

Comments: STLC Pb added for samples 009A and 007A STLC Pb Cu added for 010; TCLP Pb added for 009 and 010 added 11-15-02 5 day TAT

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
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CHAIN-OF-CUSTODY RECORD

WorkOrder: 0211094

Client:
Clayton Group Services
6920 Koll Center Pkwy, Ste. 216
Pleasanton, CA 94566

TEL. (925) 426-2600
FAX: (925) 426-0106
ProjectNo: #70-03365.01; Green City Lofts
PO:

Date Received **11/6/02**
Date Printed: **#Name?**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests					
					SW7471B	SW8015C	8021B/8015	SW8082A	SW8260B	SW8270D
0211094-001	Area 1-A	Soil	11/5/02		A	A	A	A	A	A
0211094-001	B-3@3'	Soil	11/5/02		B	B	B		B	
0211094-002	Area 1-B	Soil	11/5/02		A	A	A		A	
0211094-002	B-2@6'	Soil	11/5/02		B	B	B		B	
0211094-003	Area 1-C	Soil	11/5/02		A	A	A		A	
0211094-003	B-1@11'	Soil	11/5/02			B	B		B	
0211094-003	B-4@10'	Soil	11/5/02			C	C		C	
0211094-004	Area 2-A	Soil	11/5/02		A	A	A	A	A	A
0211094-004	B-5@3'	Soil	11/5/02		B	B	B		B	
0211094-005	Area 2-B	Soil	11/5/02		A	A	A	A	A	A
0211094-005	B-7@4'	Soil	11/5/02		B	B	B		B	
0211094-005	B-8@5'	Soil	11/5/02		C	C	C		C	
0211094-006	Area 2-C	Soil	11/5/02		A	A	A		A	
0211094-006	B-6@9'	Soil	11/5/02			B	B		B	
0211094-007	Area 3-A	Soil	11/5/02		A	A	A	A	A	A
0211094-007	B-12@3'	Soil	11/5/02		B	B	B		B	

Prepared by:

Comments: STLC Pb added for samples 009A and 007A STLC Pb Cu added for 010; TCLP Pb added for 009 and 010 added 11-15-02 5 day TAT

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 0211094

Client:
Clayton Group Services
6920 Koll Center Pkwy, Ste. 216
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TEL. (925) 426-2600
FAX: (925) 426-0106
ProjectNo: #70-03365.01; Green City Lofts
PO:

Date Received: **11/6/02**
Date Printed. **#Name?**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests: 6010C	E200_7	E200_9	E245_1	SM4500H+B	SW6010C	SW7010
0211094-008	Area 3-B	Soil	11/5/02		A						A
0211094-008	B-10@6'	Soil	11/5/02		C						C
0211094-008	B-9@6'	Soil	11/5/02		B						B
0211094-009	Area 3-C	Soil	11/5/02		A					A	A
0211094-009	B-11@10'	Soil	11/5/02								
0211094-010	Area 4-A	Soil	11/5/02		A					A	A
0211094-010	B-14@3'	Soil	11/5/02		B						B
0211094-010	B-16@3'	Soil	11/5/02		C						C
0211094-011	Area 4-B	Soil	11/5/02		A						A
0211094-012	Area 4-C	Soil	11/5/02		A						A
0211094-013	B-2@16'	Soil	11/4/02								
0211094-014	B-3@13'	Soil	11/4/02								
0211094-015	B-5@13'	Soil	11/5/02								
0211094-016	B-7@12'	Soil	11/5/02								
0211094-017	B-7@23'	Soil	11/5/02								
0211094-018	B-8@17'	Soil	11/5/02								

Prepared by:

Comments: STLC Pb added for samples 009A and 007A STLC Pb Cu added for 010; TCLP Pb added for 009 and 010 added 11-15-02 5 day TAT

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Pacheco, CA 94553-5560
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CHAIN-OF-CUSTODY RECORD

WorkOrder: 0211094

Client:
Clayton Group Services
6920 Koll Center Pkwy, Ste. 216
Pleasanton, CA 94566

TEL (925) 426-2600
FAX: (925) 426-0106
ProjectNo: #70-03365.01; Green City Lofts
PO:

Date Received: **11/6/02**
Date Printed: **#Name?**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					6010C	E200_7	E200_9	E245_1	SM4500H+B	SW6010C	SW7010
0211094-019	B-9@14'	Soil	11/5/02								
0211094-020	B-10@9"	Soil	11/5/02								
0211094-021	B-10@25'	Soil	11/5/02								
0211094-022	B-11@3'	Soil	11/5/02		A						A
0211094-023	B-11@16'	Soil	11/5/02								
0211094-024	B-13@14'	Soil	11/5/02								
0211094-025	B-12	Water	11/4/02	✔							
0211094-025	B-12	Water	11/4/02			D	D	D	E		
0211094-026	B-14	Water	11/4/02	✔							
0211094-026	B-14	Water	11/4/02			D	D	D	E		
0211094-027	B-15	Water	11/5/02			D	D	D	E		
0211094-028	B-16	Water	11/5/02			D	D	D	E		
0211094-029	B-11@6'	Soil	11/4/02	✔							
0211094-030	B-11@17'	Soil	11/4/02	✔							
0211094-031	B-11@24'	Soil	11/4/02	✔							
0211094-032	B-11@27'	Soil	11/4/02	✔							

Prepared by:

Comments: STLC Pb added for samples 009A and 007A STLC Pb Cu added for 010; TCLP Pb added for 009 and 010 added 11-15-02 5 day TAT

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Composites - Area 2

2

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: RUSH 24 HOUR 48 HOUR (5 DAY)

EDF Required? ☐ Yes ☑ No

Report To: Jesse Edmands Bill To: Same

Company: Clayton Group Services

6920 Koll Center Parkway, Suite 216, Pleasanton, CA 94566

E-mail: jedmands@claytongrp.com

Tele: 925.426.2626 Fax: 925.426.0106

Project #: 70-03365.01 Project Name: Green City Lofts

Project Location: 1007 41st Street, Emeryville, CA

Sampler Signature:

SAMPLE ID (Field Point Name)	Composite ~~LOCATION~~	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
B-5@3'		11-5-02					X				X			
B-6@3'							X							
B-7@2'							X							
B-8@3'							X							
B-5@6'							X							
B-6@6'							X							
B-7@4'							X							
B-8@5'							X							
B-5@9'							X							
B-6@9'							X							
B-7@8'							X							
B-8@9'							X							
							X							
							X							

AREA 2-A
AREA 2-B
AREA 2-C

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015) multi-scan	TPH-d, -mo, -ms, -k (8015)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 8260 with MTBE + Fuel OXYgenates	EPA 625 (8270)	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI
X	X					X	X	X	X				

Other: pH | Total Suspended Solids (TSS)

Comments:

Relinquished By:	Date:	Time:	Received By:
	11-6-02	1:25	
Relinquished By: ICE/T COOD CONDITION	Date: PRESERVATION APPROPRIATE CONTAINERS	Time:	Received By: VOAS O&G METALS OTHER
Relinquished By: ~~E~~ ABSENT ~~ON~~ LABORATED IN LAB	Date: PRESERVED IN LAB	Time:	Received By:

Remarks:

Discretely Analyze B-5@3' B-8@5' B-6@9' B-7@4' } See COC #5

Fuel OXYgenates: TAME, ETBE, DIPE, TBA, EDB, EDC

Composites - Area 3

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: RUSH 24 HOUR 48 HOUR (5 DAY)

EDF Required? ☐ Yes ☑ No

Report To: Jesse Edmands Bill To: Same

Company: Clayton Group Services

6920 Koll Center Parkway, Suite 216, Pleasanton, CA 94566

E-mail: jedmands@claytongrp.com

Tele: 925.426.2626 Fax: 925.426.0106

Project #: 70-03365.01 Project Name: Green City Lofts

Project Location: 1007 41st Street, Emeryville, CA

Sampler Signature:

SAMPLE ID (Field Point Name)	Composite ~~LOCATION~~	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
B-9 @ 1'		11-5-02					X				X			
B-10 @ 3'							X							
B-11 @ 2'							X							
B-12 @ 3'							X							
B-9 @ 6'							X							
B-10 @ 6'							X							
B-11 @ 7'							X							
B-12 @ 7'							X							
B-9 @ 10'							X							
B-10 @ 9'							X							
B-11 @ 10'							X							
B-12 @ 13'							X				√			
							X							
							X							

AREA 3-A AREA 3-B AREA 3-C

Analysis Request / Other / Comments

- BTEX & TPH as Gas (602/8020 + 8015) + methods
- TPH-d, -mo, -ms, -k (8015)
- Total Petroleum Hydrocarbons (418.1)
- EPA 601 / 8010
- BTEX ONLY (EPA 602 / 8020)
- EPA 608 / 8080
- EPA 608 / 8080 PCB's ONLY
- EPA 8260 with MTBE + Fuel Oxygenates
- EPA 625 / 8270
- PAH's / PNA's by EPA 625 / 8270 / 8310
- CAM-17 Metals
- LUFT 5 Metals
- Lead (7240/7421/239.2/6010)
- STLC Antimony, Thallium, TCLP Pb, Ni, Mo, Se
- pH
- Total Suspended Solids (TSS)

Relinquished By:	Date:	Time:	Received By:
	11-6-02	1:25	
Relinquished By:	Date.	Time	Received By:
			VOAS | O&G | METALS | OTHER
Relinquished By:	Date:	Time:	Received By:

~~ICE/t°~~ ~~DECHLORINATED IN LAB~~ ~~APPROPRIATE CONTAINERS~~ ~~PRESERVED IN LAB~~

Remarks:

Discretely Analyze B-12 @ 3'
B-9 @ 6'
B-10 @ 6'
B-11 @ 10'
} SEE COC #6

Fuel oxygenates: TAME, ETBE, DIPE, TBA, EDB, EDC

Composites - Area 4

4

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH 24 HOUR 48 HOUR (5 DAY)

EDF Required? ☐ Yes ☑ No

Added 11/8/02 per J. Edmonds

Report To: Jesse Edmands Bill To: Same

Company: Clayton Group Services

6920 Koll Center Parkway, Suite 216, Pleasanton, CA 94566

E-mail: jedmands@claytongrp.com

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Project #: 70-03365.01 Project Name: Green City Lofts

Project Location: 1007 41st Street, Emeryville, CA

Sampler Signature:

SAMPLE ID (Field Point Name)	Composite ~~LOCATION~~	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other
B-13@2'		11-5-02					X				X			
B-14@3'							X							
B-15@3'							X							
B-16@3'							X							
B-13@5'							X							
B-14@7'							X							
B-15@6'							X							
B-16@6'							X							
B-13@8'							X							
B-14@13'							X							
B-15@10'							X							
B-16@9'							X							
							X							
							X							

AREA 4-C AREA 4-B AREA 4-A

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015) = modified	TPH-d, -mo, -ms, -k (8015)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 8260 with MTBE + Fuel Oxygenates	EPA 625 (8270)	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010) + CoWA STLC & TCLP if Added 11/15/02	pH	Total Suspended Solids (TSS)	Other	Comments
X	X					X	X		X	X		X				

Relinquished By:	Date:	Time:	Received By:
	11-6-02	1:25	
Relinquished By:	Date:	Time:	Received By:
	PRESERVATION APPROPRIATE		VOAs O&G METALS OTHER
Relinquished By:	CONTAINERS:		Received By:
	DECHLORINATED IN LAB	PRESERVED IN LAB	

Remarks:

Discretely Analyze B-14@3' > SEE COC #6
B-16@3'

Fuel Oxygenates: TAME, ETBE, MTBE, TBA, EDB, EDC