SITE INVESTIGATION AND SOIL GAS SURVEY REPORT OAKLAND BUS TERMINAL 2103 SAN PABLO AVENUE OAKLAND, CALIFORNIA 94608

Green Star Environmental Report No. 11-1379

Report Prepared For:

FirstGroup America, Inc.
600 Vine Street
Cincinnati, OH 45202

July 5, 2011

Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California

Having reviewed the attached Groundwater Monitoring Event Report, being familiar with the project to which it relates, and understanding the guidelines of the San Francisco Bay Regional Water Quality Control Board, I hereby certify that the attached Subsurface Investigation and Soil Vapor Report, dated July 5, 2011, has been prepared and the related activities were conducted in accordance with the required standards.

05 JULY 2011

DATE

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Oakland Bus Terminal
2103 San Pablo Avenue
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I declare, under penalty of perjury, that the information and/or recommendations contained in the attached Soil Gas Survey and Investigation Report are true and correct to the best of my knowledge.

7-5-11

DATE

Todd Bachand
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1.0 INTRODUCTION

Green Star Environmental (Green Star) has been retained by Greyhound Lines, Inc. (Greyhound) to manage environmental issues related to the Oakland Bus Terminal located at 2103 San Pablo Avenue, Oakland, California ("Site"; Fuel Leak Case No. RO0000074 and Geotracker Global ID T0600100666). At the request of Alameda County Environmental Health (ACEH) in their letter dated April 13, 2010, a subsurface investigation and soil vapor sampling event was conducted at the Site between October 20 and 22, 2010 to document soil impacts related to the Site. A Workplan dated July 16, 2010 that details the scope of work documented by this report was approved by ACEH on September 2, 2010. This report documents the details related to the limited subsurface investigation and soil vapor sampling event. Table 1 presents a summary of previous environmental reports for the Site.

1.1 Background Information

Six, out-of-service underground storage tanks (USTs) were removed from the Site in 1989. The USTs were reportedly out of use for at least two decades prior to their removal. Subsurface investigations between 1989 and 1997 indicated that a relatively small area of impact to soil and groundwater of petroleum hydrocarbons was present at the Site. Tables 2 and 3 present cumulative summaries of groundwater data. Table 4 presents a cumulative summary of soil analytical results. A Site Location/USGS Topographic Map is presented as Figure 1. A Site Plan is illustrated in Figure 2.

A remediation system was operated from 1992 to 1997 to recover phase-separated hydrocarbons (PSH) and dissolved-phase impacts in groundwater utilizing, total fluids recovery pumps in four, four-inch diameter wells (ES-1, ES-5, BC-1 and ES-2). The recovered fluids were treated with an oil/water separator and activated carbon absorption columns prior to discharge to the sanitary sewer. Data indicate that the system was effective as PSH greater than 0.1-foot has not been detected since 1995. PSH was last detected at the Site in October 1997 in well ES-1.

On April 8, 2009, the well network was surveyed to mean sea level (msl) elevation and latitude and longitude using the North American Vertical Datum 1988 (NAVD88) and North American Datum 1983 (NAD83) coordinate systems by a California licensed surveyor.

1.2 Geology and Hydrogeology

According to the United States Geological Survey (USGS), the Site is underlain by unconsolidated Quaternary-aged sediments generally associated with beach and dune formations. Lake Merritt is the nearest surface water body at approximately 0.50-mile east-southeast from the Site. The Oakland Inner Harbor is located approximately 1.1 miles south-southwest of the Site. Groundwater in the area is utilized for limited irrigation and industrial purposes. The City of Oakland obtains its municipal and drinking water from the East Bay Municipal Utility District (EBMUD). EBMUD imports this water from the surface waters of the Sierra Nevada Mountain Range, located approximately 200 miles east of the Site.

Historically, shallow groundwater at the Site has ranged from approximately 12 to 22 feet below surface grade (approximately 3.6 to 9.7 feet above msl) while the groundwater flow direction at the Site has typically been in a radial pattern (ranging from west-southwest to the northwest).

2.0 SUBSURFACE INVESTIGATION

2.1 Soil Evaluation and Subsurface Conditions

Between October 20 and 22, 2010, twelve soil borings (B-1 to B-12) were advanced at the Site in order to evaluate subsurface conditions in the area of the former tankpit (Figure 3). The borings were advanced by Cascade Drilling, a water well driller licensed by the State of California using a direct-push rig to depths ranging from 15 to 20 feet below ground surface (bgs).

Soils observed during drilling activities were documented on boring logs in general accordance with the Unified Soil Classification System (USCS; Appendix A). Materials observed during drilling appeared to generally consist of fill materials near the surface (clays, gravel, concrete, etc.) which were underlain by native clays and clayey sands with some gravel intervals. Groundwater was encountered during drilling at depths ranging from 16 to 17 feet bgs in each boring except borings B-6 and B-11. In boring B-6, gravels prevented recovery of a soil core beneath 12.5 feet bgs. However, the end of the direct-push rod was wet, indicating groundwater had been reached. Due to refusal, boring B-11 was terminated at 15 feet bgs; groundwater was not encountered.

Soil samples were screened using a photoionization detector (PID) as well as by olfactory and visual observations. Soil samples collected from each boring were placed in plastic bags and allowed to equilibrate for at least ten minutes. The headspace within each bag was then screened using the PID and documented on the appropriate boring logs. No portion of soil used for field screening was submitted for laboratory analysis. Elevated PID readings and/or hydrocarbon odors were observed in each of the soil borings.

Samples selected for laboratory analysis were placed in labeled, laboratory prepared glassware and/or single-use 5 cm^3 Core N' One sampling capsules, immediately stored in an ice-cooled chest, and delivered under chain-of-custody for analysis to a California certified laboratory, McCampbell Analytical, Inc..

2.2 Soil Vapor Sample Collection

On October 20, 2010, four direct-push soil borings (SV-1, SV-2, SV-3a, and SV-3b) were advanced to approximately 5 feet bgs in an effort to collect soil vapor samples using Geoprobe soil vapor apparatus. A figure illustrating locations of soil vapor boring locations is presented as Figure 5. An expendable vapor point was placed near the bottom of an assembly of 1.25-inch diameter hollow steel rods. The assembly was then advanced into undisturbed soils and retracted twelve inches in order to expose an interval from which soil vapor could be drawn by vacuum. Single-use, ¼-inch diameter disposable polyethylene tubing was then attached to the apparatus with an O-ring to ensure a vacuum-tight seal. The adapter assembly was lowered through the center of the hollow drive rods to the specified depth and secured by threading into the expendable vapor point holder. Any void space at the surface around the soil vapor sampler was sealed with hydrated bentonite powder to prevent ambient air intrusion.

Four, one-liter Summa sampling and one, six-liter Summa purge canisters were used to purge or collect soil vapor samples. Sampling and purge canisters were connected together with a dedicated and sterilized manifold consisting of: a vapor-tight valve, a particulate filter, a flow restriction meter calibrated to 200 milliliters per minute (ml/min), a stainless steel tee-fitting, two vacuum gauges at either end of the flow controller, and connections for both purge and sampling canisters (manifold assembly). The manifold

assembly was attached to the tubing from the direct-push soil probe rods. The purge canister was attached to the end of the sampling manifold while the sample canisters were attached to the tee-fitting between the sample tubing and purge container. Teflon® tape was placed on the threads of each open fitting of the manifold assembly prior to attaching the sample tubing and sampling and purge canisters.

Each canister's initial vacuum was measured and recorded between -30 and -28 inches of mercury (in Hg). Leak tests were performed on each assembly by attaching and securing the sample and purge canisters to the manifold and opening the valves on the purge canister and the manifold and ensuring no change in vacuum occurred in the sample canister. The leak test was performed for approximately 10 minutes on each assembly.

To ensure a reliable soil vapor sample is collected with no ambient air intrusion down the probe rod, cotton balls were saturated with isopropyl alcohol and placed in a bowl under a heavy plastic shroud containing the manifold assembly and purge and sampling canisters.

Upon achieving a successful leak test and allowing for 20 minutes for equilibrium to be achieved, the purge canister valve was opened for a period of time to allow three calculated volumes of air to be purged. Purge volume was determined by calculating the internal volume of the tubing, vapor point holder and adapter and the volume of sampling void (created by retracting the boring rod). The purge vacuum gauge was continually monitored to ensure the proper decrease of vacuum occurred.

Upon achieving the targeted purge volume, the purge canister valve was closed and the sample canister valve was opened. The initial pressure and time of each sample was recorded. Upon reaching at least -5 in Hg or less, the sample canister valve was closed. Final pressure and time were recorded. It should be noted that only the sample from SV-2 reached a proper final pressure of -5 in Hg. This indicates low permeability soils were present at the sampling depth at borings SV-1, SV-3a, and SV-3b as an adequate volume of soil vapor could not be collected. However, a soil vapor sample was collected at SV-2. Following sampling, the sampling port of each canister was capped with a brass end-cap, properly labeled, and delivered under chain-of-custody to McCampbell Analytical, Inc.

2.3 Equipment Decontamination Procedures

Prior to use, non-disposable, down-hole equipment was decontaminated by a solution of laboratory grade soap and tap water followed by a rinse of distilled water, or in the case of drilling equipment, tap water applied at high pressure.

2.4 Field-Derived Waste

Decontamination fluids and soil cuttings were containerized in appropriately labeled, DOT-approved 55-gallon drums that were properly sealed and temporarily stored at the Site pending waste characterization and potential off-site disposal.

2.5 Site Restoration

Upon completion of soil boring and sampling activities, sampling apparatus was removed from each boring and the remaining void was backfilled using grout to within one-foot of the ground surface. Any remaining void was completed to surface grade with concrete to match surrounding surface conditions.

3.0 ANALYTICAL RESULTS

Selected soil samples were analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), methyl-tert-butyl-ether (MTBE), and gasoline range total petroleum hydrocarbons (TPH-g) via EPA Method 8021 and diesel range TPH (TPH-d) via EPA Method 8015. The soil vapor sample (SV-2) was analyzed for volatile organic compounds (VOCs) including BTEX and TPH-g via EPA Method TO-15; however, due to the presence of low permeability soils, the three other sample canisters were determined to contain insufficient sample volumes for analysis. A trip blank was transported to the laboratory with the samples, but was not analyzed as a review of field sample analytical results did not indicate any apparent quality control issues. Summaries of soil and soil vapor analytical results are presented as Tables 4 and 5, respectively. Analytical reports for the event are presented in Appendix B.

Analytes were differentiated into three groups for discussion purposes: BTEX, TPH, and other VOCs. Tables 4 and 5 present summaries of soil and soil vapor analytical data. Figures 4 and 5 illustrate analytical results for soil and soil vapor, respectively.

3.1 Soil

3.1.1 BTEX Constituents

Analytical results indicated at least one BTEX constituent was detected in 12 of 20 analyzed samples. Benzene was detected in seven samples at concentrations ranging from 0.0052 mg/Kg in B-1 (6.5') to 3.4 mg/Kg in B-8 (16'). Toluene was detected in five samples at concentrations ranging from 0.0049 mg/Kg in B-1 (14') to 1.1 mg/Kg in B-7 (16'). Ethylbenzene was detected in six samples at concentrations ranging from 0.021 mg/Kg in B-1 (14') to 7.3 mg/Kg in B-8 (16'). Xylenes were detected in eleven samples at concentrations ranging from 0.0043 in B-9 (13') to 13 mg/Kg in B-2 (15.5') and B-4 (15.5').

3.1.2 TPH Constituents

Analytical results indicated at least one TPH constituent was detected in 19 of 20 analyzed samples. TPH-g was detected in 13 samples at concentrations ranging from 1.2 mg/Kg in B-2 (7.5') to 2,600 mg/Kg in B-8 (16'). TPH-d was detected in 17 samples at concentrations ranging from 1.5 mg/Kg in B-7 (5.5') to 3,100 mg/Kg in B-8 (16').

3.1.3 Other VOCs

Analytical results indicated that MTBE was detected above laboratory detection limits only in one sample B-7 (16'), at a concentration of 5.9 mg/Kg. The samples were not analyzed for any other VOCs.

3.2 Soil Vapor

3.2.1 BTEX Constituents

Analytical results indicated that benzene was present at a concentration of 0.032 mg/m^3 in the sample SV-2. No other BTEX constituents were present above laboratory detection limits.

3.2.2 TPH Constituents

Analytical results indicated TPH-g was detected in soil vapor sample SV-2 at an estimated concentration of 8.70 mg/m^3. TPH-g was reported as an estimated value as a TPH-g standard was not analyzed with the sample for calibration verification. However, McCampbell Analytical, Inc. is confident in the accuracy of the result due to the calibration stability of laboratory equipment with respect to TPH analysis.

3.2.3 Other VOCs

Analytical results indicated concentrations of the four following VOCs were detected above laboratory detection limits: cyclohexane (0.0540 mg/m^3), hexane (0.200 mg/m^3), 4-methyl-2-pentanone (0.071 mg/m^3), and 1,2,4-trimethylbenzene (0.013 mg/m^3). Hexane and 1,2,4-trimethlybenzene are common fuel fractions. Cyclohexane and 4-methyl-2-pentanone, a derivative of acetone, are common laboratory contaminants.

3.3 Comparison of Chemicals of Concern to Regulatory Thresholds

Analytical results were compared to San Francisco Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) for each constituent, as applicable. Commercial/industrial, non-drinking water resource ESLs for shallow soils (<3 m) and deep soils (>3 m) and shallow soil gas (<3 m) for commercial/industrial land use only ESLs apply to the Site. ESLs, if established, are presented for each constituent in Tables 2 and 3.

3.3.1 Soil

Of the detected constituents in soil samples from the October 2010 event, none of the samples exceeded their RWQCB ESLs for shallow soils (<3m bgs); however, concentrations of benzene, ethylbenzene, xylenes, TPH-g and TPH-d exceeded their established RWQCB ESLs for deep soils (>3m bgs) in seven borings (B-2, B-3, B-4, B-5, B-7, B-8 and B-10). Benzene exceeded its ESL of 2.00 mg/Kg in two samples at concentrations of 2.50 mg/Kg in B-2 (15.5') and 3.40 mg/Kg in B-8 (16'). Ethylbenzene exceeded its ESL of 4.70 mg/Kg in three samples at concentrations ranging from 6.70 mg/Kg in B-4 (15.5') to 7.30 mg/Kg in B-8 (16'). Xylenes exceeded their ESL of 11.0 mg/Kg in two samples at concentrations of 13.0 mg/Kg in B-2 (15.5') and in B-4 (15.5'). TPH-g exceeded its ESL of 180 mg/Kg in seven samples at concentrations ranging from 880 mg/Kg in B-3 (16') to 2,600 mg/Kg in B-8 (16'). TPH-d exceeded its ESL of 180 mg/Kg in four samples at concentrations ranging from 260 mg/Kg in B-5 (16') to 3,100 mg/Kg in B-8 (16').

3.3.2 Soil Vapor

Of the detected chemical constituents, only benzene and TPH-g have established RWQCB ESL's for shallow soil (<3m bgs). Neither benzene (0.032 mg/m^3) nor TPH-g (8.70 mg/m^3) exceeded their respective ESLs of 0.280 mg/m^3 or 29.0 mg/m^3. It should be noted that, only one soil vapor sample (SV-2) could be collected due to low permeability soils.

4.0 SUMMARY AND CONCLUSIONS

This Limited Subsurface Investigation and Soil Vapor Sampling Report documents activities conducted in October 2010. The following is a summary of the report.

- Six out-of-service USTs were removed from the Site in 1989. The USTs were reportedly out of use for at least two decades prior to their removal. Subsurface investigations between 1989 and 1997 indicated that a relatively small area of impacts to soil and groundwater of petroleum hydrocarbons is present at the Site. A remediation system was operated from 1992 to 1997 to recover PSH and dissolved-phase impacts in groundwater utilizing, total fluids recovery pumps in four, four-inch diameter wells (ES-1, ES-5, BC-1 and ES-2). Data indicate that the system was effective as PSH greater than 0.1-foot has not been detected since 1995. PSH was last detected at the Site in October 1997 in well ES-1.

- During field activities for the October 2010 event, Green Star directed the advancement of 12 soil borings (B-1 through B-12) for collection of soil samples in order to evaluate subsurface impacts at the Site. Boring depths ranged from 15 to 20 feet bgs and groundwater was encountered in each boring at depths ranging from 16 to 17 feet bgs except in boring B-6 and B-11.

- During the October 2010 event Green Star also directed the advancement of four shallow borings (SV-1, SV-2, SV-3a, and SV-3b) for collection of soil vapor samples in order to evaluate potential vapor intrusion concerns at the Site. The four shallow borings ranged in depth from five to six feet bgs.

- Soil vapor analytical results indicated concentrations of benzene, TPH-g, 1,2,4-trimethylbenzene, 4-methyl-2-pentanone, cyclohexane, and hexane where detected above laboratory detection limits, but none of the detected analytes exceeded their respective RWQCB ESLs.

- Soil analytical results indicated none of the detected analytes exceeded their RWQCB ESLs for shallow soils (<3 m); however, concentrations of benzene, ethylbenzene, xylenes, TPH-g and/or TPH-d exceeded their respective ESLs for deep soils (>3 m) in seven borings (B-2, B-3, B-4, B-5, B-7, B-8 and B-10).

- Based on data from the subsurface investigation, it appears that the vast majority of residual source area impacts is present at or immediately above the water table present at approximately 15 to 16 feet bgs and not within the original tankhold. The presence of shallow, low permeability soils prevented the collection of soil vapor samples at the majority of proposed locations. Further, the collected soil vapor sample did not contain analytes that exceeded their respective ESLs. The data indicates that residual impacts at the Site do not appear to present significant risk to human health at the surface due to the lack of apparent exposure pathways. A revised Site Conceptual Model is currently being prepared.

5.0 QUALIFICATIONS

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. This company is not responsible for the independent conclusions, opinions or recommendations made by others based on the records review, site inspection, field exploration, and laboratory test data presented in this report.

It should be noted that all environmental assessments are inherently limited because they are developed from limited research and site investigation. Subsurface conditions investigated as part of these kinds of investigations may differ from conditions observed on the surface or indicated in written reports. It is also important to note that the conditions observed at the project site and surrounding properties are limited to the day of the site visit and may change with the passage of time.

LIST OF TABLES

Table 1 - Summary of Previous Reports
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 10-1379

Reference No.	Document Date	Type	Title	Author	Description
1	6/22/1989	Report	Phase I Investigation	Brown and Caldwell	Report determined that six USTs were present at the Site. Based on analytical testing of residual liquids in the USTs and soil samples, the USTs appeared to contain diesel, gasoline and water and at least some release has occurred to the subsurface. Groundwater was encountered at approximately 22 ft bgs, but was not sampled. Wells BC-1, BC-2, and BC-3 were found to be installed by 1992, but were not documented by this report.
2	7/21/1989	Letter	Report of Soil Contamination	Greyhound Lines, Vernon Sorgee PE	Reported release of diesel and/or gasoline from six, out of service USTs.
3	1/27/1992	Report	Preliminary Site Investigation Report	Engineering-Science, Inc.	The six USTs were reportedly unused for approximately 20 years. The six USTs were removed after the 1989 investigation. In November 1991, Engineering-Science, Inc. installed five monitoring wells (ES-1 through ES-5) and performed groundwater monitoring and a storm drain inspection. PSH was detected in wells BC-1 and ES-5. In soil, TPH-d was detected in only one sample from ES-5 while TEX was present samples from ES-1, ES-2, and ES-5. In groundwater, BTEX was present in ES-1, ES-2, ES-3 and ES-5 while TPH-d was present only in ES-5. Wells BC-1, BC-2 and BC-3 were not sampled. No evidence of impacts were observed in the inspected storm drains.
4	7/13/1992	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Monthly monitoring report of water levels and PSH. PSH was detected in four of the monitoring wells.
5	8/5/1992	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells. Quarterly groundwater sampling was performed.
6	8/19/1992	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in four of the monitoring wells.
7	10/1/1992	Letter	Hydrocarbon Recovery System Installation/ Monitoring	Engineering-Science, Inc.	Summarizes the proposed remediation system that is to be installed. Documents system monitoring and groundwater monitoring procedures which include monthly and quarterly reports.
8	10/6/1992	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in four of the monitoring wells.
9	11/11/1992	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in four of the monitoring wells. Quarterly groundwater sampling was performed.
10	12/15/1992	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in four of the monitoring wells. The hydrocarbon recovery system was installed in November 1992.
11	12/15/1992	Report	Tank Closure Documentation	Engineering-Science, Inc.	The six USTs were removed in April 1990. As no documentation of the tank removal was available on the San Francisco Bay Region of the California RWQCB's fuel leak list, this report was created to document the removal. The report contains tank disposal records, records of soil disposal, analytical results of samples collected during the tank/soil removal, laboratory reports including quality control/quality assurances, and chain-of-custody documentation in order to provide the proper tank closure documentation requested by ACEH. No release determination samples were collected as part of the removal operation.
12	12/18/1992	Report	Hydrocarbon Recovery System Installation	Engineering-Science, Inc.	A remediation system was installed in November 1992 to recover PSH utilizing pneumatic, total fluids pumps in four, four-inch ID diameter recovery wells (30 ft. deep; ES-1, ES-5, BC-1 and ES-2). The recovered fluids were treated with an oil/water separator and activated carbon absorption columns prior to discharge to the sanitary sewer. Weekly system maintenance checks were performed during the initial start-up and first eight weeks of operation.

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Reference No.	Document Date	Type	Title	Author	Description
13	1/11/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
14	1/31/1993	Report	Quarterly Status Report	Engineering-Science, Inc.	Quarterly monitoring report. PSH was detected in four of the wells. Quarterly groundwater sampling was performed.
15	3/8/1993	Report	Quarterly Status Report	Engineering-Science, Inc.	Continued quarterly monitoring report. PSH was detected in three of the wells. Quarterly groundwater sampling was performed.
16	3/8/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
17	4/2/1993	Report	Supplemental Site Assessment Investigation Work Plan	Engineering-Science, Inc.	A workplan was created to further define the lateral and vertical extent of soil and groundwater contamination. Specific remedial actions for mitigating the contamination will also be assessed. Proposed work includes installation of six to eight soil borings which will be converted to groundwater monitoring wells.
18	4/13/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
19	5/11/1993	Report	Quarterly Status Report	Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was detected in three of the monitoring wells. Quarterly groundwater sampling was performed.
20	6/15/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
21	7/29/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
22	8/12/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in two of the monitoring wells.
23	8/30/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in two of the monitoring wells.
24	10/1/1993	Report	Preliminary Risk Evaluation	Engineering-Science, Inc.	The risk assessment includes an evaluation of potential contaminant exposure pathways, existing contaminant levels and distribution, chemical characteristics, and site-specific factors such as soil permeability, and local land and water uses. For this assessment, the site was divided into two regions: the former Tank Pit area (source area) and the region surrounding the source area (perimeter). Concentrations of contaminants in groundwater within the source area exceed criteria derived to protect both human health and the environment. None of the chemicals detected in the groundwater within the perimeter were found to exceed the criteria used, indicating that the recovery system is preventing migration of contaminants from the source area. Concentrations of BTEX in soils did not exceed calculated risk-based preliminary remediation goals in either the source area or the perimeter sample locations. TPH was detected in soils in the source area, but risk-based PRGs could not be derived for these contaminants because USEPA-derived toxicity values are not available. It was concluded that a more detailed quantitative risk assessment was not needed.
25	10/15/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
26	11/16/1993	Report	Quarterly Status Report	Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was detected in four of the monitoring wells. Quarterly groundwater sampling was performed.

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Reference No.	Document Date	Type	Title	Author	Description
27	11/18/1993	Report	Supplemental Site Assessment	Engineering-Science, Inc.	Documented the installation of six soil borings/wells (ES-6 through ES-11) and groundwater monitoring event. No impacts were detected in the soil samples. ES-11 was the only newly installed monitoring well with detectable concentrations of BTEX. While PSH was not detected, the continued operation of the groundwater recovery system on-site and continued groundwater monitoring was recommended. Groundwater impacts were limited to wells near the former USTs and ES-11.
28	12/15/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
29	1/13/1994	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
30	2/26/1994	Report	Quarterly Status Report	Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was detected in three of the monitoring wells. Quarterly groundwater sampling was performed.
31	3/18/1994	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
32	4/11/1994	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in four of the monitoring wells.
33	5/18/1994	Report	Quarterly Status Report	Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was detected in four of the monitoring wells. Quarterly groundwater sampling was performed.
34	6/1/1994	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in four of the monitoring wells.
35	7/8/1994	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
36	9/1/1994	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in four of the monitoring wells.
37	9/7/1994	Report	Quarterly Status Report	Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was not recorded due to equipment theft. Quarterly groundwater sampling was performed.
38	9/28/1994	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in four of the monitoring wells.
39	10/31/1994	Report	Quarterly Status Report	Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was detected in one of the monitoring wells. Quarterly groundwater sampling was performed.
40	12/15/1994	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in two of the monitoring wells. The last report in which PSH was detected greater than 0.1-foot.
41	1/23/1995	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected at less than 0.1-foot in one of the monitoring wells.
42	2/14/1995	Report	Quarterly Status Report	Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was not detected in any of the monitoring wells. Quarterly groundwater sampling was performed.
43	2/23/1995	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected at less than 0.1-foot in two of the monitoring wells.
44	3/23/1995	Letter	Monthly Monitoring Report	Parsons Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected at less than 0.1-foot in one of the monitoring wells.

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Reference No.	Document Date	Type	Title	Author	Description
45	5/19/1995	Report	Quarterly Status Report	Parsons Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was detected at less than 0.1-foot in one of the monitoring wells. Quarterly groundwater sampling was performed.
46	7/6/1995	Letter	Monthly Monitoring Report	Parsons Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected at less than 0.1-foot in three of the monitoring wells.
47	7/7/1995	Letter	Monthly Monitoring Report	Parsons Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected at less than 0.1-foot in one of the monitoring wells.
48	8/8/1995	Report	Quarterly Status Report	Parsons Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was detected at less than 0.1-foot in one of the monitoring wells. Quarterly groundwater sampling was performed.
49	9/25/1995	Letter	Monthly Monitoring Report	Parsons Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected at less than 0.1-foot in two of the monitoring wells.
50	10/17/1995	Letter	Monthly Monitoring Report	Parsons Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected at less than 0.1-foot in one of the monitoring wells.
51	12/5/1995	Report	Quarterly Status Report	Parsons Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was detected at less than 0.1-foot in one of the monitoring wells. Quarterly groundwater sampling was performed.
52	2/26/1996	Report	Quarterly Status Report	Parsons Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was detected at less than 0.1-foot in one of the monitoring wells. Quarterly groundwater sampling was performed.
53	5/2/1996	Report	Quarterly Status Report	Parsons Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was not detected in any of the monitoring wells. Quarterly groundwater sampling was performed.
54	8/9/1996	Report	Quarterly Status Report	Parsons Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was not detected in any of the monitoring wells. Quarterly groundwater sampling was performed.
55	11/26/1996	Report	Quarterly Status Report	Parsons Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was not detected in any of the monitoring wells. Quarterly groundwater sampling was performed.
56	2/18/1997	Report	Quarterly Status Report	Parsons Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was not detected in any of the monitoring wells. Quarterly groundwater sampling was performed.
57	5/23/1997	Report	Quarterly Status Report	Parsons Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was not detected in any of the monitoring wells. Quarterly groundwater sampling was performed.
58	9/15/1997	Report	Quarterly Status Report	Parsons Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was not detected in any of the monitoring wells. Quarterly groundwater sampling was performed. Product had not been recovered since September 1994 and to date 1,015 gallons of free product had been recovered. In addition, 82,610 gallons of groundwater had been treated and discharged to the sanitary sewer.
59	11/25/1997	Report	Quarterly Status Report	Parsons Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was detected at less than 0.1-foot in one of the monitoring wells. Quarterly groundwater sampling was performed. The recovery system was deactivated in January 1997.
60	6/14/2000	Report	Case Closure Checklist, Leaking Underground Storage Tank Program	Central Valley Regional Water Quality Control Board	Case closure checklist, site location map, water well driller's reports, analytical summary (monitoring wells: 07/08/92-10/07/97), site plan, soil analytical data map, groundwater analytical data map.

Table 1 - Summary of Previous Reports
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 10-1379

Reference No.	Document Date	Type	Title	Author	Description
61	6/15/2000	Report	Risk Management Plan	Parsons Engineering Science, Inc.	Includes stipulations and restrictions that must be followed in order to comply with all requirements of the Risk Management Plan as specified by the ACEH, CASE closure checklist, site location map, analytical summary (monitoring wells: 07/08/92-10/07/97), site plan, soil analytical data map, and groundwater analytical data map.
62	6/15/2000	Report	Final Closure Request	Parsons Engineering Science, Inc.	Reviews site history and existing conditions (in 12/97, the groundwater monitoring program was terminated with ACEH and RWQCB's approval). Requested No Further Action (NFA) as: none of the 384 wells located in Section 26 are used for municipal water supply, Lake Merrit is located approximately 1,700 feet east of the site and is the nearest surface water body, regional groundwater flow is to the south-southwest, no soil remediation was required at the site, a total fluid recovery system was used between 01/93 through 02/97 to remove PSH discovered in four onsite wells (ES-1, ES-2, ES-5, and BC-1), PSH was completely removed and dissolved constituents were reduced to levels of diminishing returns, factors limiting potential adverse impacts include the limited horizontal and vertical extent of the dissolved hydrocarbon plume and the removal of PSH from the vicinity of of the former UST locations, and absence of potable drinking wells or reservoirs within a one-mile radius. Conclusions from the Preliminary Risk Evaluation and Tier II Benzene assessment indicated the lack of any significant health or environmental threats to current or future users of the site under currentuse conditions. It was recommended that a NFA status be granted for the site with a deed restriction and Risk Management Plan in place.
63	11/12/2008	Report	Groundwater Monitoring Report	Green Star Environmental	A groundwater monitoring event was performed in September 2008 utilizing 13 wells. PSH was not detected. Benzene, toluene, and naphthalene exceeded City of Oakland RBSLs. TPH-g and TPH-d exceeded RWQCB ESLs. The majority of the groundwater impacts remained on-site.
64	5/12/2009	Report	Groundwater Monitoring Report	Green Star Environmental	A groundwater monitoring event was performed in April 2009 utilizing 13 wells. PSH was not detected. Benzene, toluene, naphthalene, and EDB exceeded City of Oakland RBSLs. TPH-g and TPH-d exceeded RWQCB ESLs. The majority of groundwater impacts remained on-site.
65	8/12/2009	Report	Site Conceptual Model	Green Star Environmental	The Site Conceptual Model evaluated known data for the project. No known exposures appear to be occuring and the majority of the groundwater impacts have remained on-site. No downgradient receptors appear to be at risk. A Workplan to confirm current soil impacts was submitted to ACEH.
66	9/28/2009	Report	Groundwater Monitoring Report	Green Star Environmental	A groundwater monitoring event was performed in July 2009 utilizing 13 wells. PSH was not detected. Benzene, toluene, naphthalene, EDB, and EDC exceeded City of Oakland RBSLs. TPH-g and TPH-d exceeded RWQCB ESLs. The majority of groundwater impacts remained on-site.
67	12/11/2009	Report	Groundwater Monitoring Report	Green Star Environmental	A groundwater monitoring event was performed in October 2009 utilizing 13 wells. PSH was not detected. Benzene, toluene, naphthalene, and EDC exceeded City of Oakland RBSLs. TPH-g and TPH-d exceeded RWQCB ESLs. The majority of groundwater impacts remained on-site.
68	9/23/2010	Report	Groundwater Monitoring Report	Green Star Environmental	A groundwater monitoring event was performed in July 2010 utilizing 13 wells. PSH was not detected. Benzene, toluene, ethylbenzene, xylenes, naphthalene, and EDC exceeded City of Oakland RBSLs. TPH-g, TPH-d, and TPH-o exceeded RWQCB ESLs. The majority of groundwater impacts remained on-site.

ACEH = Alameda County Environmental Health RWQCB = Regional Water Quality Control Board

Table 2 - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 10-1379

Well No.	Date	Elevation to Top of Casing (feet MSL)[1]	Depth to Phase-Separated Liquid (feet BMP)	Depth to Water (feet BMP)	Product Thickness (feet)	Depth to Bottom (feet BMP)	Groundwater Elevation (feet MSL)
BC-1	07/07/92	24.41	19.55	20.66	1.11	nm	4.65
BC-1	08/04/92	24.41	18.47	20.90	2.43	nm	5.48
BC-1	08/31/92	24.41	18.68	21.02	2.34	nm	5.29
BC-1	10/06/92	24.41	18.82	21.14	2.32	nm	5.15
BC-1	11/06/92	24.41	18.24	20.69	2.45	nm	5.70
BC-1	01/07/93	24.41	19.60	21.76	2.16	nm	4.40
BC-1	04/06/93	24.41	--	18.26	--	nm	6.15
BC-1	07/03/93	24.41	19.05	19.15	0.10	nm	5.34
BC-1	08/04/93	24.41	19.30	19.40	0.10	nm	5.09
BC-1	09/01/93	24.41	19.23	19.32	0.09	nm	5.16
BC-1	10/07/93	24.41	19.25	19.43	0.18	nm	5.13
BC-1	11/02/93	24.41	19.42	19.61	0.19	nm	4.95
BC-1	12/06/93	24.41	19.31	19.53	0.22	nm	5.06
BC-1	01/05/94	24.41	19.25	19.42	0.17	nm	5.13
BC-1	02/02/94	24.41	19.30	19.50	0.20	nm	5.07
BC-1	03/02/94	24.41	18.40	18.60	0.20	nm	5.97
BC-1	04/07/94	24.41	18.10	18.20	0.10	nm	6.29
BC-1	05/05/94	24.41	18.65	18.84	0.19	nm	5.72
BC-1	06/07/94	24.41	18.25	18.52	0.27	nm	6.11
BC-1	07/13/94	24.41	--	18.70	--	nm	5.71
BC-1	08/03/94	24.41	--	18.40	--	nm	6.01
BC-1	09/14/94	24.41	18.72	18.73	0.01	nm	5.69
BC-1	10/06/94	24.41	--	18.58	--	nm	5.83
BC-1	11/02/94	24.41	18.81	18.82	0.01	nm	5.60
BC-1	12/07/94	24.41	17.93	17.94	0.01	nm	6.48
BC-1	01/13/95	24.41	--	18.58	--	nm	5.83
BC-1	02/14/95	24.41	16.76	16.80	0.04	nm	7.64
BC-1	03/07/95	24.41	--	17.08	--	nm	7.33
BC-1	04/11/95	24.41	--	16.55	--	nm	7.86
BC-1	05/09/95	24.41	16.99	17.00	0.01	nm	7.42
BC-1	06/09/95	24.41	17.38	17.39	0.01	nm	7.03
BC-1	07/06/95	24.41	--	17.64	--	nm	6.77
BC-1	08/10/95	24.41	--	17.89	--	nm	6.52
BC-1	09/07/95	24.41	--	17.96	--	nm	6.45
BC-1	10/03/95	24.41	--	18.23	--	nm	6.18
BC-1	10/05/95	24.41	--	18.23	--	nm	6.18
BC-1	11/02/95	24.41	--	18.02	--	nm	6.39
BC-1	12/07/95	24.41	--	18.64	--	nm	5.77
BC-1	01/03/96	24.41	--	18.36	--	nm	6.05
BC-1	02/06/96	24.41	--	17.43	--	nm	6.98
BC-1	03/12/96	24.41	--	16.85	--	nm	7.56
BC-1	05/07/96	24.41	--	17.45	--	nm	6.96
BC-1	06/05/96	24.41	--	17.46	--	nm	6.95
BC-1	09/05/96	24.41	--	18.16	--	nm	6.25
BC-1	10/08/96	24.41	--	18.40	--	nm	6.01
BC-1	11/08/96	24.41	--	18.57	--	nm	5.84
BC-1	12/13/96	24.41	--	18.24	--	nm	6.17
BC-1	01/16/97	24.41	--	17.19	--	nm	7.22
BC-1	02/14/97	24.41	--	16.88	--	nm	7.53
BC-1	03/07/97	24.41	--	17.31	--	nm	7.10
BC-1	04/17/97	24.41	--	17.92	--	nm	6.49
BC-1	07/15/97	24.41	--	18.61	--	nm	5.80
BC-1	10/07/97	24.41	--	18.72	--	nm	5.69
BC-1	09/24/08	24.41	--	16.68	--	29.55	7.73
BC-1	04/08/09	24.41	--	14.95	--	29.55	9.46
BC-1	07/14/09	24.41	--	15.77	--	29.58	8.64
BC-1	10/06/09	24.41	--	16.27	--	29.59	8.14
BC-1	07/28/10	24.41	--	16.22	--	29.75	8.19

Table 2 - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 10-1379

Well No.	Date	Elevation to Top of Casing (feet MSL)[1]	Depth to Phase-Separated Liquid (feet BMP)	Depth to Water (feet BMP)	Product Thickness (feet)	Depth to Bottom (feet BMP)	Groundwater Elevation (feet MSL)
BC-2	07/07/92	24.37	--	16.89	--	nm	nd[2]
BC-2	08/04/92	24.37	--	18.46	--	nm	nd[2]
BC-2	08/31/92	24.37	--	18.89	--	nm	nd[2]
BC-2	10/06/92	24.37	--	18.50	--	nm	nd[2]
BC-2	11/06/92	24.37	--	15.98	--	nm	nd[2]
BC-2	01/07/93	24.37	--	13.50	--	nm	nd[2]
BC-2	04/06/93	24.37	--	15.20	--	nm	nd[2]
BC-2	07/03/93	24.37	--	17.75	--	nm	nd[2]
BC-2	08/04/93	24.37	--	18.10	--	nm	nd[2]
BC-2	09/01/93	24.37	--	18.48	--	nm	nd[2]
BC-2	10/07/93	24.37	--	19.02	--	nm	nd[2]
BC-2	11/02/93	24.37	--	18.76	--	nm	nd[2]
BC-2	12/06/93	24.37	--	18.87	--	nm	nd[2]
BC-2	01/05/94	24.37	--	16.76	--	nm	nd[2]
BC-2	02/02/94	24.37	--	16.42	--	nm	nd[2]
BC-2	05/05/94	24.37	--	17.30	--	nm	nd[2]
BC-2	06/07/94	24.37	--	17.70	--	nm	nd[2]
BC-2	07/13/94	24.37	--	17.10	--	nm	nd[2]
BC-2	08/03/94	24.37	--	18.36	--	nm	nd[2]
BC-2	09/14/94	24.37	--	17.04	--	nm	nd[2]
BC-2	01/13/95	24.37	--	12.80	--	nm	nd[2]
BC-2	02/14/95	24.37	--	15.11	--	nm	nd[2]
BC-2	03/07/95	24.37	--	16.21	--	nm	nd[2]
BC-2	04/11/95	24.37	--	15.56	--	nm	nd[2]
BC-2	05/09/95	24.37	--	15.81	--	nm	nd[2]
BC-2	06/09/95	24.37	--	16.88	--	nm	nd[2]
BC-2	07/06/95	24.37	--	16.88	--	nm	nd[2]
BC-2	08/10/95	24.37	--	17.55	--	nm	nd[2]
BC-2	09/07/95	24.37	--	18.03	--	nm	nd[2]
BC-2	10/03/95	24.37	--	18.24	--	nm	nd[2]
BC-2	10/05/95	24.37	--	18.24	--	nm	nd[2]
BC-2	11/02/95	24.37	--	18.36	--	nm	nd[2]
BC-2	01/03/96	24.37	--	17.86	--	nm	nd[2]
BC-2	02/06/96	24.37	--	16.31	--	nm	nd[2]
BC-2	03/12/96	24.37	--	16.50	--	nm	nd[2]
BC-2	04/09/96	24.37	--	16.90	--	nm	nd[2]
BC-2	05/07/96	24.37	--	17.20	--	nm	nd[2]
BC-2	06/05/96	24.37	--	17.10	--	nm	nd[2]
BC-2	07/09/96	24.37	--	17.70	--	nm	nd[2]
BC-2	10/08/96	24.37	--	18.40	--	nm	nd[2]
BC-2	11/08/96	24.37	--	18.30	--	nm	nd[2]
BC-2	12/13/96	24.37	--	16.80	--	nm	nd[2]
BC-2	01/16/97	24.37	--	16.40	--	nm	nd[2]
BC-2	02/14/97	24.37	--	16.30	--	nm	nd[2]
BC-2	03/07/97	24.37	--	17.00	--	nm	nd[2]
BC-2	04/17/97	24.37	--	17.70	--	nm	nd[2]
BC-2	07/15/97	24.37	--	18.50	--	nm	nd[2]
BC-2	10/07/97	24.37	--	18.69	--	nm	nd[2]
BC-2	09/24/08	24.37	--	16.82	--	19.90	nd[2]
BC-2	04/08/09	24.37	--	16.34	--	19.91	nd[2]
BC-2	07/14/09	24.37	--	17.08	--	19.93	nd[2]
BC-2	10/06/09	24.37	--	16.61	--	19.94	nd[2]
BC-2	07/28/10	24.37	--	16.25	--	20.02	nd[2]

Table 2 - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
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Well No.	Date	Elevation to Top of Casing (feet MSL)[1]	Depth to Phase-Separated Liquid (feet BMP)	Depth to Water (feet BMP)	Product Thickness (feet)	Depth to Bottom (feet BMP)	Groundwater Elevation (feet MSL)
BC-3	07/07/92	24.42	--	16.68	--	nm	nd[2]
BC-3	08/04/92	24.42	--	19.24	--	nm	nd[2]
BC-3	08/31/92	24.42	--	19.10	--	nm	nd[2]
BC-3	10/06/92	24.42	--	18.93	--	nm	nd[2]
BC-3	11/06/92	24.42	--	16.81	--	nm	nd[2]
BC-3	01/07/93	24.42	--	16.55	--	nm	nd[2]
BC-3	04/06/93	24.42	--	15.44	--	nm	nd[2]
BC-3	07/03/93	24.42	--	16.81	--	nm	nd[2]
BC-3	08/04/93	24.42	--	18.82	--	nm	nd[2]
BC-3	09/01/93	24.42	--	18.40	--	nm	nd[2]
BC-3	10/07/93	24.42	--	18.58	--	nm	nd[2]
BC-3	11/02/93	24.42	--	18.53	--	nm	nd[2]
BC-3	12/06/93	24.42	--	18.67	--	nm	nd[2]
BC-3	01/05/94	24.42	--	17.51	--	nm	nd[2]
BC-3	02/02/94	24.42	--	16.40	--	nm	nd[2]
BC-3	03/02/94	24.42	--	15.00	--	nm	nd[2]
BC-3	04/07/94	24.42	--	17.70	--	nm	nd[2]
BC-3	05/05/94	24.42	--	17.90	--	nm	nd[2]
BC-3	06/07/94	24.42	--	17.34	--	nm	nd[2]
BC-3	07/13/94	24.42	--	18.10	--	nm	nd[2]
BC-3	08/03/94	24.42	--	18.36	--	nm	nd[2]
BC-3	09/14/94	24.42	--	18.31	--	nm	nd[2]
BC-3	10/06/94	24.42	--	18.58	--	nm	nd[2]
BC-3	11/02/94	24.42	--	18.61	--	nm	nd[2]
BC-3	12/07/94	24.42	--	16.29	--	nm	nd[2]
BC-3	01/13/95	24.42	--	15.40	--	nm	nd[2]
BC-3	02/14/95	24.42	--	15.86	--	nm	nd[2]
BC-3	03/07/95	24.42	--	16.21	--	nm	nd[2]
BC-3	04/11/95	24.42	--	15.08	--	nm	nd[2]
BC-3	05/09/95	24.42	--	16.92	--	nm	nd[2]
BC-3	06/09/95	24.42	--	16.90	--	nm	nd[2]
BC-3	07/06/95	24.42	--	16.87	--	nm	nd[2]
BC-3	08/10/95	24.42	--	17.54	--	nm	nd[2]
BC-3	09/07/95	24.42	--	17.80	--	nm	nd[2]
BC-3	10/03/95	24.42	--	17.95	--	nm	nd[2]
BC-3	10/05/95	24.42	--	17.95	--	nm	nd[2]
BC-3	11/02/95	24.42	--	18.33	--	nm	nd[2]
BC-3	01/03/96	24.42	--	17.55	--	nm	nd[2]
BC-3	02/06/96	24.42	--	17.15	--	nm	nd[2]
BC-3	03/12/96	24.42	--	16.50	--	nm	nd[2]
BC-3	04/09/96	24.42	--	16.60	--	nm	nd[2]
BC-3	05/07/96	24.42	--	16.90	--	nm	nd[2]
BC-3	06/05/96	24.42	--	17.00	--	nm	nd[2]
BC-3	07/09/96	24.42	--	17.40	--	nm	nd[2]
BC-3	10/08/96	24.42	--	18.10	--	nm	nd[2]
BC-3	11/08/96	24.42	--	18.20	--	nm	nd[2]
BC-3	12/13/96	24.42	--	17.60	--	nm	nd[2]
BC-3	09/24/08	24.42	--	17.01	--	20.11	nd[2]
BC-3	04/08/09	24.42	--	14.93	--	20.15	nd[2]
BC-3	07/14/09	24.42	--	16.10	--	20.16	nd[2]
BC-3	10/06/09	24.42	--	16.66	--	20.16	nd[2]
BC-3	07/28/10	24.42	--	16.32	--	20.24	nd[2]

Table 2 - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
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Green Star Project No. 10-1379

Well No.	Date	Elevation to Top of Casing (feet MSL)[1]	Depth to Phase-Separated Liquid (feet BMP)	Depth to Water (feet BMP)	Product Thickness (feet)	Depth to Bottom (feet BMP)	Groundwater Elevation (feet MSL)
ES-1	01/16/97	24.11	--	16.79	--	nm	7.32
ES-1	02/14/97	24.11	--	16.53	--	nm	7.58
ES-1	03/07/97	24.11	--	17.01	--	nm	7.10
ES-1	04/17/97	24.11	--	18.13	--	nm	5.98
ES-1	07/15/97	24.11	--	18.44	--	nm	5.67
ES-1	10/07/97	24.11	18.36	18.37	0.01	nm	5.75
ES-1	09/24/08	24.11	--	16.46	--	30.13	7.65
ES-1	04/08/09	24.11	--	14.75	--	30.15	9.36
ES-1	07/14/09	24.11	--	15.67	--	30.08	8.44
ES-1	10/06/09	24.11	--	16.10	--	30.15	8.01
ES-1	07/28/10	24.11	--	15.98	--	30.24	8.13
ES-2	06/16/92	24.66	18.63	18.64	0.01	nm	6.03
ES-2	07/07/92	24.66	--	19.62	--	nm	5.04
ES-2	08/04/92	24.66	19.17	19.76	0.59	nm	5.38
ES-2	08/31/92	24.66	19.29	19.90	0.61	nm	5.25
ES-2	10/06/92	24.66	19.41	20.00	0.59	nm	5.14
ES-2	11/06/92	24.66	18.84	19.44	0.60	nm	5.71
ES-2	01/07/93	24.66	20.05	20.40	0.35	nm	4.54
ES-2	04/06/93	24.66	18.20	18.31	0.11	nm	6.44
ES-2	07/03/93	24.66	19.31	19.32	0.01	nm	5.35
ES-2	08/04/93	24.66	19.15	19.18	0.03	nm	5.50
ES-2	09/01/93	24.66	19.50	19.59	0.09	nm	5.14
ES-2	10/07/93	24.66	19.57	19.60	0.03	nm	5.08
ES-2	11/02/93	24.66	19.60	19.61	0.01	nm	5.06
ES-2	12/06/93	24.66	19.71	19.74	0.03	nm	4.94
ES-2	01/05/94	24.66	19.57	19.61	0.04	nm	5.08
ES-2	02/02/94	24.66	19.20	19.25	0.05	nm	5.45
ES-2	03/02/94	24.66	19.00	19.50	0.50	nm	5.57
ES-2	04/07/94	24.66	19.10	19.19	0.09	nm	5.54
ES-2	05/05/94	24.66	18.77	18.79	0.02	nm	5.89
ES-2	06/07/94	24.66	--	18.61	--	nm	6.05
ES-2	07/13/94	24.66	--	18.78	--	nm	5.88
ES-2	08/03/94	24.66	--	18.72	--	nm	5.94
ES-2	09/14/94	24.66	19.10	19.14	0.04	nm	5.55
ES-2	10/06/94	24.66	--	18.86	--	nm	5.80
ES-2	11/02/94	24.66	18.97	19.91	0.94	nm	5.51
ES-2	12/07/94	24.66	--	18.14	--	nm	6.52
ES-2	01/13/95	24.66	--	18.86	--	nm	5.80
ES-2	02/14/95	24.66	--	16.92	--	nm	7.74
ES-2	03/07/95	24.66	--	17.25	--	nm	7.41
ES-2	04/11/95	24.66	--	16.71	--	nm	7.95
ES-2	05/09/95	24.66	--	17.15	--	nm	7.51
ES-2	06/09/95	24.66	17.60	17.61	0.01	nm	7.06
ES-2	07/06/95	24.66	17.78	17.79	0.01	nm	6.88
ES-2	08/10/95	24.66	18.09	18.10	0.01	nm	6.57
ES-2	09/07/95	24.66	--	18.29	--	nm	6.37
ES-2	10/03/95	24.66	18.45	18.48	0.03	nm	6.20
ES-2	10/05/95	24.66	18.45	18.48	0.03	nm	6.20
ES-2	11/02/95	24.66	18.62	18.65	0.03	nm	6.03
ES-2	12/07/95	24.66	18.85	18.90	0.05	nm	5.80
ES-2	01/03/96	24.66	18.54	18.55	0.01	nm	6.12
ES-2	02/06/96	24.66	--	17.60	--	nm	7.06
ES-2	03/12/96	24.66	--	17.08	--	nm	7.58
ES-2	04/09/96	24.66	--	17.18	--	nm	7.48
ES-2	05/07/96	24.66	--	17.66	--	nm	7.00
ES-2	06/05/96	24.66	--	17.66	--	nm	7.00

Table 2 - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 10-1379

Well No.	Date	Elevation to Top of Casing (feet MSL)[1]	Depth to Phase-Separated Liquid (feet BMP)	Depth to Water (feet BMP)	Product Thickness (feet)	Depth to Bottom (feet BMP)	Groundwater Elevation (feet MSL)
ES-2	07/09/96	24.66	--	18.02	--	nm	6.64
ES-2	09/05/96	24.66	--	18.39	--	nm	6.27
ES-2	10/08/96	24.66	--	18.61	--	nm	6.05
ES-2	11/08/96	24.66	--	18.78	--	nm	5.88
ES-2	12/13/96	24.66	--	18.43	--	nm	6.23
ES-2	01/16/97	24.66	--	17.57	--	nm	7.09
ES-2	02/14/97	24.66	--	17.08	--	nm	7.58
ES-2	03/07/97	24.66	--	17.56	--	nm	7.10
ES-2	04/17/97	24.66	--	18.11	--	nm	6.55
ES-2	07/15/97	24.66	--	18.97	--	nm	5.69
ES-2	10/07/97	24.66	--	18.87	--	nm	5.79
ES-2	09/24/08	24.66	--	16.96	--	30.19	7.70
ES-2	04/08/09	24.66	--	15.25	--	31.15	9.41
ES-2	07/14/09	24.66	--	16.07	--	30.16	8.59
ES-2	10/06/09	24.66	--	16.57	--	30.15	8.09
ES-2	07/28/10	24.66	--	16.49	--	30.30	8.17
ES-3	06/16/92	24.93	--	19.41	--	nm	5.52
ES-3	07/07/92	24.93	--	19.52	--	nm	5.41
ES-3	08/04/92	24.93	--	19.68	--	nm	5.25
ES-3	08/31/92	24.93	--	19.80	--	nm	5.13
ES-3	10/06/92	24.93	--	19.96	--	nm	4.97
ES-3	11/06/92	24.93	18.84	19.84	1.00	nm	5.90
ES-3	01/07/93	24.93	--	19.20	--	nm	5.73
ES-3	04/06/93	24.93	--	15.92	--	nm	9.01
ES-3	07/03/93	24.93	--	18.12	--	nm	6.81
ES-3	08/04/93	24.93	--	19.18	--	nm	5.75
ES-3	09/01/93	24.93	--	19.36	--	nm	5.57
ES-3	10/07/93	24.93	--	19.62	--	nm	5.31
ES-3	11/02/93	24.93	--	19.70	--	nm	5.23
ES-3	12/06/93	24.93	--	19.68	--	nm	5.25
ES-3	01/05/94	24.93	--	19.52	--	nm	5.41
ES-3	02/02/94	24.93	--	19.30	--	nm	5.63
ES-3	03/02/94	24.93	--	18.68	--	nm	6.25
ES-3	04/07/94	24.93	--	19.00	--	nm	5.93
ES-3	05/05/94	24.93	--	18.78	--	nm	6.15
ES-3	06/07/94	24.93	--	18.90	--	nm	6.03
ES-3	07/13/94	24.93	--	18.71	--	nm	6.22
ES-3	08/03/94	24.93	--	19.03	--	nm	5.90
ES-3	09/14/94	24.93	--	19.84	--	nm	5.09
ES-3	10/06/94	24.93	--	19.24	--	nm	5.69
ES-3	11/02/94	24.93	--	19.37	--	nm	5.56
ES-3	12/07/94	24.93	--	18.44	--	nm	6.49
ES-3	01/13/95	24.93	--	17.35	--	nm	7.58
ES-3	02/14/95	24.93	--	17.22	--	nm	7.71
ES-3	03/07/95	24.93	--	17.52	--	nm	7.41
ES-3	04/11/95	24.93	--	16.95	--	nm	7.98
ES-3	05/09/95	24.93	17.34	17.39	0.05	nm	7.58
ES-3	06/09/95	24.93	--	17.87	--	nm	7.06
ES-3	07/06/95	24.93	--	18.07	--	nm	6.86
ES-3	08/10/95	24.93	--	18.40	--	nm	6.53
ES-3	09/07/95	24.93	--	18.59	--	nm	6.34
ES-3	10/03/95	24.93	--	18.76	--	nm	6.17
ES-3	10/05/95	24.93	--	18.76	--	nm	6.17
ES-3	11/02/95	24.93	--	18.96	--	nm	5.97
ES-3	12/07/95	24.93	--	19.19	--	nm	5.74
ES-3	01/03/96	24.93	--	17.55	--	nm	7.38
ES-3	02/06/96	24.93	--	17.86	--	nm	7.07

Table 2 - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
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Well No.	Date	Elevation to Top of Casing (feet MSL)[1]	Depth to Phase-Separated Liquid (feet BMP)	Depth to Water (feet BMP)	Product Thickness (feet)	Depth to Bottom (feet BMP)	Groundwater Elevation (feet MSL)
ES-3	03/12/96	24.93	--	17.35	--	nm	7.58
ES-3	04/09/96	24.93	--	17.65	--	nm	7.28
ES-3	05/07/96	24.93	--	17.94	--	nm	6.99
ES-3	06/05/96	24.93	--	17.94	--	nm	6.99
ES-3	07/09/96	24.93	--	18.33	--	nm	6.60
ES-3	09/05/96	24.93	--	18.63	--	nm	6.30
ES-3	10/08/96	24.93	--	18.98	--	nm	5.95
ES-3	11/08/96	24.93	--	19.16	--	nm	5.77
ES-3	12/13/96	24.93	--	18.81	--	nm	6.12
ES-3	01/16/97	24.93	--	17.72	--	nm	7.21
ES-3	02/14/97	24.93	--	17.47	--	nm	7.46
ES-3	03/07/97	24.93	--	17.90	--	nm	7.03
ES-3	04/17/97	24.93	--	18.42	--	nm	6.51
ES-3	07/15/97	24.93	--	19.01	--	nm	5.92
ES-3	10/07/97	24.93	--	19.18	--	nm	5.75
ES-3	09/24/08	24.93	--	17.38	--	31.44	7.55
ES-3	04/08/09	24.93	--	15.65	--	31.55	9.28
ES-3	07/14/09	24.93	--	16.54	--	31.51	8.39
ES-3	10/06/09	24.93	--	17.06	--	31.56	7.87
ES-3	07/28/10	24.93	--	16.80	--	31.74	8.13
ES-4	06/16/92	23.93	18.63	18.98	0.35	nm	5.23
ES-4	07/07/92	23.93	--	18.51	--	nm	5.42
ES-4	08/04/92	23.93	--	18.66	--	nm	5.27
ES-4	08/31/92	23.93	--	18.79	--	nm	5.14
ES-4	10/06/92	23.93	--	18.92	--	nm	5.01
ES-4	11/06/92	23.93	--	18.94	--	nm	4.99
ES-4	01/07/93	23.93	--	18.76	--	nm	5.17
ES-4	04/06/93	23.93	--	17.26	--	nm	6.67
ES-4	07/03/93	23.93	--	18.08	--	nm	5.85
ES-4	08/04/93	23.93	--	18.16	--	nm	5.77
ES-4	09/01/93	23.93	--	18.46	--	nm	5.47
ES-4	10/07/93	23.93	--	18.62	--	nm	5.31
ES-4	11/02/93	23.93	--	18.74	--	nm	5.19
ES-4	12/06/93	23.93	--	18.72	--	nm	5.21
ES-4	01/05/94	23.93	--	18.55	--	nm	5.38
ES-4	02/02/94	23.93	--	18.42	--	nm	5.51
ES-4	03/02/94	23.93	--	17.86	--	nm	6.07
ES-4	04/07/94	23.93	--	18.80	--	nm	5.13
ES-4	05/05/94	23.93	--	17.86	--	nm	6.07
ES-4	06/07/94	23.93	--	17.94	--	nm	5.99
ES-4	07/13/94	23.93	--	18.13	--	nm	5.80
ES-4	08/03/94	23.93	--	17.94	--	nm	5.99
ES-4	09/14/94	23.93	--	18.18	--	nm	5.75
ES-4	10/06/94	23.93	--	18.25	--	nm	5.68
ES-4	11/02/94	23.93	--	18.35	--	nm	5.58
ES-4	12/07/94	23.93	--	17.56	--	nm	6.37
ES-4	01/13/95	23.93	--	16.77	--	nm	7.16
ES-4	02/14/95	23.93	--	16.37	--	nm	7.56
ES-4	03/07/95	23.93	--	16.66	--	nm	7.27
ES-4	04/11/95	23.93	--	16.14	--	nm	7.79
ES-4	05/09/95	23.93	--	16.57	--	nm	7.36
ES-4	06/09/95	23.93	--	17.02	--	nm	6.91
ES-4	07/06/95	23.93	--	17.19	--	nm	6.74
ES-4	08/10/95	23.93	--	17.84	--	nm	6.09
ES-4	09/07/95	23.93	--	17.68	--	nm	6.25
ES-4	10/03/95	23.93	--	17.84	--	nm	6.09
ES-4	10/05/95	23.93	--	17.84	--	nm	6.09

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Oakland Bus Terminal
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Well No.	Date	Elevation to Top of Casing (feet MSL)[1]	Depth to Phase-Separated Liquid (feet BMP)	Depth to Water (feet BMP)	Product Thickness (feet)	Depth to Bottom (feet BMP)	Groundwater Elevation (feet MSL)
ES-4	11/02/95	23.93	--	18.02	--	nm	5.91
ES-4	12/07/95	23.93	--	18.23	--	nm	5.70
ES-4	01/03/96	23.93	--	17.87	--	nm	6.06
ES-4	02/06/96	23.93	--	17.02	--	nm	6.91
ES-4	03/12/96	23.93	--	16.54	--	nm	7.39
ES-4	04/09/96	23.93	--	16.76	--	nm	7.17
ES-4	05/07/96	23.93	--	16.17	--	nm	7.76
ES-4	06/05/96	23.93	--	17.05	--	nm	6.88
ES-4	07/09/96	23.93	--	17.37	--	nm	6.56
ES-4	09/05/96	23.93	--	17.74	--	nm	6.19
ES-4	10/08/96	23.93	--	17.97	--	nm	5.96
ES-4	11/08/96	23.93	--	18.13	--	nm	5.80
ES-4	12/13/96	23.93	--	17.83	--	nm	6.10
ES-4	01/16/97	23.93	--	16.92	--	nm	7.01
ES-4	02/14/97	23.93	--	16.56	--	nm	7.37
ES-4	03/07/97	23.93	--	16.95	--	nm	6.98
ES-4	04/17/97	23.93	--	17.45	--	nm	6.48
ES-4	07/15/97	23.93	--	18.05	--	nm	5.88
ES-4	10/07/97	23.93	--	18.23	--	nm	5.70
ES-4	09/24/08	23.93	--	16.20	--	29.94	7.73
ES-4	04/08/09	23.93	--	14.46	--	29.95	9.47
ES-4	07/14/09	23.93	--	15.29	--	29.96	8.64
ES-4	10/06/09	23.93	--	15.80	--	29.94	8.13
ES-4	07/28/10	23.93	--	15.77	--	29.83	8.16
ES-5	06/16/92	24.08	18.40	20.40	2.00	nm	5.30
ES-5	07/07/92	24.08	--	20.23	--	nm	3.85
ES-5	08/04/92	24.08	18.16	20.43	2.27	nm	5.49
ES-5	08/31/92	24.08	18.24	20.80	2.56	nm	5.35
ES-5	10/06/92	24.08	18.24	21.37	3.13	nm	5.25
ES-5	11/06/92	24.08	17.60	20.92	3.32	nm	5.85
ES-5	01/05/93	24.08	18.42	19.75	1.33	nm	5.41
ES-5	01/07/93	24.08	19.35	22.00	2.65	nm	4.23
ES-5	04/06/93	24.08	--	17.28	--	nm	6.80
ES-5	07/03/93	24.08	--	19.50	--	nm	4.58
ES-5	08/04/93	24.08	--	18.61	--	nm	5.47
ES-5	09/01/93	24.08	18.79	18.80	0.01	nm	5.29
ES-5	10/07/93	24.08	18.65	19.33	0.68	nm	5.30
ES-5	11/02/93	24.08	18.91	19.45	0.54	nm	5.07
ES-5	12/06/93	24.08	18.78	19.25	0.47	nm	5.21
ES-5	02/02/94	24.08	18.18	19.98	1.80	nm	5.56
ES-5	03/02/94	24.08	18.07	18.30	0.23	nm	5.97
ES-5	04/07/94	24.08	18.37	18.38	0.01	nm	5.71
ES-5	05/05/94	24.08	18.24	18.26	0.02	nm	5.84
ES-5	06/07/94	24.08	18.26	18.27	0.01	nm	5.82
ES-5	07/13/94	24.08	--	18.30	--	nm	5.78
ES-5	08/03/94	24.08	--	17.90	--	nm	6.18
ES-5	09/14/94	24.08	18.41	18.42	0.01	nm	5.67
ES-5	10/06/94	24.08	--	18.23	--	nm	5.85
ES-5	11/02/94	24.08	--	18.47	--	nm	5.61
ES-5	12/07/94	24.08	--	17.45	--	nm	6.63
ES-5	01/13/95	24.08	--	18.23	--	nm	5.85
ES-5	02/14/95	24.08	--	16.45	--	nm	7.63
ES-5	03/07/95	24.08	--	16.53	--	nm	7.55
ES-5	04/11/95	24.08	--	16.00	--	nm	8.08
ES-5	05/09/95	24.08	--	16.45	--	nm	7.63
ES-5	06/09/95	24.08	--	16.90	--	nm	7.18
ES-5	07/06/95	24.08	--	17.09	--	nm	6.99

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Well No.	Date	Elevation to Top of Casing (feet MSL)[1]	Depth to Phase-Separated Liquid (feet BMP)	Depth to Water (feet BMP)	Product Thickness (feet)	Depth to Bottom (feet BMP)	Groundwater Elevation (feet MSL)
ES-5	08/10/95	24.08	--	17.44	--	nm	6.64
ES-5	09/07/95	24.08	--	17.61	--	nm	6.47
ES-5	10/03/95	24.08	--	18.74	--	nm	5.34
ES-5	10/05/95	24.08	--	18.74	--	nm	5.34
ES-5	11/02/95	24.08	--	17.98	--	nm	6.10
ES-5	12/07/95	24.08	18.21	18.22	0.01	nm	5.87
ES-5	01/03/96	24.08	--	17.89	--	nm	6.19
ES-5	02/06/96	24.08	--	16.76	--	nm	7.32
ES-5	03/12/96	24.08	--	16.36	--	nm	7.72
ES-5	04/09/96	24.08	--	16.70	--	nm	7.38
ES-5	05/07/96	24.08	--	16.95	--	nm	7.13
ES-5	06/05/96	24.08	--	16.95	--	nm	7.13
ES-5	07/09/96	24.08	--	17.34	--	nm	6.74
ES-5	01/16/97	24.08	--	16.68	--	nm	7.40
ES-5	02/14/97	24.08	--	16.43	--	nm	7.65
ES-5	03/07/97	24.08	--	16.90	--	nm	7.18
ES-5	04/17/97	24.08	--	17.41	--	nm	6.67
ES-5	07/15/97	24.08	--	18.29	--	nm	5.79
ES-5	10/07/97	24.08	--	18.48	--	nm	5.60
ES-5	09/24/08	24.08	--	16.49	--	30.06	7.59
ES-5	04/08/09	24.08	--	14.75	--	30.13	9.33
ES-5	07/15/09	24.08	--	15.61	--	30.08	8.47
ES-5	10/06/09	24.08	--	16.12	--	30.08	7.96
ES-5	07/28/10	24.08	--	15.97	--	30.26	8.11
ES-6	01/05/93	27.06	--	21.76	--	nm	5.30
ES-6	09/01/93	27.06	--	21.94	--	nm	5.12
ES-6	10/07/93	27.06	--	21.81	--	nm	5.25
ES-6	11/02/93	27.06	--	21.91	--	nm	5.15
ES-6	12/06/93	27.06	--	21.90	--	nm	5.16
ES-6	02/02/94	27.06	--	21.74	--	nm	5.32
ES-6	03/02/94	27.06	--	21.10	--	nm	5.96
ES-6	04/07/94	27.06	--	21.30	--	nm	5.76
ES-6	05/05/94	27.06	--	21.16	--	nm	5.90
ES-6	06/07/94	27.06	--	21.02	--	nm	6.04
ES-6	07/13/94	27.06	--	21.40	--	nm	5.66
ES-6	08/03/94	27.06	--	21.58	--	nm	5.48
ES-6	09/14/94	27.06	--	21.52	--	nm	5.54
ES-6	10/06/94	27.06	--	21.58	--	nm	5.48
ES-6	11/02/94	27.06	--	21.64	--	nm	5.42
ES-6	12/07/94	27.06	--	20.94	--	nm	6.12
ES-6	01/13/95	27.06	--	20.25	--	nm	6.81
ES-6	02/14/95	27.06	--	19.82	--	nm	7.24
ES-6	03/07/95	27.06	--	20.06	--	nm	7.00
ES-6	04/11/95	27.06	--	19.56	--	nm	7.50
ES-6	05/09/95	27.06	nd[4]	nd[4]	nd[4]	nm	nd[4]
ES-6	06/09/95	27.06	--	20.37	--	nm	6.69
ES-6	07/06/95	27.06	--	20.55	--	nm	6.51
ES-6	08/10/95	27.06	--	20.81	--	nm	6.25
ES-6	09/07/95	27.06	--	20.94	--	nm	6.12
ES-6	10/03/95	27.06	--	21.14	--	nm	5.92
ES-6	10/05/95	27.06	--	21.14	--	nm	5.92
ES-6	11/02/95	27.06	--	21.31	--	nm	5.75
ES-6	12/07/95	27.06	--	21.48	--	nm	5.58
ES-6	01/03/96	27.06	--	21.24	--	nm	5.82
ES-6	02/06/96	27.06	--	20.52	--	nm	6.54
ES-6	03/12/96	27.06	--	19.85	--	nm	7.21
ES-6	04/09/96	27.06	--	20.14	--	nm	6.92

Table 2 - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 10-1379

Well No.	Date	Elevation to Top of Casing (feet MSL)[1]	Depth to Phase-Separated Liquid (feet BMP)	Depth to Water (feet BMP)	Product Thickness (feet)	Depth to Bottom (feet BMP)	Groundwater Elevation (feet MSL)
ES-6	05/07/96	27.06	--	20.42	--	nm	6.64
ES-6	06/05/96	27.06	--	20.41	--	nm	6.65
ES-6	07/09/96	27.06	--	20.74	--	nm	6.32
ES-6	10/08/96	27.06	--	21.23	--	nm	5.83
ES-6	11/08/96	27.06	--	21.44	--	nm	5.62
ES-6	12/13/96	27.06	--	21.19	--	nm	5.87
ES-6	01/16/97	27.06	--	20.15	--	nm	6.91
ES-6	02/14/97	27.06	--	19.92	--	nm	7.14
ES-6	03/07/97	27.06	--	20.31	--	nm	6.75
ES-6	04/17/97	27.06	--	20.78	--	nm	6.28
ES-6	07/15/97	27.06	--	21.32	--	nm	5.74
ES-6	10/07/97	27.06	--	21.48	--	nm	5.58
ES-6	09/24/08	27.06	--	19.02	--	34.98	8.04
ES-6	04/08/09	27.06	--	17.39	--	35.00	9.67
ES-6	07/14/09	27.06	--	18.13	--	35.03	8.93
ES-6	10/06/09	27.06	--	18.52	--	35.00	8.54
ES-6	07/28/10	27.06	--	18.77	--	35.12	8.29
ES-7	01/05/93	25.66	--	19.90	--	nm	5.76
ES-7	09/01/93	25.66	--	19.71	--	nm	5.95
ES-7	10/07/93	25.66	--	19.99	--	nm	5.67
ES-7	11/02/93	25.66	--	20.12	--	nm	5.54
ES-7	12/06/93	25.66	--	20.15	--	nm	5.51
ES-7	02/02/94	25.66	--	19.79	--	nm	5.87
ES-7	03/02/94	25.66	--	19.14	--	nm	6.52
ES-7	04/07/94	25.66	--	19.44	--	nm	6.22
ES-7	05/05/94	25.66	--	19.30	--	nm	6.36
ES-7	06/07/94	25.66	--	19.33	--	nm	6.33
ES-7	07/13/94	25.66	--	19.11	--	nm	6.55
ES-7	08/03/94	25.66	--	19.40	--	nm	6.26
ES-7	09/14/94	25.66	--	19.64	--	nm	6.02
ES-7	10/06/94	25.66	--	19.73	--	nm	5.93
ES-7	11/02/94	25.66	--	19.79	--	nm	5.87
ES-7	12/07/94	25.66	--	19.89	--	nm	5.77
ES-7	01/13/95	25.66	--	18.11	--	nm	7.55
ES-7	02/14/95	25.66	--	17.63	--	nm	8.03
ES-7	03/07/95	25.66	--	17.92	--	nm	7.74
ES-7	04/11/95	25.66	--	17.35	--	nm	8.31
ES-7	05/09/95	25.66	--	17.79	--	nm	7.87
ES-7	06/09/95	25.66	--	18.29	--	nm	7.37
ES-7	07/06/95	25.66	--	18.46	--	nm	7.20
ES-7	08/10/95	25.66	--	18.77	--	nm	6.89
ES-7	09/07/95	25.66	--	18.98	--	nm	6.68
ES-7	10/03/95	25.66	--	19.15	--	nm	6.51
ES-7	10/05/95	25.66	--	19.15	--	nm	6.51
ES-7	11/02/95	25.66	--	19.36	--	nm	6.30
ES-7	12/07/95	25.66	--	19.57	--	nm	6.09
ES-7	01/03/96	25.66	--	19.29	--	nm	6.37
ES-7	02/06/96	25.66	--	18.41	--	nm	7.25
ES-7	03/12/96	25.66	--	17.76	--	nm	7.90
ES-7	04/09/96	25.66	--	18.05	--	nm	7.61
ES-7	05/07/96	25.66	--	18.36	--	nm	7.30
ES-7	06/05/96	25.66	--	18.36	--	nm	7.30
ES-7	07/09/96	25.66	--	18.72	--	nm	6.94
ES-7	09/05/96	25.66	--	19.12	--	nm	6.54
ES-7	10/08/96	25.66	--	19.37	--	nm	6.29
ES-7	11/08/96	25.66	--	19.56	--	nm	6.10
ES-7	12/13/96	25.66	--	19.28	--	nm	6.38
ES-7	01/16/97	25.66	--	18.19	--	nm	7.47
ES-7	02/14/97	25.66	--	17.88	--	nm	7.78

Table 2 - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
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Well No.	Date	Elevation to Top of Casing (feet MSL)[1]	Depth to Phase-Separated Liquid (feet BMP)	Depth to Water (feet BMP)	Product Thickness (feet)	Depth to Bottom (feet BMP)	Groundwater Elevation (feet MSL)
ES-7	03/07/97	25.66	--	18.30	--	nm	7.36
ES-7	04/17/97	25.66	--	18.81	--	nm	6.85
ES-7	09/24/08	25.66	--	18.20	--	31.28	7.46
ES-7	04/08/09	25.66	--	16.52	--	31.29	9.14
ES-7	07/14/09	25.66	--	17.36	--	31.30	8.30
ES-7	10/06/09	25.66	--	17.90	--	31.72	7.76
ES-7	07/28/10	25.66	--	17.52	--	31.50	8.14
ES-8	09/01/93	24.74	--	18.88	--	nm	5.86
ES-8	10/07/93	24.74	--	19.13	--	nm	5.61
ES-8	11/02/93	24.74	--	19.26	--	nm	5.48
ES-8	12/06/93	24.74	--	19.24	--	nm	5.50
ES-8	01/05/94	24.74	--	19.10	--	nm	5.64
ES-8	02/02/94	24.74	--	19.08	--	nm	5.66
ES-8	03/02/94	24.74	--	18.28	--	nm	6.46
ES-8	04/07/94	24.74	--	18.44	--	nm	6.30
ES-8	05/05/94	24.74	--	18.26	--	nm	6.48
ES-8	06/07/94	24.74	--	18.32	--	nm	6.42
ES-8	07/13/94	24.74	--	18.50	--	nm	6.24
ES-8	08/03/94	24.74	--	18.42	--	nm	6.32
ES-8	09/14/94	24.74	--	18.50	--	nm	6.24
ES-8	10/06/94	24.74	--	18.76	--	nm	5.98
ES-8	11/02/94	24.74	--	18.76	--	nm	5.98
ES-8	12/07/94	24.74	--	18.00	--	nm	6.74
ES-8	01/13/95	24.74	--	16.83	--	nm	7.91
ES-8	02/14/95	24.74	--	16.67	--	nm	8.07
ES-8	03/07/95	24.74	--	16.99	--	nm	7.75
ES-8	04/11/95	24.74	--	16.41	--	nm	8.33
ES-8	05/09/95	24.74	--	16.92	--	nm	7.82
ES-8	06/09/95	24.74	--	17.35	--	nm	7.39
ES-8	07/06/95	24.74	--	17.56	--	nm	7.18
ES-8	08/10/95	24.74	--	17.89	--	nm	6.85
ES-8	09/07/95	24.74	--	18.09	--	nm	6.65
ES-8	10/03/95	24.74	--	18.27	--	nm	6.47
ES-8	10/05/95	24.74	--	18.27	--	nm	6.47
ES-8	11/02/95	24.74	--	18.51	--	nm	6.23
ES-8	12/07/95	24.74	--	18.72	--	nm	6.02
ES-8	01/03/96	24.74	--	18.36	--	nm	6.38
ES-8	02/06/96	24.74	--	17.07	--	nm	7.67
ES-8	03/12/96	24.74	--	16.79	--	nm	7.95
ES-8	04/09/96	24.74	--	17.10	--	nm	7.64
ES-8	05/07/96	24.74	--	17.34	--	nm	7.40
ES-8	06/05/96	24.74	--	17.36	--	nm	7.38
ES-8	07/09/96	24.74	--	17.71	--	nm	7.03
ES-8	09/05/96	24.74	--	18.13	--	nm	6.61
ES-8	10/08/96	24.74	--	18.44	--	nm	6.30
ES-8	11/08/96	24.74	--	18.61	--	nm	6.13
ES-8	12/13/96	24.74	--	18.32	--	nm	6.42
ES-8	01/16/97	24.74	--	17.22	--	nm	7.52
ES-8	02/14/97	24.74	--	16.94	--	nm	7.80
ES-8	03/07/97	24.74	--	17.36	--	nm	7.38
ES-8	09/24/08	24.74	--	17.35	--	28.94	7.39
ES-8	04/08/09	24.74	--	15.64	--	28.80	9.10
ES-8	07/14/09	24.74	--	16.49	--	28.85	8.25
ES-8	10/06/09	24.74	--	17.03	--	29.16	7.71
ES-8	07/28/10	24.74	--	16.41	--	29.21	8.33

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Oakland Bus Terminal
2103 San Pablo Ave.
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Well No.	Date	Elevation to Top of Casing (feet MSL)[1]	Depth to Phase-Separated Liquid (feet BMP)	Depth to Water (feet BMP)	Product Thickness (feet)	Depth to Bottom (feet BMP)	Groundwater Elevation (feet MSL)
ES-9	09/01/93	23.33	--	19.74	--	nm	3.59
ES-9	10/07/93	23.33	--	17.90	--	nm	5.43
ES-9	12/06/93	23.33	--	18.00	--	nm	5.33
ES-9	01/05/94	23.33	--	17.80	--	nm	5.53
ES-9	02/02/94	23.33	--	17.02	--	nm	6.31
ES-9	03/02/94	23.33	--	17.12	--	nm	6.21
ES-9	04/07/94	23.33	--	17.24	--	nm	6.09
ES-9	05/05/94	23.33	--	17.04	--	nm	6.29
ES-9	06/07/94	23.33	--	17.06	--	nm	6.27
ES-9	07/13/94	23.33	--	17.40	--	nm	5.93
ES-9	08/03/94	23.33	--	17.10	--	nm	6.23
ES-9	09/14/94	23.33	--	17.09	--	nm	6.24
ES-9	10/06/94	23.33	--	17.46	--	nm	5.87
ES-9	11/02/94	23.33	--	17.55	--	nm	5.78
ES-9	12/07/94	23.33	--	16.79	--	nm	6.54
ES-9	01/13/95	23.33	--	15.80	--	nm	7.53
ES-9	02/14/95	23.33	--	15.49	--	nm	7.84
ES-9	03/07/95	23.33	--	15.79	--	nm	7.54
ES-9	04/11/95	23.33	--	15.23	--	nm	8.10
ES-9	05/09/95	23.33	--	15.72	--	nm	7.61
ES-9	06/09/95	23.33	--	16.13	--	nm	7.20
ES-9	07/06/95	23.33	--	16.34	--	nm	6.99
ES-9	08/10/95	23.33	--	16.67	--	nm	6.66
ES-9	09/07/95	23.33	--	16.87	--	nm	6.46
ES-9	10/03/95	23.33	--	17.09	--	nm	6.24
ES-9	10/05/95	23.33	--	17.09	--	nm	6.24
ES-9	11/02/95	23.33	--	17.30	--	nm	6.03
ES-9	12/07/95	23.33	--	17.48	--	nm	5.85
ES-9	01/03/96	23.33	--	17.12	--	nm	6.21
ES-9	02/06/96	23.33	--	16.00	--	nm	7.33
ES-9	03/12/96	23.33	--	15.63	--	nm	7.70
ES-9	04/09/96	23.33	--	15.92	--	nm	7.41
ES-9	05/07/96	23.33	--	16.17	--	nm	7.16
ES-9	06/05/96	23.33	--	16.19	--	nm	7.14
ES-9	07/09/96	23.33	--	16.52	--	nm	6.81
ES-9	09/05/96	23.33	--	16.92	--	nm	6.41
ES-9	10/08/96	23.33	--	17.19	--	nm	6.14
ES-9	11/08/96	23.33	--	17.37	--	nm	5.96
ES-9	12/13/96	23.33	--	17.09	--	nm	6.24
ES-9	01/16/97	23.33	--	15.99	--	nm	7.34
ES-9	02/14/97	23.33	--	15.71	--	nm	7.62
ES-9	03/07/97	23.33	--	16.12	--	nm	7.21
ES-9	04/17/97	23.33	--	16.66	--	nm	6.67
ES-9	09/24/08	23.33	--	15.88	--	34.91	7.45
ES-9	04/08/09	23.33	--	14.14	--	34.97	9.19
ES-9	07/14/09	23.33	--	14.98	--	34.94	8.35
ES-9	10/06/09	23.33	--	15.52	--	34.91	7.81
ES-9	07/28/10	23.33	--	15.31	--	34.94	8.02

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ES-10	09/01/93	95.24	--	18.04	--	nm	77.20
ES-10	10/07/93	95.24	--	17.40	--	nm	77.84
ES-10	11/02/93	95.24	--	17.46	--	nm	77.78
ES-10	12/06/93	95.24	--	17.44	--	nm	77.80
ES-10	01/05/94	95.24	--	17.27	--	nm	77.97
ES-10	02/02/94	95.24	--	17.25	--	nm	77.99
ES-10	03/02/94	95.24	--	16.61	--	nm	78.63
ES-10	04/07/94	95.24	--	16.74	--	nm	78.50
ES-10	05/05/94	95.24	--	16.55	--	nm	78.69
ES-10	06/07/94	95.24	--	17.50	--	nm	77.74
ES-10	07/13/94	95.24	--	16.10	--	nm	79.14
ES-10	08/03/94	95.24	--	16.20	--	nm	79.04
ES-10	09/14/94	95.24	--	16.48	--	nm	78.76
ES-10	10/06/94	95.24	--	16.96	--	nm	78.28
ES-10	11/02/94	95.24	--	17.05	--	nm	78.19
ES-10	12/07/94	95.24	--	16.29	--	nm	78.95
ES-10	01/13/95	95.24	--	15.42	--	nm	79.82
ES-10	02/14/95	95.24	--	15.05	--	nm	80.19
ES-10	03/07/95	95.24	--	15.34	--	nm	79.90
ES-10	04/11/95	95.24	--	14.82	--	nm	80.42
ES-10	05/09/95	95.24	--	15.26	--	nm	79.98
ES-10	06/09/95	95.24	--	15.70	--	nm	79.54
ES-10	07/06/95	95.24	--	15.89	--	nm	79.35
ES-10	08/10/95	95.24	--	16.21	--	nm	79.03
ES-10	09/07/95	95.24	--	16.42	--	nm	78.82
ES-10	10/03/95	95.24	--	16.59	--	nm	78.65
ES-10	10/05/95	95.24	--	16.59	--	nm	78.65
ES-10	11/02/95	95.24	--	16.77	--	nm	78.47
ES-10	12/07/95	95.24	--	16.97	--	nm	78.27
ES-10	01/03/96	95.24	--	16.61	--	nm	78.63
ES-10	02/06/96	95.24	--	15.71	--	nm	79.53
ES-10	03/12/96	95.24	--	17.35	--	nm	77.89
ES-10	04/09/96	95.24	--	15.44	--	nm	79.80
ES-10	05/07/96	95.24	--	15.75	--	nm	79.49
ES-10	06/05/96	95.24	--	17.75	--	nm	77.49
ES-10	07/09/96	95.24	--	18.04	--	nm	77.20
ES-10	09/05/96	95.24	--	16.45	--	nm	78.79
ES-10	10/08/96	95.24	--	16.70	--	nm	78.54
ES-10	11/08/96	95.24	--	16.87	--	nm	78.37
ES-10	12/13/96	95.24	--	16.55	--	nm	78.69
ES-10	01/16/97	95.24	--	15.49	--	nm	79.75
ES-10	02/14/97	95.24	--	15.23	--	nm	80.01
ES-10	03/07/97	95.24	--	15.67	--	nm	79.57
ES-10	04/17/97	95.24	--	16.18	--	nm	79.06
ES-10[3]	09/24/08	nm	nm	nm	nm	nm	nm
ES-10[3]	07/14/09	nm	nm	nm	nm	nm	nm
ES-10[3]	10/06/09	nm	nm	nm	nm	nm	nm
ES-10[3]	07/28/10	nm	nm	nm	nm	nm	nm

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ES-11	09/01/93	24.08	--	18.74	--	nm	5.34
ES-11	10/07/93	24.08	--	18.90	--	nm	5.18
ES-11	11/02/93	24.08	--	19.00	--	nm	5.08
ES-11	12/06/93	24.08	--	19.02	--	nm	5.06
ES-11	01/05/94	24.08	--	18.86	--	nm	5.22
ES-11	02/02/94	24.08	--	18.74	--	nm	5.34
ES-11	03/02/94	24.08	--	18.14	--	nm	5.94
ES-11	04/07/94	24.08	--	18.38	--	nm	5.70
ES-11	05/05/94	24.08	--	18.15	--	nm	5.93
ES-11	06/07/94	24.08	--	18.28	--	nm	5.80
ES-11	07/13/94	24.08	--	18.60	--	nm	5.48
ES-11	08/03/94	24.08	--	18.18	--	nm	5.90
ES-11	09/14/94	24.08	--	18.47	--	nm	5.61
ES-11	10/06/94	24.08	--	18.55	--	nm	5.53
ES-11	11/02/94	24.08	--	18.64	--	nm	5.44
ES-11	12/07/94	24.08	--	17.49	--	nm	6.59
ES-11	01/13/95	24.08	--	17.16	--	nm	6.92
ES-11	02/14/95	24.08	--	16.76	--	nm	7.32
ES-11	03/07/95	24.08	--	17.04	--	nm	7.04
ES-11	04/11/95	24.08	--	16.54	--	nm	7.54
ES-11	05/09/95	24.08	--	16.95	--	nm	7.13
ES-11	06/09/95	24.08	--	17.34	--	nm	6.74
ES-11	07/06/95	24.08	--	17.54	--	nm	6.54
ES-11	08/10/95	24.08	--	17.85	--	nm	6.23
ES-11	09/07/95	24.08	--	18.03	--	nm	6.05
ES-11	10/03/95	24.08	--	18.20	--	nm	5.88
ES-11	10/05/95	24.08	--	18.20	--	nm	5.88
ES-11	11/02/95	24.08	--	18.38	--	nm	5.70
ES-11	12/07/95	24.08	--	18.59	--	nm	5.49
ES-11	01/03/96	24.08	--	18.21	--	nm	5.87
ES-11	02/06/96	24.08	--	17.45	--	nm	6.63
ES-11	03/12/96	24.08	--	16.83	--	nm	7.25
ES-11	04/09/96	24.08	--	17.13	--	nm	6.95
ES-11	05/07/96	24.08	--	17.42	--	nm	6.66
ES-11	06/05/96	24.08	--	17.42	--	nm	6.66
ES-11	07/09/96	24.08	--	17.71	--	nm	6.37
ES-11	09/05/96	24.08	--	18.07	--	nm	6.01
ES-11	10/08/96	24.08	--	18.29	--	nm	5.79
ES-11	11/08/96	24.08	--	18.45	--	nm	5.63
ES-11	12/13/96	24.08	--	18.09	--	nm	5.99
ES-11	01/16/97	24.08	--	17.10	--	nm	6.98
ES-11	02/14/97	24.08	--	16.90	--	nm	7.18
ES-11	03/07/97	24.08	--	17.30	--	nm	6.78
ES-11	04/17/97	24.08	--	17.80	--	nm	6.28
ES-11	09/24/08	24.08	--	16.29	--	35.00	7.79
ES-11	04/08/09	24.08	--	14.59	--	35.05	9.49
ES-11	07/14/09	24.08	--	15.38	--	35.03	8.70
ES-11	10/06/09	24.08	--	15.90	--	35.04	8.18
ES-11	07/28/10	24.08	--	15.94	--	35.19	8.14

nm = not measured nd = not determined -- = none detected BMP = Below Measuring Point

Note: 1) On April 8, 2009, the well network was surveyed according to the North American Vertical Datum 1988 (NAVD 88) system.
2) Well casings are not vertical.
3) Monitoring well ES-10 has been paved over and is not accessible.
4) Data not entered due to apparent typographical error in previous consultant's findings.

Table 3 - Cumulative Summary of Groundwater Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 10-1379

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Naphthalene	MTBE	ETBE	TAME	DIPE	EDB	EDC	TBA	Ethanol	TPH-g	TPH-d	TPH-o	Total PAHs
BC-1	04/17/97	**0.160**	**0.072**	**0.035**	**0.093**	**0.360**	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**0.200**	**0.640**	nt	nt
	07/15/97	**0.520**	**0.130**	**0.170**	**0.290**	**1.110**	nt	**0.100**	nt	nt	nt	nt	nt	nt	nt	**11.0**	**95.0**	nt	**0.203**
	10/07/97	**0.310**	**0.600**	**0.370**	**1.90**	**3.180**	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**31.0**	**484**	nt	**4.34**
	09/25/08	**0.220**	**0.022**	**0.032**	**0.038**	**0.312**	**0.016**	<0.00031	<0.00014	**0.00026 J**	**0.082**	**0.00039 J**	<0.00024	<0.006	<0.074	**3.70**	**2.00**	<0.290	nt
	04/09/09	**0.130**	**0.020**	**0.017**	**0.033**	**0.200**	**0.006**	<0.0003	<0.00014	**0.00058 J**	**0.074**	**0.00027 J**	<0.00023	<0.017	<0.074	**2.10**	**3.70**	<0.033	nt
	07/15/09	**0.200**	**0.039**	**0.035**	**0.058**	**0.332**	**0.014**	<0.00032	<0.00014	<0.00014	**0.110**	**0.00028 J**	<0.00023	<0.017	<0.074	**3.20**	**0.910**	**0.150**	nt
	10/07/09	**0.230**	0.034	0.045	0.062	0.371	0.023	<0.00032	<0.00014	<0.00014	0.060	<0.00017	<0.00023	<0.017	<0.074	**3.70**	**0.630**	0.064	nt
	07/29/10	**0.076**	0.0049	0.0086	0.0085	0.098	0.0048	<0.00083	<0.00083	<0.00083	nt	<0.00083	<0.00083	<0.0033	<0.083	**1.00**	**0.290**	<0.250	nt
BC-2	07/08/92	BDL	BDL	BDL	**0.008**	**0.008**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**2.10**	nt	nt
	10/06/92	BDL	**0.001**	**0.001**	**0.007**	**0.009**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/07/93	BDL	**0.001**	**0.002**	**0.010**	**0.012**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	04/06/93	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**0.130**	nt	nt
	07/23/93	**0.001**	**0.002**	**0.002**	**0.008**	**0.013**	nt	nt	nt	nt	nt	nt	nt	nt	nt	<0.500	**0.500**	nt	BDL
	10/07/93	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**1.40**	nt	nt
	01/05/94	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	04/07/94	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	07/13/94	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	10/06/94	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	01/13/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**1.10**	nt	nt
	04/11/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/06/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**0.290**	nt	nt
	10/05/95	**0.001**	BDL	BDL	**0.001**	**0.002**	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**1.50**	nt	nt
	04/17/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**0.050**	nt	nt
	07/15/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**0.680**	nt	BDL
	10/07/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**0.920**	nt	BDL
	09/24/08	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
	04/09/09	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
	07/15/09	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
	10/07/09	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
	07/29/10	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns

Table 3 - Cumulative Summary of Groundwater Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 10-1379

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Naphthalene	MTBE	ETBE	TAME	DIPE	EDB	EDC	TBA	Ethanol	TPH-g	TPH-d	TPH-o	Total PAHs
BC-3	07/08/92	BDL	**0.003**	BDL	**0.006**	**0.009**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**3.90**	nt	nt
	10/06/92	BDL	**0.002**	**0.001**	**0.002**	**0.004**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.800**	nt	nt
	01/07/93	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	04/06/93	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**0.120**	nt	nt
	07/23/93	**0.003**	**0.004**	**0.002**	**0.008**	**0.018**	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**nt***	nt	nt
	10/07/93	BDL	BDL	**0.0001**	**0.002**	**0.003**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**1.40**	nt	nt
	01/05/94	BDL	BDL	BDL	**0.002**	**0.002**	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**1.80**	nt	nt
	04/07/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**0.850**	nt	nt
	07/13/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**0.200**	nt	nt
	10/06/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**0.820**	nt	nt
	01/13/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**0.890**	nt	nt
	04/11/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/06/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**0.380**	nt	nt
	10/05/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/17/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/15/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**0.490**	nt	BDL
	10/07/97	BDL	BDL	**0.002**	**0.002**	**0.003**	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**0.051**	**1.34**	nt	BDL
	09/25/08	<0.0004	**0.0006 J**	**0.0006 J**	<0.0003	**0.001**	<0.0003	<0.00031	<0.00014	**0.0007 J**	<0.00036	<0.00031	<0.00024	<0.006	<0.074	<0.084	<0.021	**1.30**	nt
	04/09/09	**0.006**	**0.0008 J**	**0.0008 J**	**0.0012 J**	**0.009**	**0.005**	<0.0003	<0.00014	**0.00052 J**	**0.00043 J**	<0.00017	<0.00023	<0.017	<0.074	<0.024	**0.018 J**	**0.880**	nt
	07/15/09	**0.0049 J**	**0.0006 J**	**0.0003 J**	<0.00013	**0.006**	**0.00022 J**	<0.00032	<0.00014	**0.00044 J**	**0.0003 J**	<0.00017	<0.00023	<0.017	<0.074	**0.019 J**	**0.059**	**0.170**	nt
	10/07/09	**0.003**	0.0003 J	0.0002 J	0.0004 J	0.004	0.0002 J	<0.00032	<0.00014	<0.00014	0.0004 J	<0.00017	<0.00023	<0.017	<0.074	0.025 J	0.058	0.110	nt
	07/29/10	0.0017	0.00047 J	0.00078	0.00055	0.002	0.00059	<0.00025	<0.00025	<0.00025	nt	<0.00025	<0.00025	<0.001	<0.025	<0.050	<0.050	<0.250	nt
ES-1	11/19/91	**0.130**	**0.043**	**0.010**	**0.091**	**0.274**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	04/17/97	**0.110**	**0.018**	**0.007**	**0.045**	**0.180**	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**1.00**	BDL	nt	nt
	07/16/97	**0.076**	**0.008**	**0.011**	**0.025**	**0.120**	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**0.960**	**1.20**	nt	**0.014**
	10/07/97	**0.049**	**0.034**	**0.011**	**0.023**	**0.100**	nt	**0.014**	nt	nt	nt	nt	nt	nt	nt	**1.70**	**2.77**	nt	**0.010**
	09/25/08	**0.140**	**0.009**	**0.014**	**0.016**	**0.179**	**0.011**	<0.00031	<0.00014	<0.00026	**0.130**	<0.00031	**0.00049 J**	<0.006	<0.074	**2.90**	**2.50**	<0.290	nt
	04/09/09	**0.260**	**0.029**	**0.027**	**0.049**	**0.365**	**0.025**	<0.00032	<0.00014	<0.00014	**0.066**	**0.00037 J**	**0.00047 J**	<0.017	<0.074	**2.40**	**3.60**	<0.036	nt
	07/15/09	**0.300**	**0.063**	**0.092**	**0.090**	**0.545**	**0.053**	<0.00032	<0.00014	**0.00023 J**	**0.100**	**0.00038 J**	**0.00086 J**	<0.017	<0.074	**5.00**	**0.930**	**0.210**	nt
	10/07/09	**0.340**	0.036	0.044	0.053	0.473	**0.037**	<0.00032	<0.00014	<0.00014	0.082	<0.00017	**0.0007 J**	<0.017	<0.074	**4.10**	**0.610**	0.100	nt
	07/29/10	**0.630**	0.061	**0.110**	**0.120**	0.921	**0.095**	<0.0062	<0.0062	<0.0062	nt	<0.0062	<0.0062	<0.025	<0.620	**5.20**	**1.10**	<0.250	nt
ES-2	11/19/91	**0.390**	**0.096**	**0.078**	**0.310**	**0.874**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	04/17/97	**0.340**	**0.110**	**0.110**	**0.240**	**0.800**	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**3.80**	**1.80**	nt	nt
	07/15/97	**0.190**	**0.140**	**0.073**	**0.250**	**0.653**	nt	**0.081**	nt	nt	nt	nt	nt	nt	nt	**3.70**	**16.0**	nt	**0.194**
	10/07/97	**0.190**	**0.046**	**0.046**	**0.070**	**0.352**	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**7.20**	**8.04**	nt	**0.993**
	09/25/08	**0.700**	**0.053**	**0.029**	**0.084**	**0.866**	**0.010**	<0.00031	<0.00014	**0.00041 J**	**0.100**	<0.00031	**0.00038 J**	<0.006	<0.074	**6.00**	**1.50**	nt	<0.290
	04/09/09	**0.690**	**0.059**	**0.027 J**	**0.072**	**0.848**	**0.008 J**	<0.0032	<0.0014	**0.0056 J**	**0.110**	<0.0017	<0.0023	<0.170	<0.740	**2.20**	**7.50**	<0.038	nt
	07/15/09	**0.700**	**0.068**	**0.023**	**0.094**	**0.885**	**0.0019 J**	<0.00032	<0.00014	**0.00042 J**	**0.120**	**0.00025 J**	<0.00023	<0.017	<0.074	**8.40**	**1.30**	**0.230**	nt
	10/07/09	**0.730**	0.061	0.030	0.090	0.911	0.004	<0.00032	<0.00014	<0.00014	0.085	<0.00017	<0.00023	<0.017	<0.074	**6.00**	**1.10**	0.980	nt
	07/29/10	**0.800**	0.057	0.015 J	0.078	0.950	0.011 J	<0.0083	<0.0083	<0.0083	nt	<0.0083	<0.0083	<0.033	<0.830	**8.30**	**1.30**	<0.250	nt

Table 3 - Cumulative Summary of Groundwater Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 10-1379

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Naphthalene	MTBE	ETBE	TAME	DIPE	EDB	EDC	TBA	Ethanol	TPH-g	TPH-d	TPH-o	Total PAHs
ES-3	11/19/91	**0.061**	**0.016**	**0.014**	**0.033**	**0.124**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**BDL**	nt	nt
	07/08/92	**0.051**	**0.021**	**0.048**	**0.034**	**0.157**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**1.30**	nt	nt
	10/06/92	**0.093**	**0.018**	BDL	**0.011**	**0.122**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/07/93	**0.052**	**0.049**	**0.100**	**0.250**	**0.451**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	04/06/93	**0.053**	BDL	**0.067**	**0.078**	**0.198**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**4.50**	**0.510**	nt	nt
	07/23/93	**0.028**	**0.006**	**0.005**	**0.005**	**0.043**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**1.50**	**0.600**	nt	nt
	10/07/93	**0.002**	**0.001**	BDL	**0.002**	**0.005**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/05/94	**0.013**	**0.002**	**0.007**	**0.005**	**0.027**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.530**	nt	nt	nt
	04/07/94	**0.010**	**0.009**	**0.026**	**0.034**	**0.079**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.850**	**0.910**	nt	nt
	07/13/94	**0.002**	**0.001**	**0.001**	**0.003**	**0.007**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.370**	**0.280**	nt	nt
	10/06/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	01/13/95	**0.019**	**0.015**	**0.072**	**0.088**	**0.194**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**1.60**	**1.10**	nt	nt
	04/11/95	**0.020**	**0.007**	**0.036**	**0.022**	**0.085**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.940**	**0.390**	nt	nt
	07/06/95	**0.006**	BDL	**0.007**	BDL	**0.013**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.240**	**1.20**	nt	nt
	10/05/95	**0.002**	**0.002**	BDL	BDL	**0.004**	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**0.110**	nt	nt
	01/05/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/09/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.120**	nt	nt
	07/09/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/08/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	01/16/97	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.051**	BDL	nt	nt
	04/17/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**0.120**	nt	nt
	07/15/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**0.170**	nt	BDL
	10/07/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**0.205**	nt	BDL
	09/24/08	**0.230**	**0.017**	**0.023**	**0.048**	**0.318**	**0.028**	<0.00031	<0.00014	**0.00028 J**	**0.110**	<0.00031	**0.00078 J**	<0.006	<0.074	**3.00**	**1.40**	<0.290	nt
	04/09/09	**0.340**	**0.091**	**0.180**	**0.372**	**0.983**	**0.083**	<0.0016	<0.00071	<0.00068	**0.096**	<0.00086	<0.0011	<0.084	<0.370	**2.60**	**9.70**	<0.032	nt
	07/15/09	**0.230**	**0.075**	**0.190**	**0.413**	**0.908**	**0.110**	<0.0016	<0.00071	<0.00068	**0.045 J**	<0.00086	<0.0011	<0.084	<0.370	**9.40**	**1.40**	**0.280**	nt
	10/07/09	**0.250**	0.028	0.042	0.105	0.425	**0.035**	<0.00032	<0.00014	<0.00014	0.100	<0.00017	**0.0008 J**	<0.017	<0.074	**4.70**	**0.860**	0.084	nt
	07/29/10	**0.120**	0.044	**0.200**	**0.200**	0.564	**0.110**	<0.0025	<0.0025	<0.0025	nt	<0.0025	<0.0025	<0.010	<0.250	**5.80**	**1.20**	<0.250	nt

Table 3 - Cumulative Summary of Groundwater Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 10-1379

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Naphthalene	MTBE	ETBE	TAME	DIPE	EDB	EDC	TBA	Ethanol	TPH-g	TPH-d	TPH-o	Total PAHs
ES-4	11/19/91	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	07/08/92	**0.031**	**0.006**	BDL	**0.003**	**0.039**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	10/06/92	**0.100**	**0.008**	BDL	**0.008**	**0.116**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/07/93	**0.030**	**0.007**	**0.008**	**0.016**	**0.060**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	04/06/93	**0.033**	**0.002**	**0.002**	**0.005**	**0.042**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.360**	BDL	nt	nt
	07/23/93	**0.024**	**0.001**	**0.001**	**0.008**	**0.034**	nt	nt	nt	nt	nt	nt	nt	nt	nt	<0.500	<0.500	nt	nt
	10/07/93	**0.008**	BDL	BDL	**0.002**	**0.010**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/05/94	**0.015**	**0.001**	**0.0004**	**0.003**	**0.019**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.130**	BDL	nt	nt
	04/07/94	**0.011**	BDL	BDL	BDL	**0.011**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.170**	BDL	nt	nt
	07/13/94	**0.009**	BDL	BDL	**0.001**	**0.010**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.130**	BDL	nt	nt
	10/06/94	**0.018**	BDL	**0.002**	**0.003**	**0.023**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.100**	BDL	nt	nt
	01/13/95	**0.012**	BDL	BDL	**0.002**	**0.014**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.150**	BDL	nt	nt
	04/11/95	**0.039**	**0.004**	**0.012**	**0.024**	**0.079**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.180**	BDL	nt	nt
	07/06/95	**0.100**	**0.010**	**0.026**	**0.061**	**0.197**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.600**	**0.160**	nt	nt
	10/05/95	**0.210**	**0.016**	**0.071**	**0.084**	**0.381**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**1.20**	**0.170**	nt	nt
	01/05/96	**0.034**	BDL	**0.005**	**0.004**	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.120**	BDL	nt	nt
	04/09/96	**0.057**	**0.003**	**0.017**	**0.019**	**0.096**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	07/09/96	**0.043**	**0.005**	**0.021**	**0.017**	**0.086**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.220**	BDL	nt	nt
	10/08/96	**0.110**	**0.004**	**0.042**	**0.039**	**0.195**	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.860**	BDL	nt	nt
	01/16/97	**0.005**	BDL	BDL	**0.001**	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.059**	BDL	nt	nt
	04/17/97	**0.087**	**0.011**	**0.049**	**0.024**	**0.171**	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**0.100**	nt	nt
	07/15/97	**0.110**	**0.011**	**0.042**	**0.040**	**0.203**	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**0.920**	**0.370**	nt	**0.018**
	10/07/97	**0.011**	BDL	**0.028**	**0.023**	**0.016**	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**0.120**	**0.101**	nt	**0.024**
	09/25/08	<0.0004	<0.0003	<0.0003	<0.0003	BDL	<0.0003	<0.00031	<0.00014	**0.0007 J**	**0.007 J**	<0.00031	<0.00024	<0.006	<0.074	**0.069**	**0.091**	nt	<0.029
	04/09/09	**0.008**	**0.0008 J**	**0.0016 J**	**0.0025 J**	**0.013**	**0.0007 J**	<0.0003	<0.00014	**0.00054 J**	**0.020**	<0.00017	<0.00023	<0.017	<0.074	**0.640**	**0.520**	<0.034	nt
	07/15/09	**0.0076**	**0.0017 J**	**0.0042 J**	<0.00013	**0.014**	**0.0019 J**	<0.00032	<0.00014	<0.00014	**0.025**	<0.00017	<0.00023	<0.017	<0.074	**0.800**	**0.110**	**0.045 J**	nt
	10/07/09	0.0002 J	<0.00029	0.0002 J	0.0005 J	0.001	<0.00011	<0.00032	<0.00014	<0.00014	0.014	<0.00017	<0.00023	<0.017	<0.074	**0.310**	0.081	<0.029	nt
	07/29/10	0.00081	<0.00025	0.00031 J	0.00058	0.002	0.00026 J	<0.00025	<0.00025	<0.00025	nt	<0.00025	<0.00025	<0.001	<0.025	**0.250**	0.120	<0.250	nt
ES-5	11/19/91	**2.10**	**3.90**	**0.840**	**6.00**	**12.840**	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**950**	nt	nt
	04/17/97	**0.590**	**1.20**	**0.180**	**1.00**	**2.970**	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**2.40**	**1.60**	nt	nt
	07/16/97	**0.810**	**1.80**	**0.430**	**1.80**	**9.680**	nt	**0.350**	nt	nt	nt	nt	nt	nt	nt	**27.0**	**15.0**	nt	**216**
	10/07/97	**0.260**	**0.470**	**0.160**	**0.590**	**1.480**	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**15.0**	**6.51**	nt	**0.424**
	09/25/08	**0.970**	**0.190**	**0.400**	**0.350**	**1.910**	**0.180**	<0.00031	<0.00014	<0.00026	**0.150**	<0.00031	**0.00057 J**	<0.006	<0.074	**12.0**	**1.90**	<0.290	nt
	04/09/09	**0.590**	**0.150**	**0.230**	**0.248**	**1.220**	**0.100**	<0.0032	<0.0014	**0.0059 J**	**0.030 J**	<0.0017	<0.0023	<0.170	<0.740	**3.70**	**10.0**	<0.033	nt
	07/15/09	**0.770**	**0.220**	**0.430**	**0.407**	**1.827**	**0.180**	<0.0016	<0.00071	<0.00068	**0.063**	<0.00086	<0.0011	<0.084	<0.370	**16.0**	**1.30**	**0.180**	nt
	10/07/09	**0.710**	**0.190**	0.440	0.373	1.713	**0.160**	<0.0032	<0.0014	<0.0014	0.068	<0.0017	<0.0023	<0.170	<0.740	**12.0**	**1.50**	0.140	nt
	07/29/10	**0.400**	**0.120**	**0.270**	**0.220**	1.010	**0.160**	<0.005	<0.005	<0.005	nt	<0.005	<0.005	<0.020	<0.500	**11.0**	**1.80**	**0.310**	nt

Table 3 - Cumulative Summary of Groundwater Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 10-1379

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Naphthalene	MTBE	ETBE	TAME	DIPE	EDB	EDC	TBA	Ethanol	TPH-g	TPH-d	TPH-o	Total PAHs
ES-6	07/23/93	<0.0003	<0.0003	<0.0003	<0.0006	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<0.500	<0.500	nt	nt
	10/07/93	**0.001**	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/05/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/07/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.160**	BDL	nt	nt
	07/13/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/06/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	01/13/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/11/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/06/95	BDL	BDL	BDL	**0.002**	**0.002**	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/05/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	01/05/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/09/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.220**	nt	nt
	07/09/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/08/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	01/16/97	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/17/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**0.120**	nt	nt
	07/15/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**0.060**	nt	BDL
	10/07/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	BDL
	09/24/08	<0.0004	<0.0003	<0.0003	<0.0003	BDL	**0.0005 J**	<0.00031	<0.00014	**0.00065 J**	**0.003 J**	<0.00031	<0.00024	<0.006	<0.074	<0.017	**0.068**	<0.290	nt
	04/08/09	<0.0001	<0.0002	<0.0001	<0.0001	BDL	<0.0001	<0.0003	<0.00014	**0.00055 J**	**0.00093 J**	<0.00017	<0.00023	<0.017	<0.074	<0.022	<0.016	**0.170**	nt
	07/15/09	**0.0021 J**	**0.00086 J**	**0.0021 J**	<0.00013	**0.005**	**0.0012 J**	<0.00032	<0.00014	**0.00074 J**	**0.00088 J**	<0.00017	<0.00023	<0.017	<0.074	**0.061**	**0.073**	**0.200**	nt
	10/06/09	<0.0001	<0.00029	<0.00015	<0.00013	BDL	<0.00011	<0.00032	<0.00014	<0.00014	0.0004 J	<0.00017	<0.00023	<0.017	<0.074	0.017 J	0.030 J	0.034 J	nt
	07/29/10	<0.00025	<0.00025	<0.00025	<0.00025	BDL	<0.00025	<0.00025	<0.00025	<0.00025	nt	<0.00025	<0.00025	<0.001	<0.025	<0.050	<0.050	<0.250	nt
ES-7	07/23/93	<0.0003	<0.0003	<0.0003	<0.0006	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<0.500	<0.500	nt	nt
	10/07/93	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/05/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/07/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.110**	**0.100**	nt	nt
	07/13/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/06/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	01/13/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/11/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/06/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/05/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/09/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/17/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**0.060**	nt	nt
	09/24/08	<0.0004	<0.0003	<0.0003	<0.0003	BDL	<0.0003	<0.00031	<0.00014	**0.00066 J**	<0.00036	<0.00031	<0.00024	<0.006	<0.074	<0.017	<0.002	**0.150**	nt
	04/08/09	<0.0001	<0.0002	<0.0001	<0.0001	BDL	<0.0001	<0.0003	<0.00014	**0.00053 J**	<0.00015	<0.00017	<0.00023	<0.017	<0.074	<0.023	<0.016	**0.690**	nt
	07/15/09	**0.0013 J**	**0.00051 J**	**0.00096 J**	<0.00013	**0.003**	**0.00052 J**	<0.00032	<0.00014	**0.0007 J**	<0.00015	<0.00017	<0.00023	<0.017	<0.074	**0.027 J**	**0.031 J**	**0.093**	nt
	10/06/09	<0.0001	<0.00029	<0.00015	<0.00013	BDL	<0.00011	<0.00032	<0.00014	<0.00014	<0.00015	<0.00017	<0.00023	<0.017	<0.074	0.024 J	<0.02	0.041 J	nt
	07/29/10	<0.00025	<0.00025	<0.00025	<0.00025	BDL	<0.00025	<0.00025	<0.00025	<0.00025	nt	<0.00025	<0.00025	<0.001	<0.025	<0.050	<0.050	<0.250	nt

Table 3 - Cumulative Summary of Groundwater Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 10-1379

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Naphthalene	MTBE	ETBE	TAME	DIPE	EDB	EDC	TBA	Ethanol	TPH-g	TPH-d	TPH-o	Total PAHs
ES-8	07/23/93	<0.0003	<0.0003	<0.0003	<0.0006	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<0.500	<0.500	nt	nt
	10/07/93	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/05/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/07/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/13/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt	nt
	10/06/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	01/13/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/11/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/06/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/05/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/09/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	09/24/08	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
	04/08/09	**0.015**	**0.0014 J**	**0.002 J**	**0.0027 J**	**0.021**	**0.0003 J**	<0.0003	<0.00014	<0.00014	**0.056**	<0.00017	<0.00023	<0.017	<0.074	**1.60**	**2.30**	<0.033	nt
	07/14/09	**0.0058**	**0.00083 J**	**0.00061 J**	<0.00013	**0.007**	<0.00011	<0.00032	<0.00014	<0.00014	**0.045**	<0.00017	<0.00023	<0.017	<0.074	**1.80**	**0.540**	**0.230**	nt
	10/06/09	**0.007**	0.001 J	0.001 J	0.001 J	0.010	0.0002 J	<0.00032	<0.00014	<0.00014	0.036	<0.00017	<0.00023	<0.017	<0.074	**1.90**	**0.270**	0.170	nt
	07/28/10	<0.00025	<0.00025	<0.00025	<0.00025	BDL	<0.00025	<0.00025	<0.00025	<0.00025	nt	<0.00025	<0.00025	<0.001	<0.025	**0.260**	0.084	<0.250	nt
ES-9	07/23/93	<0.0003	<0.0003	<0.0003	<0.0006	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<0.500	<0.500	nt	nt
	10/07/93	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/05/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/07/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/13/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/06/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	01/13/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**1.10**	nt	nt
	04/11/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/06/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/05/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	09/24/08	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
	04/08/09	<0.0001	<0.0002	<0.0001	<0.0001	BDL	<0.0001	<0.0003	<0.00014	**0.00055 J**	**0.00056 J**	<0.00017	<0.00023	<0.017	<0.074	<0.023	<0.016	**0.210**	nt
	07/15/09	<0.0001	<0.00029	<0.00015	<0.00013	BDL	<0.00011	<0.00032	<0.00014	**0.00066 J**	**0.00052 J**	<0.00017	<0.00023	<0.017	<0.074	<0.016	**0.028 J**	**0.061**	nt
	10/06/09	<0.0001	<0.00029	<0.00015	0.0002 J	0.000	<0.00011	<0.00032	<0.00014	<0.00014	0.0005 J	<0.00017	<0.00023	<0.017	<0.074	0.022 J	0.027 J	0.052	nt
	07/28/10	<0.00025	<0.00025	<0.00025	<0.00025	BDL	<0.00025	<0.00025	<0.00025	<0.00025	nt	<0.00025	<0.00025	<0.001	<0.025	<0.050	<0.050	<0.250	nt

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Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 10-1379

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Naphthalene	MTBE	ETBE	TAME	DIPE	EDB	EDC	TBA	Ethanol	TPH-g	TPH-d	TPH-o	Total PAHs
ES-10	07/23/93	<0.0003	<0.0003	<0.0003	<0.0006	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<0.500	<0.500	nt	nt
	10/07/93	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/05/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/07/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/13/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/06/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	01/13/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/11/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/06/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/05/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	09/24/08	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne
	04/09/09	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne
	07/15/09	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne
	10/7/2009	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne
	07/29/10	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne
ES-11	07/23/93	<0.0003	**0.001**	<0.0003	**0.001**	**0.002**	nt	nt	nt	nt	nt	nt	nt	nt	nt	<0.500	<0.500	nt	nt
	10/07/93	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/05/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/07/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**0.350**	nt	nt
	07/13/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/06/94	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/13/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/11/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	**0.170**	BDL	nt	nt
	07/06/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	10/05/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	07/09/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	04/17/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt
	09/25/08	<0.0004	<0.0003	<0.0003	<0.0003	BDL	<0.0003	<0.00031	<0.00014	**0.00067 J**	<0.00036	<0.00031	<0.00024	<0.006	<0.074	<0.017	**0.028 J**	<0.029	nt
	04/09/09	**0.0025 J**	**0.0009 J**	**0.0017 J**	**0.0030 J**	**0.008**	**0.0011 J**	<0.0003	<0.00014	**0.00052 J**	**0.00025 J**	<0.00017	<0.00023	<0.017	<0.074	<0.025	<0.016	**0.200**	nt
	07/15/09	**0.0028 J**	**0.00097 J**	**0.0021 J**	<0.00013	**0.006**	**0.0014 J**	<0.00032	<0.00014	<0.00014	**0.00025 J**	<0.00017	<0.00023	<0.017	<0.074	**0.041 J**	<0.020	<0.029	nt
	10/07/09	<0.0001	<0.00029	<0.00015	<0.00013	BDL	<0.00011	<0.00032	<0.00014	<0.00014	<0.00015	<0.00017	<0.00023	<0.017	<0.074	<0.016	<0.020	<0.029	nt
	07/29/10	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	nt
San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs; drinking water resource)		0.001	0.040	0.030	0.020	ne	0.017	0.005	ne	ne	ne	0.00005	0.0005	0.012	ne	0.100	0.100	0.100	ne
RWQCB ESLs (non-drinking water resource)		**0.046**	**0.130**	**0.043**	**0.100**	ne	**0.024**	**1.80**	ne	ne	ne	**0.150**	**0.200**	**18.0**	ne	**0.210**	**0.210**	**0.210**	ne
RWQCB ESLs (potential vapor intrusion concerns, commercial)		**1.80**	**530**	**170**	**160**	ne	**11.0**	**80.0**	ne	ne	ne	**0.510**	**0.690**	(use soil gas)	ne	(use soil gas)	(use soil gas)	ne	ne

Analytical test results are reported in milligrams per liter (mg/L).
Bolded results indicate detected concentrations exceeded laboratory detection limits.

na = not analyzed nt = not tested for that constituent ns = not sampled dne = does not exist ne = not established <, BDL = below laboratory detection limits J = reported result is between the MDL and PQL

Notes: 1) BTEX analyzed by EPA Method 8020
2) TPH-d analyzed by EPA Method 3550/8015 Modified
3) TPH-g analyzed by EPA Method 8015M
* Sample not analyzed due to broken sample bottle during shipment

Table 4 - Cumulative Summary of Soil Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 10-1379

Sample ID	Depth in feet BGS	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Naphthalene	MTBE	ETBE	TAME	DIPE	EDC	EDB	TBA	Ethanol	TPH-g	TPH-d	TPH-o	TFH
Investigation Samples (Collected by a Previous Consultant)																				
BC-1	16-16.5	07/08/89	nr	1.78	**37.5**	1.13	40.4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nr	nr	nr	3,060
BC-1	25-25.5	07/08/89	<10.0	<0.001	0.027	0.008	0.035	nt	nt	nt	nt	nt	nt	nt	nt	nt	nr	nr	nr	<10.0
BC-2	16-16.5	07/08/89	nr	4.00	2.00	**49.5**	55.5	nt	nt	nt	nt	nt	nt	nt	nt	nt	nr	nr	nr	4,260
BC-2	25-25.5	07/08/89	<10.0	0.090	0.402	0.154	0.646	nt	nt	nt	nt	nt	nt	nt	nt	nt	nr	nr	nr	<10.0
BC-3	16-16.5	07/08/89	nr	2.24	**28.9**	1.03	32.2	nt	nt	nt	nt	nt	nt	nt	nt	nt	nr	nr	nr	1,850
BC-3	25-25.5	07/08/89	<10.0	<0.001	0.008	<0.001	0.008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nr	nr	nr	<10.0
ES-1	16-18	11/11/91	<1.00	3.00	3.40	**22.0**	28.4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	<2.50	nt	nt
ES-2	16-18	11/12/91	<2.00	**27.0**	**28.0**	**150**	205	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	<2.50	nt	nt
ES-3	16-18	11/12/91	<0.001	<0.002	<0.002	<0.004	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	<2.50	nt	nt
ES-4	16-18	11/13/91	<0.001	<0.002	<0.002	<0.004	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
ES-5	16-18	11/14/91	<0.001	0.080	0.065	0.330	0.475	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	160	nt	nt
ES-6	15-16.5	07/23/93	<0.005	<0.005	<0.005	<0.015	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<10.0	<10.0	nt	nt
ES-7	20-21.5	07/20/93	<0.005	<0.005	<0.005	<0.015	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<10.0	<10.0	nt	nt
ES-8	20-21.5	07/20/93	<0.005	<0.005	<0.005	<0.015	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<10.0	<10.0	nt	nt
ES-9	15-16.5	07/21/93	<0.005	<0.005	<0.005	<0.015	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<10.0	<10.0	nt	nt
ES-10	20-21.5	07/21/93	<0.005	<0.005	<0.005	<0.015	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<10.0	<10.0	nt	nt
ES-11	20-21.5	07/21/93	<0.005	<0.005	<0.005	<0.015	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<10.0	<10.0	nt	nt
Source Area Confirmation Samples																				
B-1	6.5	10/22/10	0.0052	0.0073	<0.0037	0.033	0.0455	nt	<0.037	nt	nt	nt	nt	nt	nt	nt	16	27	nt	nt
B-1	14	10/22/10	0.053	0.0049	0.021	0.018	0.0969	nt	<0.040	nt	nt	nt	nt	nt	nt	nt	5.7	2.4	nt	nt
B-2	7.5	10/22/10	0.0071	<0.0039	<0.0039	<0.0039	0.0071	nt	<0.039	nt	nt	nt	nt	nt	nt	nt	1.2	<1.0	nt	nt
B-2	15.5	10/22/10	**2.5**	<2.0	4.6	**13**	20.1	nt	<20	nt	nt	nt	nt	nt	nt	nt	**2,400**	57	nt	nt
B-3	5.5	10/22/10	<0.0035	<0.0035	<0.0035	<0.0035	BDL	nt	<0.035	nt	nt	nt	nt	nt	nt	nt	<0.71	2.2	nt	nt
B-3	16	10/22/10	1.3	0.38	3.6	3.1	8.38	nt	<1.5	nt	nt	nt	nt	nt	nt	nt	**880**	35	nt	nt
B-4	9.5	10/20/10	<0.0042	<0.0042	<0.0042	<0.0042	BDL	nt	<0.042	nt	nt	nt	nt	nt	nt	nt	<0.83	<1.0	nt	nt
B-4	15.5	10/20/10	<0.82	0.87	**6.7**	**13**	20.6	nt	<8.2	nt	nt	nt	nt	nt	nt	nt	**1,800**	**1,400**	nt	nt
B-5	11.5	10/20/10	0.018	<0.0039	<0.0039	0.014	0.032	nt	<0.039	nt	nt	nt	nt	nt	nt	nt	8.9	9.7	nt	nt
B-5	16	10/20/10	<0.45	<0.45	<0.45	1.7	1.7	nt	<4.5	nt	nt	nt	nt	nt	nt	nt	**930**	**260**	nt	nt
B-6	6	10/21/10	<0.0038	<0.0038	<0.0038	<0.0038	BDL	nt	<0.038	nt	nt	nt	nt	nt	nt	nt	<0.76	7.7	nt	nt
B-7	5.5	10/21/10	<0.0045	<0.0045	<0.0045	<0.0045	BDL	nt	<0.045	nt	nt	nt	nt	nt	nt	nt	<0.89	1.5	nt	nt
B-7	16	10/21/10	<0.45	1.1	<0.45	7.1	8.2	nt	5.9	nt	nt	nt	nt	nt	nt	nt	**2,500**	**1,300**	nt	nt
B-8	5.5	10/21/10	<0.0042	<0.0042	<0.0042	<0.0042	BDL	nt	<0.042	nt	nt	nt	nt	nt	nt	nt	<0.83	4.9	nt	nt
B-8	16	10/21/10	**3.4**	<2.2	**7.3**	6.0	16.7	nt	<22	nt	nt	nt	nt	nt	nt	nt	**2,600**	**3,100**	nt	nt
B-9	13	10/21/10	<0.0042	<0.0042	<0.0042	0.0043	0.0043	nt	<0.042	nt	nt	nt	nt	nt	nt	nt	2.8	2.2	nt	nt
B-10	5.5	10/21/10	<0.0040	<0.0040	<0.0040	<0.0040	BDL	nt	<0.040	nt	nt	nt	nt	nt	nt	nt	<0.80	1.8	nt	nt
B-10	16	10/21/10	<2.2	<2.2	**6.8**	9.9	16.7	nt	<22	nt	nt	nt	nt	nt	nt	nt	**2,200**	99	nt	nt
B-11	5.5	10/21/10	<0.0040	<0.0040	<0.0040	<0.0040	BDL	nt	<0.040	nt	nt	nt	nt	nt	nt	nt	1.3	<1.0	nt	nt
B-11	14.5	10/21/10	<0.0043	<0.0043	<0.0043	<0.0043	BDL	nt	<0.043	nt	nt	nt	nt	nt	nt	nt	<0.85	7.2	nt	nt
San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs; shallow soils, <3m bgs, commercial/industrial, non-drinking water resource)			**0.270**	**9.30**	**4.70**	**11.0**	ne	**2.80**	**8.40**	ne	ne	ne	**0.480**	**0.044**	**110**	ne	**180**	**180**	**2,500**	ne
RWQCB ESLs (deep soils, >3m bgs, commercial/industrial, non-drinking water resource)			**2.00**	**9.30**	**4.70**	**11.0**	ne	**4.80**	**8.40**	ne	ne	ne	**4.30**	**1.00**	**110**	ne	**180**	**180**	**5,000**	ne

Analytical test results are reported in milligrams per Kilogram (mg/Kg).
<, BDL = below laboratory detection limits
nt = not tested for that constituent ne = not established
nr = Interpretation of results not possible as reported by previous consultant.
SAT = ESL exceeds saturated soil concentration of chemical
Bolded results indicate detected concentrations exceeded RWQCB ESLs.

Table 5 - Summary of Soil Vapor Analytical Results (October 2010)
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 10-1379

Sample ID	Depth in feet BGS	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	TPH-g	TAME	TBA	Cyclohexane	EDB	1,2-DCA	DIPE	Ethanol	ETBE	Hexane	4-Methyl-2-pentanone	MTBE	Naphthalene	1,2,4-Trimethylbenzene
SV-2	4-5	10/20/10	0.032	<0.0077	<0.0088	<0.027	0.032	8.70[1]	<0.0085	<0.062	0.540	<0.016	<0.0082	<0.0085	<0.096	<0.0085	0.200	0.071	<0.0073	<0.011	0.013
San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs; shallow soil gas, <3m bgs, commercial/industrial land use only)			**0.280**	**180**	**3.30**	**58.0**	**ne**	**29.0**	**ne**	**ne**	**ne**	**0.014**	**0.310**	**ne**	**ne**	**ne**	**ne**	**ne**	**31.00**	**0.240**	**ne**
RWQCB ESLs (shallow soil gas, <3m bgs, residential land use)			**0.084**	**63.0**	**0.980**	**21.0**	**ne**	**10.0**	**ne**	**ne**	**ne**	**0.0041**	**0.094**	**ne**	**ne**	**ne**	**ne**	**ne**	**9.40**	**0.072**	**ne**

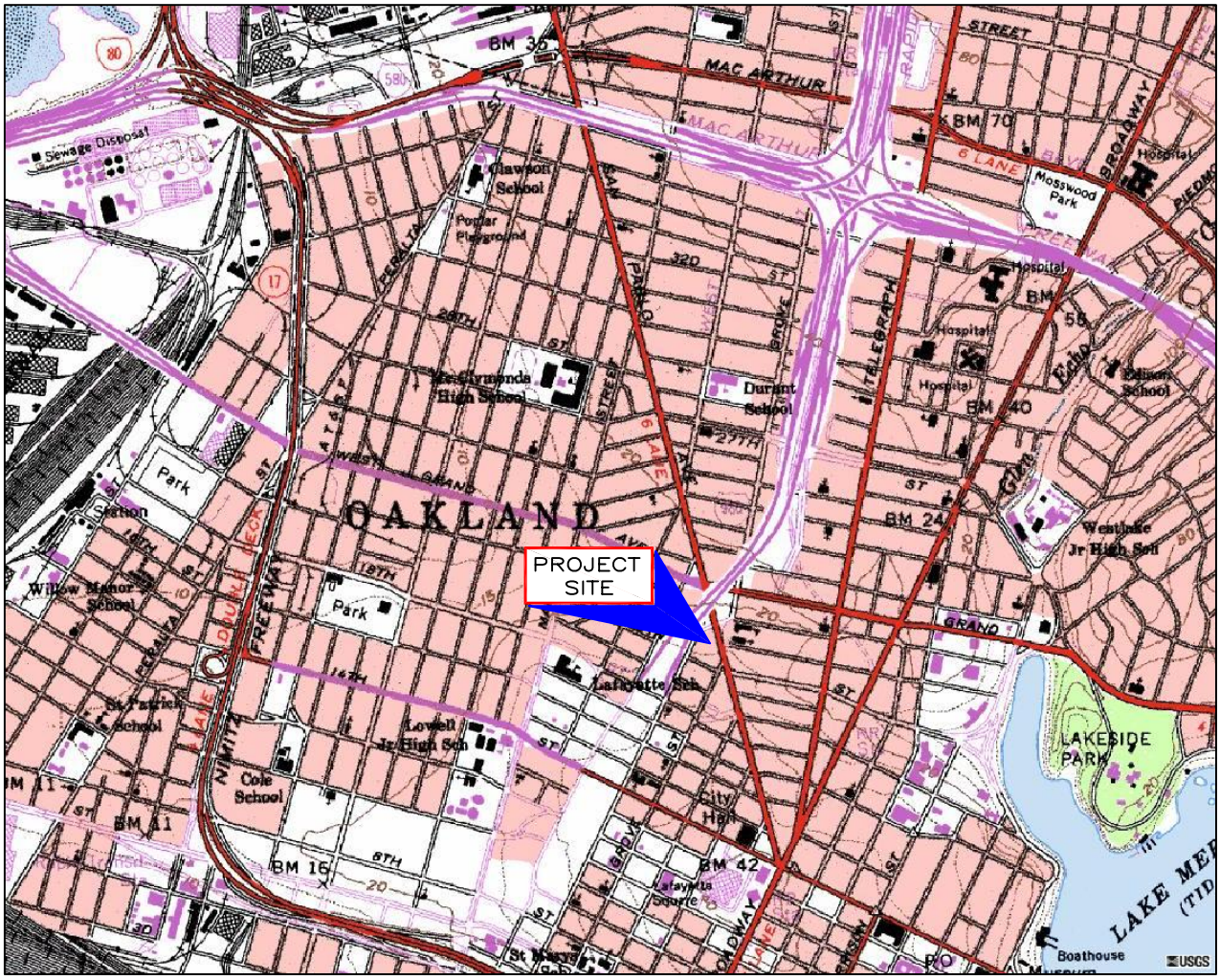
Analytical test results are reported in milligrams per cubic meter (mg/m^3).
Note 1) TPH-g is reported as an estimated value because TPH-g analysis was not initially request therefore, a TPH-g standard was not analyzed with the sample for calibration verification.
nt = not tested for that constituent ne = not established
nr = Interpretation of results not possible as reported by previous consultant.
SAT = ESL exceeds saturated soil concentration of chemical
Bolded results indicate detected concentrations exceeded RWQCB ESLs.

LIST OF FIGURES

OAKLAND WEST QUADRANGLE
OAKLAND, CALIFORNIA

LAT=37° 48' 40" N
LONG=122° 16' 24" W

1996



NORTH

SCALE 1:24000

0 1/2 1

(Miles)

0 2000 4000

(Feet)

CONTOUR INTERVAL 10 FEET

1379

FIGURE 1

SITE LOCATION/USGS TOPOGRAPHIC MAP

Greyhound Lines, Inc.
2103 San Pablo Avenue
Oakland, California

GREEN STAR ENVIRONMENTAL

Generated by:	JRS
Approved by:	TDR
Date:	05/04/09

PROJECT No. 09-1379

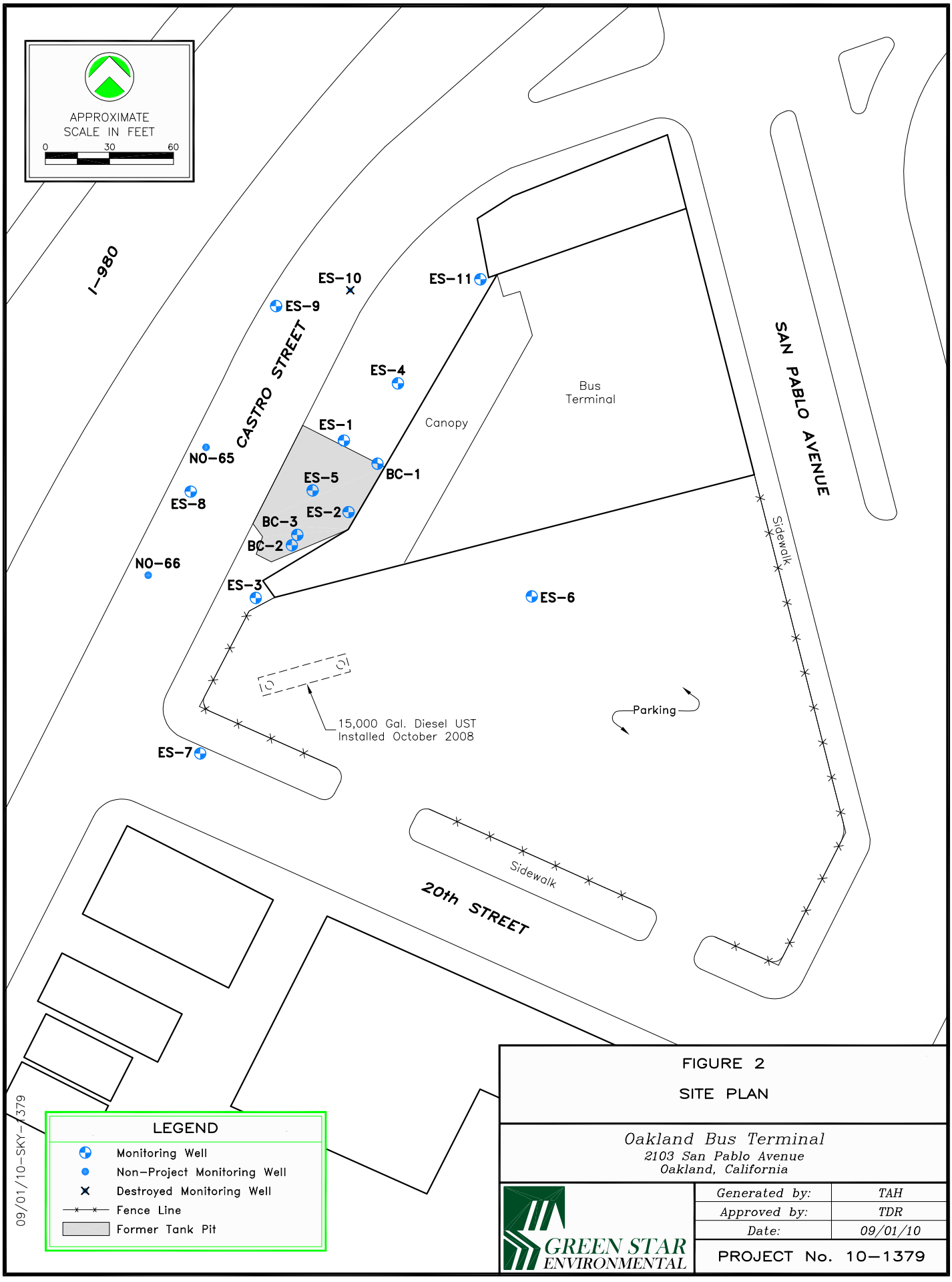


FIGURE 2

SITE PLAN

Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California

GREEN STAR ENVIRONMENTAL

Generated by:	*TAH*
Approved by:	*TDR*
Date:	*09/01/10*

PROJECT No. 10-1379

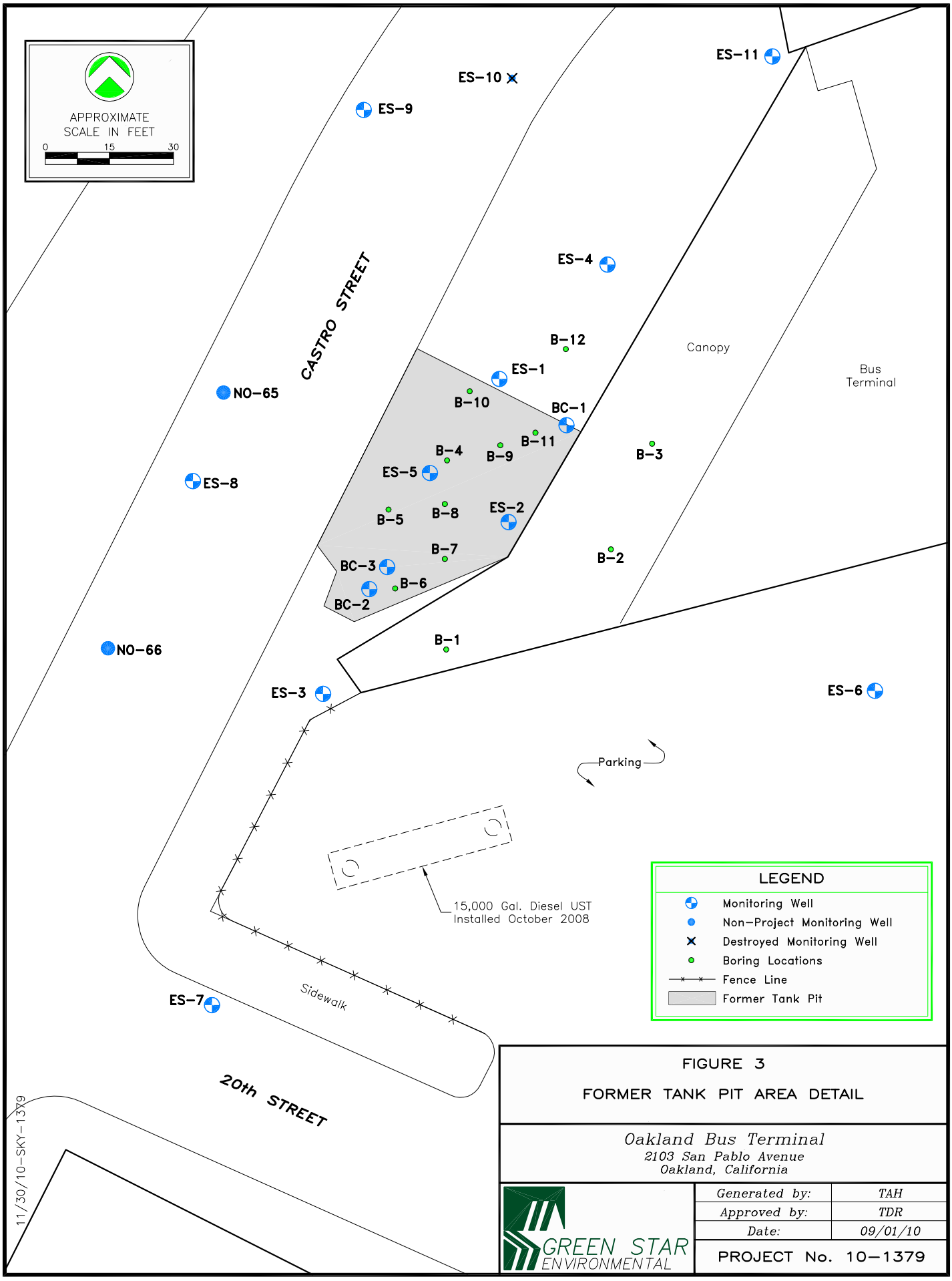


FIGURE 3

FORMER TANK PIT AREA DETAIL

Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California

GREEN STAR ENVIRONMENTAL

Generated by:	*TAH*
Approved by:	*TDR*
Date:	*09/01/10*

PROJECT No. 10-1379

11/30/10-SKY-1379

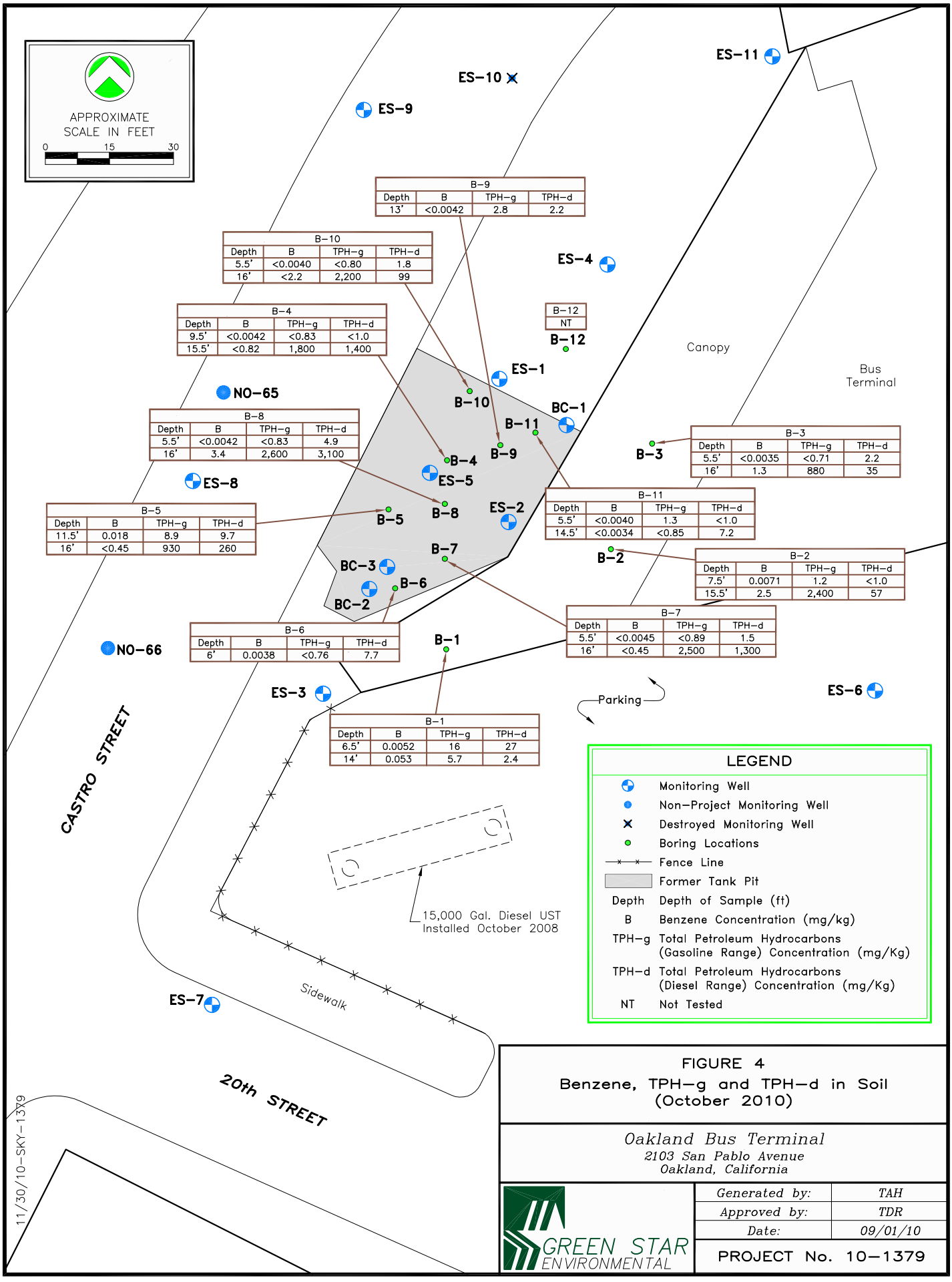


FIGURE 4

Benzene, TPH-g and TPH-d in Soil (October 2010)

Oakland Bus Terminal

2103 San Pablo Avenue
Oakland, California

Generated by:	*TAH*
Approved by:	*TDR*
Date:	*09/01/10*

GREEN STAR ENVIRONMENTAL

PROJECT No. 10-1379

11/30/10-SKY-1379

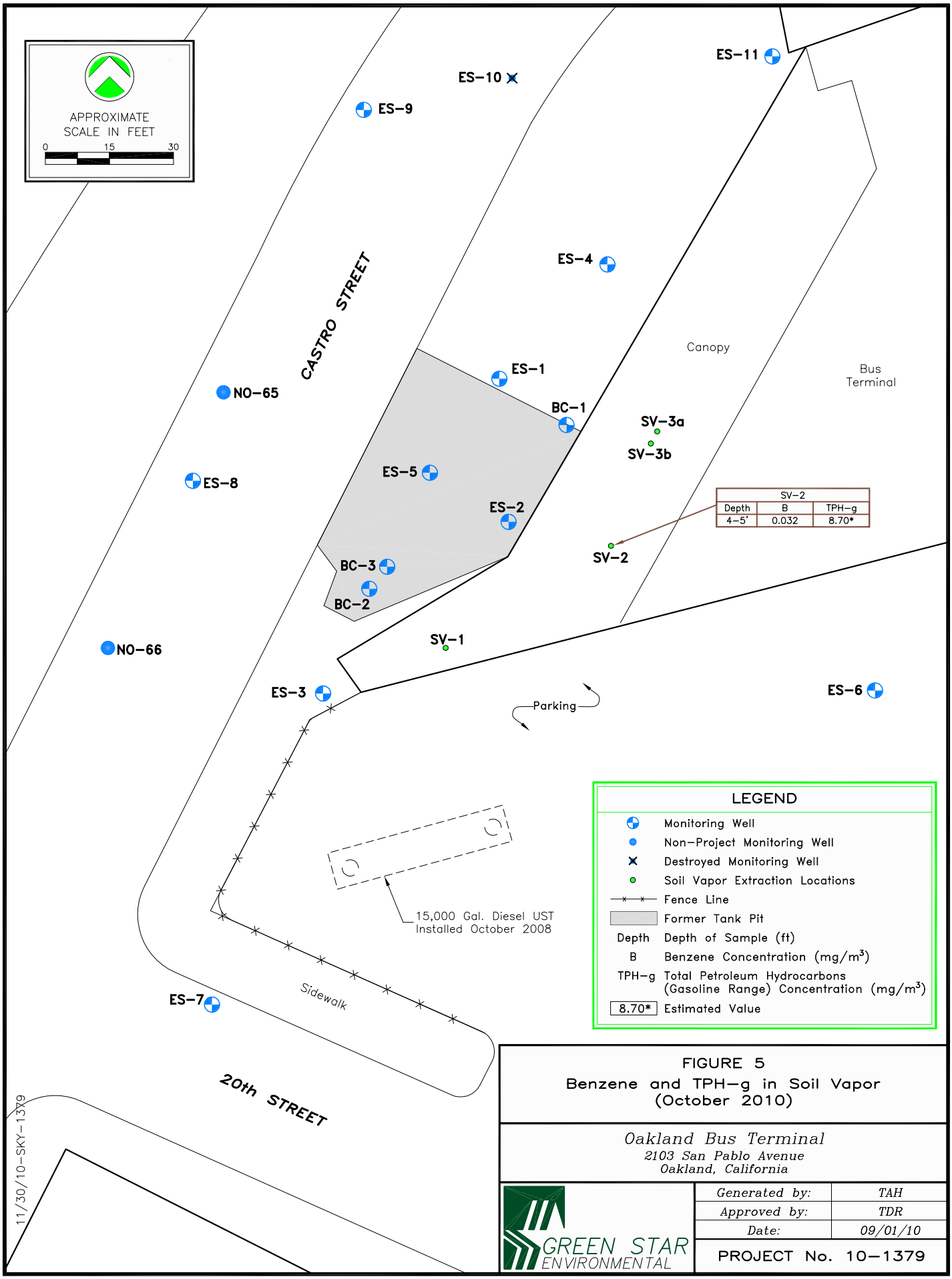


FIGURE 5

Benzene and TPH-g in Soil Vapor (October 2010)

Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California

Generated by:	*TAH*
Approved by:	*TDR*
Date:	*09/01/10*

GREEN STAR ENVIRONMENTAL

PROJECT No. 10-1379

11/30/10-SKY-1379

APPENDIX A

Soil Boring Logs

GREEN STAR ENVIRONMENTAL

BORING/WELL CONSTRUCTION LOG

Project Number:	1379.06	Boring/Well Number:	B-1
Project Name:	GLI Oakland	Date Drilled:	October 22, 2010
Location:	2103 San Pablo Ave. Oakland, CA	Casing Type/Diameter:	na
Drilling Method:	Hand Auger (HA)/Direct Push (DP)	Screen Type/Diameter:	na
Sampling Method:	Hand Auger (HA)/Direct Push (DP)	Gravel Pack Type:	na
Ground Elevation:	na	Grout Type:	na
Top of Casing Elevation:	na	Depth to Water/Date:	na
Logged by:	Terrance Harriman	Ground Water Elevation/Date:	na
Remarks:		Drilling Co./Driller:	Cascade Drilling/Clayton

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth
	NA		HA					Concrete Surface	
						CL		Moist, soft, gray CLAY FILL with some GRAVEL and hydrocarbon odor	
28		100		X					
						GW		Moist GRAVEL FILL with few fines	
					5				5
			DP			CL		Moist, medium stiff, gray CLAY with hydrocarbon odor	
19		100		{X}					
					10			- darker gray	10
		100						- increasing fine-grained SAND and stronger odor	
318				{X}		SC		Moist, loose, gray, fine-grained, well-sorted CLAYEY SAND with hydrocarbon odor	
					15				15
250		100		X				- wet and darker gray ▽	
								The boring was terminated at 18 ft. bgs.	
					20				20

BORING/WELL CONSTRUCTION LOG

Project Number:	1379.06	Boring/Well Number:	B-2
Project Name:	GLI Oakland	Date Drilled:	October 22, 2010
Location:	2103 San Pablo Ave. Oakland, CA	Casing Type/Diameter:	na
Drilling Method:	Hand Auger (HA)/Direct Push (DP)	Screen Type/Diameter:	na
Sampling Method:	Hand Auger (HA)/Direct Push (DP)	Gravel Pack Type:	na
Ground Elevation:	na	Grout Type:	na
Top of Casing Elevation:	na	Depth to Water/Date:	na
Logged by:	Terrance Harriman	Ground Water Elevation/Date:	na
Remarks:		Drilling Co./Driller:	Cascade Drilling/Clayton

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth
	NA		HA					Concrete Surface	
						CL		Moist, medium stiff, grayish-brown CLAY	
0		100		X					
					5				5
			DP						
7		100		{X}					
					10				10
		100						- hydrocarbon odor and increasing gray, fine-grained, SAND	
160				X		SC		Moist, loose, brownish-gray, fine-grained, well-sorted SAND hydrocarbon odor	
					15			- gray	15
358		100		{X}				- wet ▽	
								The boring was terminated at 18 ft. bgs.	
					20				20

GREEN STAR ENVIRONMENTAL

BORING/WELL CONSTRUCTION LOG

Project Number:	1379.06	Boring/Well Number:	B-3
Project Name:	GLI Oakland	Date Drilled:	October 22, 2010
Location:	2103 San Pablo Ave. Oakland, CA	Casing Type/Diameter:	na
Drilling Method:	Hand Auger (HA)/Direct Push (DP)	Screen Type/Diameter:	na
Sampling Method:	Hand Auger (HA)/Direct Push (DP)	Gravel Pack Type:	na
Ground Elevation:	na	Grout Type:	na
Top of Casing Elevation:	na	Depth to Water/Date:	na
Logged by:	Terrance Harriman	Ground Water Elevation/Date:	na
Remarks:		Drilling Co./Driller:	Cascade Drilling/Clayton

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth
	NA		HA					Concrete Surface	
						CL		Moist, medium stiff, brown SILTY CLAY	
		100							
0				X					
					5				5
1			DP	{X}				- gray	
		100							
								- brownish-gray	
					10				10
		100						- increasing gray, fine-grianed SAND	
10				X		SC		Moist, loose, greenish-gray, fine-grained, well-sorted CLAYEY SAND with hydrocarbon odor	
					15				15
								- darker gray	
1500		100		{X}				- wet ▽	
								The boring was terminated at 18 ft. bgs.	
					20				20

GREEN STAR ENVIRONMENTAL

BORING/WELL CONSTRUCTION LOG

Project Number:	1379.06	Boring/Well Number:	B-4
Project Name:	GLI Oakland	Date Drilled:	October 20, 2010
Location:	2103 San Pablo Ave. Oakland, CA	Casing Type/Diameter:	na
Drilling Method:	Hand Auger (HA)/Direct Push (DP)	Screen Type/Diameter:	na
Sampling Method:	Hand Auger (HA)/Direct Push (DP)	Gravel Pack Type:	na
Ground Elevation:	na	Grout Type:	na
Top of Casing Elevation:	na	Depth to Water/Date:	na
Logged by:	Terrance Harriman	Ground Water Elevation/Date:	na
Remarks:		Drilling Co./Driller:	Cascade Drilling/Clayton

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth
	NA		HA					Concrete Surface	
								FILL: broken concrete roadbase	
		100				CL		Moist, soft, brown, SILTY CLAY FILL with some GRAVEL	
65				X	5				5
			DP			CL		Moist, very stiff, grayish-brown CLAY	
		100							
170				{X}	10			- olive gray with hydrocarbon odor	10
		0						No Recovery	
					15				15
1530		100		{X}		SC		Mosit, dense, gray, fine-grained, well-sorted CLAYEY SAND with hydrocarbon odor ▽ - wet	
								The boring was terminated at 17 ft. bgs.	
					20				20

GREEN STAR ENVIRONMENTAL

BORING/WELL CONSTRUCTION LOG

Project Number:	1379.06	Boring/Well Number:	B-5
Project Name:	GLI Oakland	Date Drilled:	October 20, 2010
Location:	2103 San Pablo Ave. Oakland, CA	Casing Type/Diameter:	na
Drilling Method:	Hand Auger (HA)/Direct Push (DP)	Screen Type/Diameter:	na
Sampling Method:	Hand Auger (HA)/Direct Push (DP)	Gravel Pack Type:	na
Ground Elevation:	na	Grout Type:	na
Top of Casing Elevation:	na	Depth to Water/Date:	na
Logged by:	Terrance Harriman	Ground Water Elevation/Date:	na
Remarks:		Drilling Co./Driller:	Cascade Drilling/Clayton

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth
	NA	100	HA					Concrete Surface FILL: broken concrete roadbase	
4		100	DP	X	5	CL		Moist, soft, brown SILTY CLAY with some GRAVEL FILL	5
		50			10	GW		Mosit, angular GRAVEL FILL with few fines	10
56		100		{X}		CL		Moist, stiff, grayish-brown CLAY - greenish-gray with hydrocarbon odor	
1988		100		X	15	SC		Moist, loose, greenish-gray, fine-grained, well-sorted CLAYEY SAND with hydrocarbon odor	15
1678		100		{X}				- wet ▽	
					20			The boring was terminated at 17.5 ft. bgs.	20

GREEN STAR ENVIRONMENTAL

BORING/WELL CONSTRUCTION LOG

Project Number:	1379.06	Boring/Well Number:	B-6
Project Name:	GLI Oakland	Date Drilled:	October 21, 2010
Location:	2103 San Pablo Ave. Oakland, CA	Casing Type/Diameter:	na
Drilling Method:	Hand Auger (HA)/Direct Push (DP)	Screen Type/Diameter:	na
Sampling Method:	Hand Auger (HA)/Direct Push (DP)	Gravel Pack Type:	na
Ground Elevation:	na	Grout Type:	na
Top of Casing Elevation:	na	Depth to Water/Date:	na
Logged by:	Terrance Harriman	Ground Water Elevation/Date:	na
Remarks:		Drilling Co./Driller:	Cascade Drilling/Clayton

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth
	NA		HA					Concrete Surface	
								FILL: broken concrete roadbase	
		100				CL		Moist, soft, brown CLAY with some GRAVEL FILL	
0				X	5				5
0			DP	{X}				- stringer of very moist	
		30				GW		Moist, angular GRAVEL FILL with few fines	
3				X	10				10
		30						- stringer of moist, gray, medium stiff CLAY	
		0			15			No recovery due to GRAVEL	15
		0							
								The boring was terminated at 17.5 ft. bgs.	
					20				20

GREEN STAR ENVIRONMENTAL

BORING/WELL CONSTRUCTION LOG

Project Number:	1379.06	Boring/Well Number:	B-7
Project Name:	GLI Oakland	Date Drilled:	October 21, 2010
Location:	2103 San Pablo Ave. Oakland, CA	Casing Type/Diameter:	na
Drilling Method:	Hand Auger (HA)/Direct Push (DP)	Screen Type/Diameter:	na
Sampling Method:	Hand Auger (HA)/Direct Push (DP)	Gravel Pack Type:	na
Ground Elevation:	na	Grout Type:	na
Top of Casing Elevation:	na	Depth to Water/Date:	na
Logged by:	Terrance Harriman	Ground Water Elevation/Date:	na
Remarks:		Drilling Co./Driller:	Cascade Drilling/Clayton

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth
	NA	100	HA					Concrete Surface	
								FILL: broken concrete roadbase, GRAVEL, and some brick	
					5	CL		Moist, soft, brown CLAY with some GRAVEL and brick FILL	5
0		50	DP	{X}					
						GW		Moist, angular GRAVEL FILL with few fines	
					10				10
		0						No recovery due to GRAVEL	
					15				15
						CL		Moist, very stiff, olive gray CLAY with hydrocarbon odors	
360		100		{X}		SC		Moist, loose, greenish-gray, fine-grianed, well-sorted CLAYEY SAND with hydrocarbon odor ▽ - wet	
					20			The boring was terminated at 18 ft. bgs.	20

GREEN STAR ENVIRONMENTAL

BORING/WELL CONSTRUCTION LOG

Project Number:	1379.06	Boring/Well Number:	B-8
Project Name:	GLI Oakland	Date Drilled:	October 21, 2010
Location:	2103 San Pablo Ave. Oakland, CA	Casing Type/Diameter:	na
Drilling Method:	Hand Auger (HA)/Direct Push (DP)	Screen Type/Diameter:	na
Sampling Method:	Hand Auger (HA)/Direct Push (DP)	Gravel Pack Type:	na
Ground Elevation:	na	Grout Type:	na
Top of Casing Elevation:	na	Depth to Water/Date:	na
Logged by:	Terrance Harriman	Ground Water Elevation/Date:	na
Remarks:		Drilling Co./Driller:	Cascade Drilling/Clayton

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth
	NA		HA					Concrete Surface	
								FILL: broken concrete roadbase	
		100				CL		Moist, soft, brown CLAY with some GRAVEL FILL	
0				X	5				5
0			DP	{X}					
		30				GW		Moist, angular GRAVEL FILL with few fines	
					10				10
		0						No recovery due to GRAVEL	
						CL		- stringer of moist, medium stiff greenish-gray CLAY with h/c odor	
		90				SC		Moist, loose, greenish-gray, fine-grained, well-sorted CLAYEY SAND with hydrocarbon odor	
67				X	15				15
345				{X}				▽ - wet	
		100							
					20				20
								The boring was terminated at 20 ft. bgs.	

GREEN STAR ENVIRONMENTAL

BORING/WELL CONSTRUCTION LOG

Project Number:	1379.06	Boring/Well Number:	B-9
Project Name:	GLI Oakland	Date Drilled:	October 21, 2010
Location:	2103 San Pablo Ave. Oakland, CA	Casing Type/Diameter:	na
Drilling Method:	Hand Auger (HA)/Direct Push (DP)	Screen Type/Diameter:	na
Sampling Method:	Hand Auger (HA)/Direct Push (DP)	Gravel Pack Type:	na
Ground Elevation:	na	Grout Type:	na
Top of Casing Elevation:	na	Depth to Water/Date:	na
Logged by:	Terrance Harriman	Ground Water Elevation/Date:	na
Remarks:		Drilling Co./Driller:	Cascade Drilling/Clayton

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth
	NA	100	HA		5			Concrete Surface FILL: broken concrete roadbase	5
0		100	DP	X	10	CL		Moist, stiff, grayish-brown CLAY - greenish-gray	10
4		100		X				- increasing greenish-gray, fine-grained SAND and hydrocarbon odor	
30		100		{X}	15	SC		Moist, loose, greenish-gray, fine-grained, well-sorted CLAYEY SAND with hydrocarbon odor	15
350		100		X	20			- wet ▽	20
								The boring was terminated at 20 ft. bgs.	

GREEN STAR ENVIRONMENTAL

BORING/WELL CONSTRUCTION LOG

Project Number:	1379.06	Boring/Well Number:	B-10
Project Name:	GLI Oakland	Date Drilled:	October 21, 2010
Location:	2103 San Pablo Ave. Oakland, CA	Casing Type/Diameter:	na
Drilling Method:	Hand Auger (HA)/Direct Push (DP)	Screen Type/Diameter:	na
Sampling Method:	Hand Auger (HA)/Direct Push (DP)	Gravel Pack Type:	na
Ground Elevation:	na	Grout Type:	na
Top of Casing Elevation:	na	Depth to Water/Date:	na
Logged by:	Terrance Harriman	Ground Water Elevation/Date:	na
Remarks:		Drilling Co./Driller:	Cascade Drilling/Clayton

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth
	NA	100	HA		0			Concrete Surface	
								FILL: broken concrete roadbase and GRAVEL	
						CL		Moist, medium stiff, greenish-gray CLAY with hydrocarbon odor	
					5				5
6		100	DP	{X}				- very stiff	
					10				10
6		100		X				- increasing fine-grained SAND	
						SC		Moist, medium dense, greenish-gray, fine-grained, well-sorted CLAYEY SAND with hydrocarbon odors	
69				X	15				15
381		100		{X}				- wet ▽	
					20			The boring was terminated at 19 ft. bgs.	20

GREEN STAR ENVIRONMENTAL

BORING/WELL CONSTRUCTION LOG

Project Number:	1379.06	Boring/Well Number:	B-11
Project Name:	GLI Oakland	Date Drilled:	October 21, 2010
Location:	2103 San Pablo Ave. Oakland, CA	Casing Type/Diameter:	na
Drilling Method:	Hand Auger (HA)/Direct Push (DP)	Screen Type/Diameter:	na
Sampling Method:	Hand Auger (HA)/Direct Push (DP)	Gravel Pack Type:	na
Ground Elevation:	na	Grout Type:	na
Top of Casing Elevation:	na	Depth to Water/Date:	na
Logged by:	Terrance Harriman	Ground Water Elevation/Date:	na
Remarks:		Drilling Co./Driller:	Cascade Drilling/Clayton

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth
	NA		HA					Concrete Surface	
								FILL: GRAVEL	
						CL		Moist,medium stiff, greenish-gray CLAY with hydrocarbon odor	
3		100		X					
								- very stiff	
					5				5
2			DP	{X}					
		100							
								- greenish-brown	
					10				
								- gray with increasing fine-grained SAND and stronger odor	10
28		200		X		SC		Moist, medium dense, greenish-gray, fine-grained, well-sorted CLAYEY SAND with hydrocarbon odor	
		90							
165				{X}	15			- reddish-brown	
								The boring was terminated at 15 ft. bgs due to refusal.	15
					20				20

GREEN STAR ENVIRONMENTAL

BORING/WELL CONSTRUCTION LOG

Project Number:	1379.06	Boring/Well Number:	B-12
Project Name:	GLI Oakland	Date Drilled:	October 22, 2010
Location:	2103 San Pablo Ave. Oakland, CA	Casing Type/Diameter:	na
Drilling Method:	Hand Auger (HA)/Direct Push (DP)	Screen Type/Diameter:	na
Sampling Method:	Hand Auger (HA)/Direct Push (DP)	Gravel Pack Type:	na
Ground Elevation:	na	Grout Type:	na
Top of Casing Elevation:	na	Depth to Water/Date:	na
Logged by:	Terrance Harriman	Ground Water Elevation/Date:	na
Remarks:		Drilling Co./Driller:	Cascade Drilling/Clayton

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth
	NA		HA					Concrete Surface	
								FILL: broken concrete roadbase and GRAVEL	
8		100		X	5	CL		Moist, medium stiff, gray CLAY with some hydrocarbon odor	5
3.0		100	DP	X	10			- mottled brown and gray	10
		100						- increasing fine-grained SAND	
30				X	15	SC		Moist, loose, grayish-brown, fine-grained, well-sorted CLAYEY SAND with hydrocarbon odor	15
355		100		X				- gray - wet ▽	
					20			The boring was terminated at 18 ft. bgs.	20

APPENDIX B

Analytical Results with Chain-of-Custody Documentation

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Greenstar Environmental 354 McDonnell Street, Suite 9 Lewisville, TX 75057	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/20/10
		Date Received: 10/21/10
	Client Contact: Trent Ripley	Date Reported: 10/27/10
	Client P.O.:	Date Completed: 10/27/10

WorkOrder: 1010606

October 27, 2010

Dear Trent:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#1379.06; GLI Oakland,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

1010606

McCAMPBELL ANALYTICAL, INC.
1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Trent Ripley Bill To:

Company: Green Star Environmental

E-Mail: tdripley@greenstarenvironmental.com

Tele: (214) 222-8752 Fax: (214) 222-8762

Project #: 1379.06 Project Name: GLI Oakland

Project Location: 2103 San Pablo Ave. Oakland, CA

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	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	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis
B-4 (4.5')	GLI Oakland	10-20-10	16:10	1	J	✓					✓																					
B-4 (9.5')			16:23	2	J/L	✓					✓																					
B-4 (15.5')			16:50	2	J/L	✓					✓				✓	✓																
B-5 (4.5')			17:30	1	J	✓					✓																					
B-5 (11.5')			17:40	2	J/L	✓					✓																					
B-5 (14.5')			17:44	1	J	✓					✓																					
B-5 (16')	GLI Oakland	10-20-10	17:48	2	J/L	✓					✓				✓	✓																

Other | Comments

**Indicate here if these samples are potentially dangerous to handle:

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
	10-21-10	14:55	
Relinquished By:	Date:	Time:	Received By:
	10/21/10	1615	
Relinquished By:	Date:	Time:	Received By:

ICE/t° 3.2

GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

COMMENTS:

VOAS O&G METALS OTHER

PRESERVATION pH<2

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1010606 **ClientCode: GSET**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Trent Ripley
Greenstar Environmental
354 McDonnell Street, Suite 9
Lewisville, TX 75057
(214) 222-8752 FAX (214) 222.876

Email: tdripley@greenstarenvironmental.com
cc:
PO:
ProjectNo: #1379.06; GLI Oakland

Bill to:
Trent Ripley
Greenstar Environmental
354 McDonnell Street, Suite 9
Lewisville, TX 75057

Requested TAT: 5 days

Date Received: **10/21/2010**
Date Printed: **10/21/2010**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1010606-003	B-4 (15.5')	Soil	10/20/2010 16:50	☐	B	A										
1010606-007	B-5 (16')	Soil	10/20/2010 17:48	☐	B	A										

Test Legend:

1	G-MBTEX_ENCORE	2	TPH(D)_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **Greenstar Environmental**

Date and Time Received: **10/21/2010 5:17:44 PM**

Project Name: **#1379.06; GLI Oakland**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **1010606** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☐	No ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Greenstar Environmental	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/20/10
		Date Received: 10/21/10
354 McDonnell Street, Suite 9	Client Contact: Trent Ripley	Date Extracted: 10/21/10
Lewisville, TX 75057	Client P.O.:	Date Analyzed 10/24/10-10/28/10

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3550B Analytical methods: SW8015B Work Order: 1010606

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1010606-003A	B-4 (15.5')	S	1400	10	83	e11,e1
1010606-007A	B-5 (16')	S	260	1	84	e11,e1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

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

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e1) unmodified or weakly modified diesel is significant
e11) stoddard solvent/mineral spirit (?)

DHS ELAP Certification 1644

CC for Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Greenstar Environmental	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/20/10
		Date Received: 10/21/10
354 McDonnell Street, Suite 9	Client Contact: Trent Ripley	Date Extracted: 10/21/10
Lewisville, TX 75057	Client P.O.:	Date Analyzed: 10/27/10

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE [Encore Sampling]*

Extraction method: SW5035 Analytical methods: SW8021B/8015Bm Work Order: 1010606

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
003B	B-4 (15.5')	S	1800	ND<8.2	ND<0.82	0.87	6.7	13	200	---#	d7,d9,a9
007B	B-5 (16')	S	930	ND<4.5	ND<0.45	ND<0.45	ND<0.45	1.7	100	---#	d7,d9,a9

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

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

= cluttered chromatogram; sample peak coelutes with surrogate peak. %SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

a9) reporting limit near, but not identical to, our standard reporting limit due to variable Encore sample weight
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9) no recognizable pattern

DHS ELAP Certification 1644

CC for Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 53967 WorkOrder 1010606

EPA Method SW8021B/8015Bm **Extraction SW5035** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	N/A	0.60	N/A	N/A	N/A	108	102	5.36	N/A	N/A	70 - 130	30
MTBE	N/A	0.10	N/A	N/A	N/A	117	117	0	N/A	N/A	70 - 130	30
Benzene	N/A	0.10	N/A	N/A	N/A	94.3	95.3	1.08	N/A	N/A	70 - 130	30
Toluene	N/A	0.10	N/A	N/A	N/A	93.1	93.9	0.855	N/A	N/A	70 - 130	30
Ethylbenzene	N/A	0.10	N/A	N/A	N/A	97	94.7	2.33	N/A	N/A	70 - 130	30
Xylenes	N/A	0.30	N/A	N/A	N/A	94.9	94	0.962	N/A	N/A	70 - 130	30
%SS:	N/A	0.10	N/A	N/A	N/A	87	84	3.52	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53967 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010606-002B	10/20/10 4:23 PM	10/22/10	10/25/10 6:10 PM	1010606-003B	10/20/10 4:50 PM	10/21/10	10/27/10 2:52 AM
1010606-005B	10/20/10 5:40 PM	10/22/10	10/25/10 6:40 PM	1010606-007B	10/20/10 5:48 PM	10/21/10	10/27/10 3:22 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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.

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CC for _____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 53966 WorkOrder 1010606

EPA Method SW8015B **Extraction SW3550B** **Spiked Sample ID: 1010601-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	5.0	40	118	119	0.456	128	126	2.22	70 - 130	30	70 - 130	30
%SS:	81	25	117	117	0	106	105	1.71	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53966 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010606-003A	10/20/10 4:50 PM	10/21/10	10/28/10 11:39 PM	1010606-007A	10/20/10 5:48 PM	10/21/10	10/24/10 9:07 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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.

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CC for _____ QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

Greenstar Environmental 354 McDonnell Street, Suite 9 Lewisville, TX 75057	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/20/10
		Date Received: 10/21/10
	Client Contact: Trent Ripley	Date Reported: 10/27/10
	Client P.O.:	Date Completed: 10/27/10

WorkOrder: 1010606

October 27, 2010

Dear Trent:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#1379.06; GLI Oakland,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

1010606

McCAMPBELL ANALYTICAL, INC.

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PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Trent Ripley Bill To:

Company: Green Star Environmental

E-Mail: tdripley@greenstarenvironmental.com

Tele: (214) 222-8752 Fax: (214) 222-8762

Project #: 1379.06 Project Name: GLI Oakland

Project Location: 2103 San Pablo Ave. Oakland, CA

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: ICE	HCL	HNO_3	Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: Filter sample for DISSOLVED metals analysis	Comments
B-4 (4.5')	GLI Oakland	10-20-10	16:10	1	J		✓				✓																						
B-4 (9.5')			16:23	2	J/L		✓				✓				✓	✓																	off hold per email 10/22
B-4 (15.5')			16:50	2	J/L		✓				✓				✓	✓																
B-5 (4.5')			17:30	1	J		✓				✓																						
B-5 (11.5')			17:40	2	J/L		✓				✓				✓	✓																// off hold 10/22 //
B-5 (14.5')			17:44	1	J		✓				✓																						
B-5 (16')	GLI Oakland	10-20-10	17:48	2	J/L		✓				✓				✓	✓																	

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
	10-21-10	1455	
Relinquished By:	Date:	Time:	Received By:
	10/21/10	1615	
Relinquished By:	Date:	Time:	Received By:

ICE/t° 3.2

GOOD CONDITION_____

HEAD SPACE ABSENT_____

DECHLORINATED IN LAB_____

APPROPRIATE CONTAINERS_____

PRESERVED IN LAB_____

COMMENTS:

VOAS O&G METALS OTHER

PRESERVATION pH<2

McCampbell Analytical, Inc.
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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1010606 A **ClientCode: GSET**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Trent Ripley
Greenstar Environmental
354 McDonnell Street, Suite 9
Lewisville, TX 75057
(214) 222-8752 FAX (214) 222.8762

Email: tdripley@greenstarenvironmental.com
cc:
PO:
ProjectNo: #1379.06; GLI Oakland

Bill to:
Trent Ripley
Greenstar Environmental
354 McDonnell Street, Suite 9
Lewisville, TX 75057

Requested TAT: 5 days
Date Received: **10/21/2010**
Date Add-On: **10/22/2010**
Date Printed: **10/22/2010**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1010606-002	B-4 (9.5')	Soil	10/20/2010 16:23	☐	B	A										
1010606-005	B-5 (11.5')	Soil	10/20/2010 17:40	☐	B	A										

Test Legend:

1	G-MBTEX_ENCORE	2	TPH(D)_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: 002 and 005 off hold 10/22/10 per email

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Greenstar Environmental	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/20/10
		Date Received: 10/21/10
354 McDonnell Street, Suite 9	Client Contact: Trent Ripley	Date Extracted: 10/22/10
Lewisville, TX 75057	Client P.O.:	Date Analyzed: 10/25/10

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE [Encore Sampling]*

Extraction method: SW5035 Analytical methods: SW8021B/8015Bm Work Order: 1010606

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
002B	B-4 (9.5')	S	ND<0.83	ND<0.042	ND<0.0042	ND<0.0042	ND<0.0042	ND<0.0042	1	83	a9
005B	B-5 (11.5')	S	8.9	ND<0.039	0.018	ND<0.0039	ND<0.0039	0.014	1	78	d7,d9,a9

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

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

= cluttered chromatogram; sample peak coelutes with surrogate peak. %SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

a9) reporting limit near, but not identical to, our standard reporting limit due to variable Encore sample weight
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9) no recognizable pattern

DHS ELAP Certification 1644

CC for Angela Rydelius, Lab Manager

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Greenstar Environmental	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/20/10
		Date Received: 10/21/10
354 McDonnell Street, Suite 9	Client Contact: Trent Ripley	Date Extracted: 10/22/10
Lewisville, TX 75057	Client P.O.:	Date Analyzed 10/26/10

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3550B Analytical methods: SW8015B Work Order: 1010606

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1010606-002A	B-4 (9.5')	S	ND	1	110	
1010606-005A	B-5 (11.5')	S	9.7	1	111	e1/e3,e11

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

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

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e1) unmodified or weakly modified diesel is significant; and/or e3) aged diesel is significant
e11) stoddard solvent/mineral spirit (?)

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CC for Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 53967 WorkOrder 1010606

EPA Method SW8021B/8015Bm **Extraction SW5035** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	N/A	0.60	N/A	N/A	N/A	108	102	5.36	N/A	N/A	70 - 130	30
MTBE	N/A	0.10	N/A	N/A	N/A	117	117	0	N/A	N/A	70 - 130	30
Benzene	N/A	0.10	N/A	N/A	N/A	94.3	95.3	1.08	N/A	N/A	70 - 130	30
Toluene	N/A	0.10	N/A	N/A	N/A	93.1	93.9	0.855	N/A	N/A	70 - 130	30
Ethylbenzene	N/A	0.10	N/A	N/A	N/A	97	94.7	2.33	N/A	N/A	70 - 130	30
Xylenes	N/A	0.30	N/A	N/A	N/A	94.9	94	0.962	N/A	N/A	70 - 130	30
%SS:	N/A	0.10	N/A	N/A	N/A	87	84	3.52	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53967 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010606-002B	10/20/10 4:23 PM	10/22/10	10/25/10 6:10 PM	1010606-005B	10/20/10 5:40 PM	10/22/10	10/25/10 6:40 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 53967 WorkOrder 1010606

EPA Method SW8021B/8015Bm **Extraction SW5035** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	N/A	0.60	N/A	N/A	N/A	108	102	5.36	N/A	N/A	70 - 130	30
MTBE	N/A	0.10	N/A	N/A	N/A	117	117	0	N/A	N/A	70 - 130	30
Benzene	N/A	0.10	N/A	N/A	N/A	94.3	95.3	1.08	N/A	N/A	70 - 130	30
Toluene	N/A	0.10	N/A	N/A	N/A	93.1	93.9	0.855	N/A	N/A	70 - 130	30
Ethylbenzene	N/A	0.10	N/A	N/A	N/A	97	94.7	2.33	N/A	N/A	70 - 130	30
Xylenes	N/A	0.30	N/A	N/A	N/A	94.9	94	0.962	N/A	N/A	70 - 130	30
%SS:	N/A	0.10	N/A	N/A	N/A	87	84	3.52	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53967 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010606-002B	10/20/10 4:23 PM	10/22/10	10/25/10 6:10 PM	1010606-005B	10/20/10 5:40 PM	10/22/10	10/25/10 6:40 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 53966 WorkOrder 1010606

EPA Method SW8015B **Extraction SW3550B** **Spiked Sample ID: 1010601-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	5.0	40	118	119	0.456	128	126	2.22	70 - 130	30	70 - 130	30
%SS:	81	25	117	117	0	106	105	1.71	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53966 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010606-002A	10/20/10 4:23 PM	10/22/10	10/26/10 8:31 AM	1010606-005A	10/20/10 5:40 PM	10/22/10	10/26/10 9:46 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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.

DHS ELAP Certification 1644

CC for _____ QA/QC Officer

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Greenstar Environmental	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/21/10-10/22/10
		Date Received: 10/22/10
354 McDonnell Street, Suite 9	Client Contact: Trent Ripley	Date Reported: 11/01/10
Lewisville, TX 75057	Client P.O.:	Date Completed: 11/01/10

WorkOrder: 1010657

November 01, 2010

Dear Trent:

Enclosed within are:

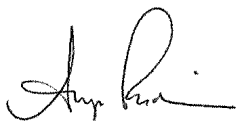
1) The results of the **16** analyzed samples from your project: **#1379.06; GLI Oakland,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,



Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

1016057

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Trent Ripley Bill To:

Company: Green Star Environmental

E-Mail: tdripley@greenstarenvironmental.com

Tele: (214) 222-8752 Fax: (214) 222-8762

Project #: 1379.06 Project Name: GLI Oakland

Project Location: 2103 San Pablo Ave. Oakland, CA

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	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	Analysis Request: BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	Analysis Request: TPH as Diesel (8015)	Analysis Request: Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Analysis Request: Total Petroleum Hydrocarbons (418.1)	Analysis Request: EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	Analysis Request: MTBE / BTEX ONLY (EPA 602 / 8021)	Analysis Request: EPA 505/ 608 / 8081 (Cl Pesticides)	Analysis Request: EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	Analysis Request: EPA 507 / 8141 (NP Pesticides)	Analysis Request: EPA 515 / 8151 (Acidic Cl Herbicides)	Analysis Request: EPA 524.2 / 624 / 8260 (VOCs)	Analysis Request: EPA 525.2 / 625 / 8270 (SVOCs)	Analysis Request: EPA 8270 SIM / 8310 (PAHs / PNAs)	Analysis Request: CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	Analysis Request: LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Analysis Request: Lead (200.7 / 200.8 / 6010 / 6020)	Other: Filter sample for DISSOLVED metals analysis	Comments
B-6 (4')	GLI Oakland	10-21-10	9:47	1	J		✓				✓																				✓	
B-6 (6')			10:44	2	J/C		✓				✓				✓	✓																
B-6 (11')			10:53	1	J		✓				✓																				✓	
B-7 (5.5')			11:53	2	J/C		✓				✓				✓	✓																
B-7 ~~(15.5')~~ (16)			11:58	2	J/C		✓				✓				✓	✓																
B-8 (4')			12:35	1	J		✓				✓																				✓	
B-8 (5.5')			13:10	2	J/C		✓				✓				✓	✓																
B-8 (14.5')			13:15	2	J/C		✓				✓																				✓	
B-8 (16')			13:23	2	J/C		✓				✓				✓	✓																
B-9 (5.5')			14:35	2	J/C		✓				✓																				✓	
B-9 (10.5')	GLI Oakland	10-21-10	14:45	2	J/C		✓				✓																				✓	

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
	10-22-10	1755	
Relinquished By:	Date:	Time:	Received By:
	10/22/10	1755	
Relinquished By:	Date:	Time:	Received By:

ICE/t° 0.2
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

VOAS O&G METALS OTHER
PRESERVATION pH<2

COMMENTS:
Please Freeze
all held/unused
Cores 'One Sample, #

McCAMPBELL ANALYTICAL, INC.
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Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Trent Ripley Bill To:
Company: Green Star Environmental
E-Mail: tdripley@greenstarenvironmental.com
Tele: (214) 222-8752 Fax: (214) 222-8762
Project #: 1379.06 Project Name: GLI Oakland
Project Location: 2103 San Pablo Ave. Oakland, CA
Sampler Signature: [signature]

Analysis Request: BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE; TPH as Diesel (8015); Total Petroleum Oil & Grease (1664 / 5520 E/B&F); Total Petroleum Hydrocarbons (418.1); EPA 502.2 / 601 / 8010 / 8021 (HVOCs); MTBE / BTEX ONLY (EPA 602 / 8021); EPA 505/ 608 / 8081 (Cl Pesticides); EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners; EPA 507 / 8141 (NP Pesticides); EPA 515 / 8151 (Acidic Cl Herbicides); EPA 524.2 / 624 / 8260 (VOCs); EPA 525.2 / 625 / 8270 (SVOCs); EPA 8270 SIM / 8310 (PAHs / PNAs); CAM 17 Metals (200.7 / 200.8 / 6010 / 6020); LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020); Lead (200.7 / 200.8 / 6010 / 6020)

Other: Filter sample for DISSOLVED metals analysis; Hold

Comments: **Indicate here if these samples are potentially dangerous to handle:

	SAMPLE ID	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containers	Water	Soil	Air	Sludge	Other	ICE	HCL	HNO$_3$	Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Hold
✓	B-9 (13')	GLI Oakland	10-21-10	14:47	2	S/L		✓				✓				✓	✓	
	B-9 (15')	↓	↓	15:02	2	S/L		✓				✓						✓
✓	B-10 (5.5')	↓	↓	16:10	2	S/L		✓				✓				✓	✓	
	B-10 (11')	↓	↓	16:16	1	S		✓				✓						✓
	B-10 (14.5')	↓	↓	16:30	2	S/L		✓				✓						✓
✓	B-10 (16')	↓	↓	16:35	2	S/L		✓				✓				✓	✓	
	B-11 (2.5)	↓	↓	17:29	1	S		✓				✓						✓
✓	B-11 (5.5')	↓	↓	17:43	2	S/L		✓				✓				✓	✓	
	B-11 (11.5')	↓	↓	17:54	2	S/L		✓				✓						✓
✓	B-11 (14.5')	↓ GLI Oakland	↓ 10-21-10	17:59	2	S/L		✓				✓				✓	✓	

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Relinquished By:	Date:	Time:	Received By:
[signature]	10-22-10	1555	[signature]
[signature]	10/22/10	1755	[signature]

ICE/t°
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

PRESERVATION VOAS O&G METALS pH<2 OTHER

COMMENTS:
Please freeze all ~~held~~ held / un-run core n One samples

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Trent Ripley Bill To:
Company: Green Star Environmental
E-Mail: tdripley@greenstarenvironmental.com
Tele: (214) 222-8752 Fax: (214) 222-8762
Project #: 1379.06 Project Name: GLI Oakland
Project Location: 2103 San Pablo Ave. Oakland, CA
Sampler Signature: [signature]

SAMPLE ID	LOCATION/ Field Point Name	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	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: Filter sample for DISSOLVED metals analysis	Other: Hold	Other	Comments: **Indicate here if these samples are potentially dangerous to handle:
B-12 (3')	GLI Oakland	10-22-10	9:35	1	J		✓				✓																					✓		
~~B-12 (3'?)~~							~~✓~~				~~✓~~																							
B-12 (7')			9:47	2	J/c		✓				✓																					✓		
B-12 (13.5')			9:59	2	J/c		✓				✓																					✓		
B-12 (15.5')			10:14	2	J/c		✓				✓																					✓		
B-3 (3.5')			11:30	1	J		✓				✓																					✓		
✓ B-3 (5.5')			11:50	2	J/c		✓				✓				✓	✓																		
B-3 (13.5')			12:01	2	J/c		✓				✓																					✓		
✓ B-3 (16')			12:07	2	J/c		✓				✓				✓	✓																		
B-2 (3')	↓	↓	12:41	1	J		✓				✓																					✓		
✓ B-2 (7.5')	GLI Oakland	10-22-10	12:54	2	J/c		✓				✓				✓	✓																		

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Relinquished By:	Date:	Time:	Received By:
[signature]	10-22-10	1535	[signature]
Relinquished By: [signature]	Date: 10/22/10	Time: 1755	Received By: [signature]
Relinquished By:	Date:	Time:	Received By:

ICE/t°______
GOOD CONDITION______
HEAD SPACE ABSENT______
DECHLORINATED IN LAB______
APPROPRIATE CONTAINERS______
PRESERVED IN LAB______

PRESERVATION______ VOAS O&G METALS pH<2______ OTHER

COMMENTS:
* Please freeze all held/un-run core in' and samples *

McCAMPBELL ANALYTICAL, INC.

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Trent Ripley Bill To:

Company: Green Star Environmental

E-Mail: tdripley@greenstarenvironmental.com

Tele: (214) 222-8752 Fax: (214) 222-8762

Project #: 1379.06 Project Name: GLI Oakland

Project Location: 2103 San Pablo Ave. Oakland, CA

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: ICE	HCL	HNO_3	Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis	Hold
B-2 (13.5')	GLI Oakland	10-22-10	13:05	2	T/C		✓				✓																						✓
B-2 (15.5')			13:10	2	T/C		✓				✓				✓	✓																	
B-1 (2')			13:33	1	J		✓				✓																						✓
B-1 (6.5')			13:41	2	T/C		✓				✓				✓	✓																	
B-1 (14')			13:46	2	T/C		✓				✓				✓	✓																	
B-1 (15.5')	GLI Oakland	10-22-10	13:56	2	T/C		✓				✓																						✓
(TB) B- ( )							✓				✓																						

Analysis Request	Other	Comments
	Filter sample for DISSOLVED metals analysis; Hold	**Indicate here if these samples are potentially dangerous to handle:

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
	10-22-10	1555	
	10/22/10	1755	

ICE/t*_____
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

VOAS O&G METALS OTHER
PRESERVATION_____ pH<2_____

COMMENTS:
* Please freeze all hold / un-run Core n' One samples *

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1010657 **ClientCode: GSET**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Trent Ripley
Greenstar Environmental
354 McDonnell Street, Suite 9
Lewisville, TX 75057
(214) 222-8752 FAX (214) 222.876

Email: tdripley@greenstarenvironmental.com
cc:
PO:
ProjectNo: #1379.06; GLI Oakland

Bill to:
Trent Ripley
Greenstar Environmental
354 McDonnell Street, Suite 9
Lewisville, TX 75057

Requested TAT: 5 days

Date Received: **10/22/2010**
Date Printed: **10/22/2010**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1010657-002	B-6 (6')	Soil	10/21/2010 10:44	☐	B	A										
1010657-004	B-7 (5.5')	Soil	10/21/2010 11:53	☐	B	A										
1010657-005	B-7 (16')	Soil	10/21/2010 11:58	☐	B	A										
1010657-007	B-8 (5.5')	Soil	10/21/2010 13:10	☐	B	A										
1010657-009	B-8 (16')	Soil	10/21/2010 13:23	☐	B	A										
1010657-012	B-9 (13')	Soil	10/21/2010 14:47	☐	B	A										
1010657-014	B-10 (5.5')	Soil	10/21/2010 15:10	☐	B	A										
1010657-017	B-11 (16')	Soil	10/21/2010 16:35	☐	B	A										
1010657-019	B-11 (5.5')	Soil	10/21/2010 17:43	☐	B	A										
1010657-021	B-11 (14.5')	Soil	10/22/2010 17:59	☐	B	A										
1010657-027	B-3 (5.5')	Soil	10/22/2010 11:50	☐	B	A										
1010657-029	B-3 (16')	Soil	10/22/2010 12:07	☐	B	A										
1010657-031	B-2 (7.5')	Soil	10/22/2010 12:54	☐	B	A										
1010657-033	B-2 (15.5')	Soil	10/22/2010 13:10	☐	B	A										

Test Legend:

1	G-MBTEX_ENCORE	2	TPH(D)_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1010657 **ClientCode: GSET**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Trent Ripley
Greenstar Environmental
354 McDonnell Street, Suite 9
Lewisville, TX 75057
(214) 222-8752 FAX (214) 222.876

Email: tdripley@greenstarenvironmental.com
cc:
PO:
ProjectNo: #1379.06; GLI Oakland

Bill to:
Trent Ripley
Greenstar Environmental
354 McDonnell Street, Suite 9
Lewisville, TX 75057

Requested TAT: 5 days

Date Received: **10/22/2010**
Date Printed: **10/22/2010**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1010657-035	B-1 (6.5')	Soil	10/22/2010 13:41	☐	B	A										
1010657-036	B-1 (14')	Soil	10/22/2010 13:46	☐	B	A										

Test Legend:

1	G-MBTEX_ENCORE	2	TPH(D)_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **Greenstar Environmental**

Date and Time Received: **10/22/2010 7:47:46 PM**

Project Name: **#1379.06; GLI Oakland**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **1010657** Matrix Soil

Carrier: Benjamin Yslas (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Greenstar Environmental	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/21/10-10/22/10
		Date Received: 10/22/10
354 McDonnell Street, Suite 9	Client Contact: Trent Ripley	Date Extracted: 10/22/10
Lewisville, TX 75057	Client P.O.:	Date Analyzed 10/28/10-10/29/10

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3550B Analytical methods: SW8015B Work Order: 1010657

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1010657-002A	B-6 (6')	S	7.7	1	116	e7,e2
1010657-004A	B-7 (5.5')	S	1.5	1	80	e7,e2
1010657-005A	B-7 (16')	S	1300	10	112	e1
1010657-007A	B-8 (5.5')	S	4.9	1	87	e7,e2
1010657-009A	B-8 (16')	S	3100	10	88	e1,e11
1010657-012A	B-9 (13')	S	2.2	1	81	e2
1010657-014A	B-10 (5.5')	S	1.8	1	83	e2
1010657-017A	B-11 (16')	S	99	1	117	e11,e2
1010657-019A	B-11 (5.5')	S	ND	1	109	
1010657-021A	B-11 (14.5')	S	7.2	1	108	e1
1010657-027A	B-3 (5.5')	S	2.2	1	113	e2
1010657-029A	B-3 (16')	S	35	1	83	e11,e2
1010657-031A	B-2 (7.5')	S	ND	1	109	
1010657-033A	B-2 (15.5')	S	57	1	114	e11,e2
1010657-035A	B-1 (6.5')	S	27	1	111	e11,e2
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA		
		S	1.0	mg/Kg		

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

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e1) unmodified or weakly modified diesel is significant
e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant
e11) stoddard solvent/mineral spirit (?)

DHS ELAP Certification 1644

CC for Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Greenstar Environmental	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/21/10-10/22/10
354 McDonnell Street, Suite 9		Date Received: 10/22/10
	Client Contact: Trent Ripley	Date Extracted: 10/22/10
Lewisville, TX 75057	Client P.O.:	Date Analyzed 10/28/10-10/29/10

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3550B Analytical methods: SW8015B Work Order: 1010657

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1010657-036A	B-1 (14')	S	2.4	1	109	e2

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

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

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e1) unmodified or weakly modified diesel is significant
e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant
e11) stoddard solvent/mineral spirit (?)

DHS ELAP Certification 1644

CC for Angela Rydelius, Lab Manager

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Greenstar Environmental	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/21/10-10/22/10
		Date Received: 10/22/10
354 McDonnell Street, Suite 9	Client Contact: Trent Ripley	Date Extracted: 10/22/10
Lewisville, TX 75057	Client P.O.:	Date Analyzed: 10/23/10-10/27/10

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE [Encore Sampling]*

Extraction method: SW5035 Analytical methods: SW8021B/8015Bm Work Order: 1010657

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
002B	B-6 (6')	S	ND<0.76	ND<0.038	ND<0.0038	ND<0.0038	ND<0.0038	ND<0.0038	1	83	a9
004B	B-7 (5.5')	S	ND<0.89	ND<0.045	ND<0.0045	ND<0.0045	ND<0.0045	ND<0.0045	1	86	a9
005B	B-7 (16')	S	2500	5.9	ND<0.45	1.1	ND<0.45	7.1	100	96	d7,d9,a9
007B	B-8 (5.5')	S	ND<0.83	ND<0.042	ND<0.0042	ND<0.0042	ND<0.0042	ND<0.0042	1	83	a9
009B	B-8 (16')	S	2600	ND<22	3.4	ND<2.2	7.3	6.0	500	---#	d7,d9,a9
012B	B-9 (13')	S	2.8	ND<0.042	ND<0.0042	ND<0.0042	ND<0.0042	0.0043	1	88	d7,d9,a9
014B	B-10 (5.5')	S	ND<0.80	ND<0.040	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040	1	85	a9
017B	B-11 (16')	S	2200	ND<22	ND<2.2	ND<2.2	6.8	9.9	500	---#	d7,d9,a9
019B	B-11 (5.5')	S	1.3	ND<0.040	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040	1	85	d7,a9
021B	B-11 (14.5')	S	ND<0.85	ND<0.043	ND<0.0043	ND<0.0043	ND<0.0043	ND<0.0043	1	81	a9
027B	B-3 (5.5')	S	ND<0.71	ND<0.035	ND<0.0035	ND<0.0035	ND<0.0035	ND<0.0035	1	83	a9
029B	B-3 (16')	S	880	ND<1.5	1.3	0.38	3.6	3.1	20	---#	d7,d9,a9
031B	B-2 (7.5')	S	1.2	ND<0.039	0.0071	ND<0.0039	ND<0.0039	ND<0.0039	1	85	d1,a9
033B	B-2 (15.5')	S	2400	ND<20	2.5	ND<2.0	4.6	13	500	---#	d7,d9,a9
035B	B-1 (6.5')	S	16	ND<0.037	0.0052	0.0073	ND<0.0037	0.033	1	100	d7,d9,a9
036B	B-1 (14')	S	5.7	ND<0.040	0.053	0.0049	0.021	0.018	1	88	d1,a9

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

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

= cluttered chromatogram; sample peak coelutes with surrogate peak. %SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

a9) reporting limit near, but not identical to, our standard reporting limit due to variable Encore sample weight
d1) weakly modified or unmodified gasoline is significant
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9) no recognizable pattern

DHS ELAP Certification 1644

CC for Angela Rydelius, Lab Manager

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"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 53967 WorkOrder 1010657

EPA Method SW8021B/8015Bm **Extraction SW5035** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	N/A	0.60	N/A	N/A	N/A	108	102	5.36	N/A	N/A	70 - 130	30
MTBE	N/A	0.10	N/A	N/A	N/A	117	117	0	N/A	N/A	70 - 130	30
Benzene	N/A	0.10	N/A	N/A	N/A	94.3	95.3	1.08	N/A	N/A	70 - 130	30
Toluene	N/A	0.10	N/A	N/A	N/A	93.1	93.9	0.855	N/A	N/A	70 - 130	30
Ethylbenzene	N/A	0.10	N/A	N/A	N/A	97	94.7	2.33	N/A	N/A	70 - 130	30
Xylenes	N/A	0.30	N/A	N/A	N/A	94.9	94	0.962	N/A	N/A	70 - 130	30
%SS:	N/A	0.10	N/A	N/A	N/A	87	84	3.52	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53967 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010657-002B	10/21/10 10:44 AM	10/22/10	10/23/10 12:59 PM	1010657-004B	10/21/10 11:53 AM	10/22/10	10/23/10 4:27 PM
1010657-005B	10/21/10 11:58 AM	10/22/10	10/23/10 5:56 PM	1010657-007B	10/21/10 1:10 PM	10/22/10	10/23/10 4:57 PM
1010657-009B	10/21/10 1:23 PM	10/22/10	10/23/10 6:26 PM	1010657-012B	10/21/10 2:47 PM	10/22/10	10/23/10 6:55 PM
1010657-014B	10/21/10 3:10 PM	10/22/10	10/25/10 5:09 PM	1010657-017B	10/21/10 4:35 PM	10/22/10	10/23/10 7:54 PM
1010657-019B	10/21/10 5:43 PM	10/22/10	10/25/10 5:40 PM	1010657-021B	10/22/10 5:59 PM	10/22/10	10/23/10 8:54 PM
1010657-027B	10/22/10 11:50 AM	10/22/10	10/23/10 9:23 PM	1010657-029B	10/22/10 12:07 PM	10/22/10	10/27/10 1:52 AM
1010657-031B	10/22/10 12:54 PM	10/22/10	10/27/10 1:23 AM	1010657-033B	10/22/10 1:10 PM	10/22/10	10/23/10 11:51 PM
1010657-035B	10/22/10 1:41 PM	10/22/10	10/25/10 10:38 PM	1010657-036B	10/22/10 1:46 PM	10/22/10	10/24/10 2:19 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 53966 WorkOrder 1010657

EPA Method SW8015B **Extraction SW3550B** **Spiked Sample ID: 1010601-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	5.0	40	118	119	0.456	128	126	2.22	70 - 130	30	70 - 130	30
%SS:	81	25	117	117	0	106	105	1.71	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53966 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010657-002A	10/21/10 10:44 AM	10/22/10	10/29/10 12:04 PM	1010657-005A	10/21/10 11:58 AM	10/22/10	10/29/10 10:54 AM
1010657-007A	10/21/10 1:10 PM	10/22/10	10/29/10 5:06 PM	1010657-009A	10/21/10 1:23 PM	10/22/10	10/29/10 6:45 AM
1010657-012A	10/21/10 2:47 PM	10/22/10	10/29/10 12:35 PM	1010657-014A	10/21/10 3:10 PM	10/22/10	10/29/10 1:41 PM
1010657-017A	10/21/10 4:35 PM	10/22/10	10/28/10 7:29 PM	1010657-019A	10/21/10 5:43 PM	10/22/10	10/28/10 9:49 PM
1010657-021A	10/22/10 5:59 PM	10/22/10	10/29/10 2:28 AM	1010657-027A	10/22/10 11:50 AM	10/22/10	10/29/10 2:14 AM
1010657-029A	10/22/10 12:07 PM	10/22/10	10/29/10 4:00 PM	1010657-031A	10/22/10 12:54 PM	10/22/10	10/29/10 12:42 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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.

DHS ELAP Certification 1644

CC for _____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 53974 WorkOrder 1010657

EPA Method SW8015B **Extraction SW3550B** **Spiked Sample ID: 1010622-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	550	40	NR	NR	NR	128	128	0	70 - 130	30	70 - 130	30
%SS:	103	25	111	99	11.6	109	108	0.327	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53974 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010657-004A	10/21/10 11:53 AM	10/22/10	10/29/10 11:29 AM	1010657-033A	10/22/10 1:10 PM	10/22/10	10/29/10 4:49 AM
1010657-035A	10/22/10 1:41 PM	10/22/10	10/28/10 8:39 PM	1010657-036A	10/22/10 1:46 PM	10/22/10	10/29/10 12:57 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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.

DHS ELAP Certification 1644

CC for _____ QA/QC Officer

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Greenstar Environmental	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/20/10
		Date Received: 10/21/10
354 McDonnell Street, Suite 9	Client Contact: Trent Ripley	Date Reported: 10/28/10
Lewisville, TX 75057	Client P.O.:	Date Completed: 10/28/10

WorkOrder: 1010610

December 02, 2010

Dear Trent:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#1379.06; GLI Oakland,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

1010610

McCAMPBELL ANALYTICAL INC.

1534 Willow Pass Road
Pittsburg, CA 94565-1701
www.main@mccampbell.com
Telephone: (925) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ❑ RUSH ❑ 24 HR ❑ 48 HR ❑ 72 HR ❑ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Trent Ripley Bill To:

Company: Green Star Environmental

tripley@greenstarenvironmental.com
E-Mail:

Tele: (214) ~~222~~-8752 Fax: (214) ~~22~~-8762

Project #: 1375.06 Project Name: GLE Oakland

Project Location: 2103 San Pablo Ave. Oakland, CA

Sampler Signature:

Lab Use Only

Pressurized By	Date	Pressurization Gas	
		N2	He

Notes: 1 liter sample canister, 6 liter Purge canister
* Call Trent Ripley at (214) 222-8752 to confirm which canisters to analyze

Field Sample ID (Location)	Collection Date	Collection Time	Canister SN#	Manifold ~~Sampler Kit~~ SN#	Analysis Requested	Indoor Air	Soil Gas	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
SV-1	10-20-10	12:33	6169	316-~~6683~~ 6684	TO-15		X	-28 in Hg	-27.5 in Hg		
SV-2	10-20-10	13:40	6407	316-6682	TO-15 off hold 10/22/10		X	-30 in Hg	-5 in Hg		
SV-3a	10-20-10	14:22	6311	316-6687	TO-15		X	-29.5 in Hg	-25.5 in Hg		
SV-3b	10-20-10	16:02	6306	316-682	TO-15		X	-29 in Hg	-28 in Hg		

Relinquished By:	Date:	Time:	Received By:
	10-20-10	1955	
Relinquished By:	Date:	Time:	Received By:
	10/21/10	0615	
Relinquished By:	Date:	Time:	Received By:

Temp (°C): n/a Work Order #: 1010610

Condition: good

Custody Seals Intact?: Yes ____ No ____ None Y

Shipped Via: R.P. (MAI carrier)

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1010610 **ClientCode: GSET**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Trent Ripley
Greenstar Environmental
354 McDonnell Street, Suite 9
Lewisville, TX 75057
(214) 222-8752 FAX (214) 222.876

Email: tdripley@greenstarenvironmental.com
cc:
PO:
ProjectNo: #1379.06; GLI Oakland

Bill to:
Trent Ripley
Greenstar Environmental
354 McDonnell Street, Suite 9
Lewisville, TX 75057

Requested TAT: 5 days

Date Received: **10/21/2010**
Date Printed: **10/25/2010**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1010610-002	SV-2	Soil Vapor	10/20/2010 13:40	☐	A											

Test Legend:

1	TO15_SOIL(UG/M3)	2		3		4		5	
6		7		8		9		10	
11		12							

The following SampID: 002A contains testgroup.

Prepared by: Melissa Valles

Comments: Sample SV-2 taken off hold 10/22/10

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **Greenstar Environmental**

Date and Time Received: **10/21/2010 5:59:15 PM**

Project Name: **#1379.06; GLI Oakland**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **1010610** Matrix Soil Vapor

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Greenstar Environmental 354 McDonnell Street, Suite 9 Lewisville, TX 75057	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/20/10
		Date Received: 10/21/10
	Client Contact: Trent Ripley	Date Reported: 10/28/10
	Client P.O.:	Date Completed: 10/28/10

Work Order: 1010610

December 02, 2010

CASE NARRATIVE REGARDING TO-15 ANALYSIS

TPH(g) by TO15 was reported as an estimate because the TPH(g) was not initially requested therefore, TPH(g) standard was not analyzed along with the sample for calibration verification.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Greenstar Environmental	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/20/10
		Date Received: 10/21/10
354 McDonnell Street, Suite 9	Client Contact: Trent Ripley	Date Extracted: 10/27/10
Lewisville, TX 75057	Client P.O.:	Date Analyzed: 10/27/10

Leak Check Compound*

Extraction method: TO15 Analytical methods: TO15 Work Order: 1010610

Lab ID	Client ID	Matrix	Initial Pressure	Final Pressure	Isopropyl Alcohol	DF	% SS	Comments
002A	SV-2	Soil Vapor	12.98	25.88	ND	1	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	A	psia	psia	10	µg/L
	S	psia	psia	NA	NA

* leak check compound is reported in µg/L.

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

The IPA reference is:

DTSC, Advisory-Active Soil Gas Investigations, January 28, 2003, page 10, section 2.4.2:

"Tracer compounds, such as ...isopropanol..., may be used as leak check compounds, if a detection limit of 10 µg/L or less can be achieved."
This implies that 10 µg/L is the cut off definition for a leak, which equals 10,000 µg/m³.
The other low IPA hits may be due to extremely small leaks or may be naturally occuring in soil gas, particularly at biologically active sites.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

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Greenstar Environmental	Client Project ID: #1379.06; GLI Oakland	Date Sampled: 10/20/10
		Date Received: 10/21/10
354 McDonnell Street, Suite 9	Client Contact: Trent Ripley	Date Extracted: 10/27/10
Lewisville, TX 75057	Client P.O.:	Date Analyzed: 10/27/10

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 1010610

Lab ID	1010610-002A	Initial Pressure (psia)	12.98
Client ID	SV-2	Final Pressure (psia)	25.88
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
TPH(g)	~8700	1.0	1800	Acetone	ND	1.0	120
Acrylonitrile	ND	1.0	4.4	tert-Amyl methyl ether (TAME)	ND	1.0	8.5
Benzene	32	1.0	6.5	Benzyl chloride	ND	1.0	11
Bromodichloromethane	ND	1.0	14	Bromoform	ND	1.0	21
Bromomethane	ND	1.0	7.9	1,3-Butadiene	ND	1.0	4.5
2-Butanone (MEK)	ND	1.0	150	t-Butyl alcohol (TBA)	ND	1.0	62
Carbon Disulfide	ND	1.0	6.3	Carbon Tetrachloride	ND	1.0	13
Chlorobenzene	ND	1.0	9.4	Chloroethane	ND	1.0	5.4
Chloroform	ND	1.0	9.9	Chloromethane	ND	1.0	4.2
Cyclohexane	540	1.0	180	Dibromochloromethane	ND	1.0	17
1,2-Dibromo-3-chloropropane	ND	1.0	20	1,2-Dibromoethane (EDB)	ND	1.0	16
1,2-Dichlorobenzene	ND	1.0	12	1,3-Dichlorobenzene	ND	1.0	12
1,4-Dichlorobenzene	ND	1.0	12	Dichlorodifluoromethane	ND	1.0	10
1,1-Dichloroethane	ND	1.0	8.2	1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2
1,1-Dichloroethene	ND	1.0	8.1	cis-1,2-Dichloroethene	ND	1.0	8.1
trans-1,2-Dichloroethene	ND	1.0	8.1	1,2-Dichloropropane	ND	1.0	9.4
cis-1,3-Dichloropropene	ND	1.0	9.2	trans-1,3-Dichloropropene	ND	1.0	9.2
1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14	Diisopropyl ether (DIPE)	ND	1.0	8.5
1,4-Dioxane	ND	1.0	7.3	Ethanol	ND	1.0	96
Ethyl acetate	ND	1.0	7.3	Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5
Ethylbenzene	ND	1.0	8.8	4-Ethyltoluene	ND	1.0	10
Freon 113	ND	1.0	16	Heptane	ND	1.0	210
Hexachlorobutadiene	ND	1.0	22	Hexane	200	1.0	180
2-Hexanone	ND	1.0	210	4-Methyl-2-pentanone (MIBK)	71	1.0	8.3
Methyl-t-butyl ether (MTBE)	ND	1.0	7.3	Methylene chloride	ND	1.0	7.1
Naphthalene	ND	1.0	11	Propene	ND	1.0	88
Styrene	ND	1.0	8.6	1,1,1,2-Tetrachloroethane	ND	1.0	14
1,1,2,2-Tetrachloroethane	ND	1.0	14	Tetrachloroethene	ND	1.0	14
Tetrahydrofuran	ND	1.0	6.0	Toluene	ND	1.0	7.7
1,2,4-Trichlorobenzene	ND	1.0	15	1,1,1-Trichloroethane	ND	1.0	11
1,1,2-Trichloroethane	ND	1.0	11	Trichloroethene	ND	1.0	11
Trichlorofluoromethane	ND	1.0	11	1,2,4-Trimethylbenzene	13	1.0	10
1,3,5-Trimethylbenzene	ND	1.0	10	Vinyl Acetate	ND	1.0	180
Vinyl Chloride	ND	1.0	5.2	Xylenes	ND	1.0	27

Surrogate Recoveries (%)

%SS1:	124	%SS2:	113
%SS3:	125		

Comments:

*vapor samples are reported in µg/m³.

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

surrogate diluted out of range or surrogate coelutes with another peak.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Air/Soil Vapor QC Matrix: Soil Vapor BatchID: 54005 WorkOrder 1010610

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/m³	µg/m³	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Acrylonitrile	N/A	55.2	N/A	N/A	N/A	89.2	96.1	7.40	N/A	N/A	70 - 130	30
tert-Amyl methyl ether (TAME)	N/A	106.2	N/A	N/A	N/A	97.6	102	4.35	N/A	N/A	70 - 130	30
Benzene	N/A	81.2	N/A	N/A	N/A	100	108	7.55	N/A	N/A	70 - 130	30
Benzyl chloride	N/A	131.6	N/A	N/A	N/A	122	126	3.44	N/A	N/A	70 - 130	30
Bromodichloromethane	N/A	175.5	N/A	N/A	N/A	112	117	4.40	N/A	N/A	70 - 130	30
Bromoform	N/A	262.7	N/A	N/A	N/A	122	124	1.63	N/A	N/A	70 - 130	30
1,3-Butadiene	N/A	56.2	N/A	N/A	N/A	95.5	72.4	27.5	N/A	N/A	70 - 130	30
Carbon Disulfide	N/A	79.1	N/A	N/A	N/A	97.2	106	8.65	N/A	N/A	70 - 130	30
Carbon Tetrachloride	N/A	159.9	N/A	N/A	N/A	116	122	4.52	N/A	N/A	70 - 130	30
Chlorobenzene	N/A	117	N/A	N/A	N/A	108	113	4.44	N/A	N/A	70 - 130	30
Chloroethane	N/A	67.1	N/A	N/A	N/A	112	128	12.8	N/A	N/A	70 - 130	30
Chloroform	N/A	124.1	N/A	N/A	N/A	94.8	101	5.92	N/A	N/A	70 - 130	30
Chloromethane	N/A	52.5	N/A	N/A	N/A	117	126	7.99	N/A	N/A	70 - 130	30
Dibromochloromethane	N/A	216.5	N/A	N/A	N/A	122	126	2.47	N/A	N/A	70 - 130	30
1,2-Dibromo-3-chloropropane	N/A	245.6	N/A	N/A	N/A	105	105	0	N/A	N/A	70 - 130	30
1,2-Dibromoethane (EDB)	N/A	195.3	N/A	N/A	N/A	112	116	3.45	N/A	N/A	70 - 130	30
1,3-Dichlorobenzene	N/A	152.8	N/A	N/A	N/A	112	115	3.05	N/A	N/A	70 - 130	30
1,4-Dichlorobenzene	N/A	152.8	N/A	N/A	N/A	102	105	2.94	N/A	N/A	70 - 130	30
Dichlorodifluoromethane	N/A	125.7	N/A	N/A	N/A	98.6	104	5.64	N/A	N/A	70 - 130	30
1,1-Dichloroethane	N/A	102.9	N/A	N/A	N/A	94.9	103	8.01	N/A	N/A	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	N/A	102.9	N/A	N/A	N/A	98.6	105	5.87	N/A	N/A	70 - 130	30
cis-1,2-Dichloroethene	N/A	100.8	N/A	N/A	N/A	104	107	3.21	N/A	N/A	70 - 130	30
trans-1,2-Dichloroethene	N/A	100.8	N/A	N/A	N/A	103	108	4.66	N/A	N/A	70 - 130	30
1,2-Dichloropropane	N/A	117.5	N/A	N/A	N/A	94.7	100	5.60	N/A	N/A	70 - 130	30
cis-1,3-Dichloropropene	N/A	115.3	N/A	N/A	N/A	104	109	4.91	N/A	N/A	70 - 130	30
trans-1,3-Dichloropropene	N/A	115.3	N/A	N/A	N/A	129	128	0.695	N/A	N/A	70 - 130	30
1,2-Dichloro-1,1,2,2-tetrafluoroetha	N/A	177.7	N/A	N/A	N/A	97.1	108	10.2	N/A	N/A	70 - 130	30
Diisopropyl ether (DIPE)	N/A	106.2	N/A	N/A	N/A	92	99.2	7.57	N/A	N/A	70 - 130	30
1,4-Dioxane	N/A	91.6	N/A	N/A	N/A	104	110	5.21	N/A	N/A	70 - 130	30
Ethyl acetate	N/A	91.6	N/A	N/A	N/A	95.2	101	6.27	N/A	N/A	70 - 130	30
Ethyl tert-butyl ether (ETBE)	N/A	106.2	N/A	N/A	N/A	92.2	98.1	6.22	N/A	N/A	70 - 130	30

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% 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.

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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

CC for _____ QA/QC Officer

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Air/Soil Vapor QC Matrix: Soil Vapor BatchID: 54005 WorkOrder 1010610

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/m³	µg/m³	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Ethylbenzene	N/A	110.4	N/A	N/A	N/A	110	114	3.94	N/A	N/A	70 - 130	30
4-Ethyltoluene	N/A	124.9	N/A	N/A	N/A	125	126	0.852	N/A	N/A	70 - 130	30
Freon 113	N/A	194.8	N/A	N/A	N/A	104	111	5.91	N/A	N/A	70 - 130	30
Hexachlorobutadiene	N/A	271	N/A	N/A	N/A	121	106	13.3	N/A	N/A	70 - 130	30
4-Methyl-2-pentanone (MIBK)	N/A	104.1	N/A	N/A	N/A	99.2	105	5.48	N/A	N/A	70 - 130	30
Methyl-t-butyl ether (MTBE)	N/A	91.6	N/A	N/A	N/A	101	106	4.63	N/A	N/A	70 - 130	30
Methylene chloride	N/A	88.2	N/A	N/A	N/A	99.7	106	5.73	N/A	N/A	70 - 130	30
Naphthalene	N/A	133.2	N/A	N/A	N/A	117	105	10.8	N/A	N/A	70 - 130	30
Styrene	N/A	108.3	N/A	N/A	N/A	123	127	3.62	N/A	N/A	70 - 130	30
1,1,1,2-Tetrachloroethane	N/A	174.5	N/A	N/A	N/A	102	104	2.30	N/A	N/A	70 - 130	30
1,1,2,2-Tetrachloroethane	N/A	174.5	N/A	N/A	N/A	102	106	4.11	N/A	N/A	70 - 130	30
Tetrachloroethene	N/A	172.4	N/A	N/A	N/A	108	110	2.15	N/A	N/A	70 - 130	30
Tetrahydrofuran	N/A	75	N/A	N/A	N/A	96.9	106	8.89	N/A	N/A	70 - 130	30
Toluene	N/A	95.8	N/A	N/A	N/A	106	111	4.10	N/A	N/A	70 - 130	30
1,2,4-Trichlorobenzene	N/A	188.6	N/A	N/A	N/A	119	109	9.31	N/A	N/A	70 - 130	30
1,1,1-Trichloroethane	N/A	138.7	N/A	N/A	N/A	100	105	4.12	N/A	N/A	70 - 130	30
1,1,2-Trichloroethane	N/A	138.7	N/A	N/A	N/A	107	110	2.66	N/A	N/A	70 - 130	30
Trichloroethene	N/A	136.6	N/A	N/A	N/A	110	112	2.41	N/A	N/A	70 - 130	30
Trichlorofluoromethane	N/A	142.8	N/A	N/A	N/A	122	129	6.14	N/A	N/A	70 - 130	30
1,2,4-Trimethylbenzene	N/A	124.9	N/A	N/A	N/A	108	110	2.49	N/A	N/A	70 - 130	30
1,3,5-Trimethylbenzene	N/A	124.9	N/A	N/A	N/A	104	111	6.53	N/A	N/A	70 - 130	30
Vinyl Chloride	N/A	65	N/A	N/A	N/A	114	90	23.4	N/A	N/A	70 - 130	30
Xylenes	N/A	331	N/A	N/A	N/A	109	113	3.94	N/A	N/A	70 - 130	30
%SS1:	N/A	500	N/A	N/A	N/A	104	105	1.14	N/A	N/A	70 - 130	30
%SS2:	N/A	500	N/A	N/A	N/A	120	119	0.686	N/A	N/A	70 - 130	30
%SS3:	N/A	500	N/A	N/A	N/A	118	118	0	N/A	N/A	70 - 130	30

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.

% 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.

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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Air/Soil Vapor QC Matrix: Soil Vapor BatchID: 54005 WorkOrder 1010610

EPA Method TO15	Extraction TO15							Spiked Sample ID: N/A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/m³	µg/m³	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD

BATCH 54005 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010610-002A	10/20/10 1:40 PM	10/27/10	10/27/10 10:03 PM	1010610-002A	10/20/10 1:40 PM	10/27/10	10/27/10 10:03 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% 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.

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.

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