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GREEN STAR ENVIRONMENTAL

GROUNDWATER MONITORING REPORT
OAKLAND BUS TERMINAL
2103 SAN PABLO AVENUE
OAKLAND, CALIFORNIA 94608

Green Star Environmental Report No. 15-1379

Report Prepared For:

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

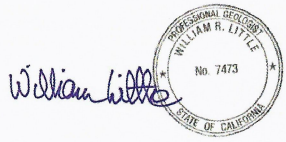
April 6, 2015

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 Groundwater Monitoring Event Report, dated April 6, 2015 has been prepared and the related activities were conducted in accordance with the required standards.

16 April 2015

DATE



William Little, P.G.
California P.G. # 7473
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 91776

Report Prepared By:

Green Star Environmental
354 McDonnell Street, Suite 9
Lewisville, TX 75057

Terrance Harriman
Project Manager

Leonard C. Albright, R.E.M.
Principal

Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached Groundwater Monitoring Event Report dated April 6, 2015 are true and correct to the best of my knowledge.

4-14-15
DATE

Susan Kirkpatrick
Senior Environmental Project & Program Manager
FirstGroup America, Inc.
600 Vine Street
Cincinnati, OH 45202

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Oakland, California

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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 Greyhound Lines Terminal located at 2103 San Pablo Avenue, Oakland, California ("Site"; Fuel Leak Case No. RO0000074 and Geotracker Global ID T0600100666). In accordance with a letter from Alameda County Environmental Health (ACEH) dated January 20, 2015, a groundwater monitoring event was conducted at the Site in March 2015 to document groundwater impacts related to the project. This report documents the details related to the groundwater monitoring 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 2b and 3b 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. Site details are 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 using total fluids recovery pumps in four, four-inch diameter monitoring 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 monitoring well ES-1.

On April 8, 2009, the elevation and latitude and longitude of the well network were surveyed 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 used 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). Current shallow groundwater data is detailed below in Section 2.1.

2.0 GROUNDWATER MONITORING AND ANALYSIS

A groundwater monitoring event using the network of 13 monitoring wells at the Site was conducted in March 2015. Historically, the monitoring well network at the Site has been comprised of 14 monitoring wells, but, in September 2008, monitoring well ES-10 was found to have been covered by pavement comprising Castro Street. Monitoring well BC-2 was not sampled due its close proximity to monitoring well BC-3. Green Star obtained the necessary traffic control permits from the City of Oakland to access monitoring wells ES-8 and ES-9, which are located in Castro Street.

2.1 Groundwater Level Monitoring

Total depths, depths to groundwater, and the potential presence of phase-separated hydrocarbons (PSH) were measured in each monitoring well using a Solonist® interface probe on March 12 and 13, 2015. Table 2a presents a summary of groundwater gauging data from the March 2015 event while Table 2b presents a cumulative summary of groundwater gauging data. Copies of the groundwater sampling records documenting the gauging data from the event are presented as Appendix C.

PSH was not detected in March 2015 and has not been detected since October 1997. Groundwater elevations in the monitoring wells gauged ranged from 8.19 feet above msl in monitoring well ES-8 to 7.87 feet above msl in monitoring well ES-7. The calculated hydraulic gradient was approximately 0.003 ft/ft. The groundwater flow direction was radial in all directions from in the vicinity of monitoring wells ES-6 and ES-8. The groundwater gradient in March 2015 is presented as Figure 3. Cumulative graphs of groundwater elevations and PSH thicknesses are presented as Appendix B.

2.2 Groundwater Sample Collection

Groundwater samples were collected by low-flow methods with a peristaltic pump and polyethylene discharge tubing dedicated to each monitoring well. During the previous sampling event in August 2014, monitoring well ES-1 could not be accessed, purged, or sampled and therefore had not been monitored since December 2011. Due to the extended period of time between sampling events, an initial purge of groundwater was extracted from monitoring well ES-1 for a period of ten minutes. All remaining monitoring wells were accessible during the previous August 2014 monitoring event and were purged during the March 2015 per standard low-flow sampling procedure. Groundwater chemistry parameters (temperature, pH, oxidation-reduction potential, and specific conductance) were monitored during purging activities in order to confirm that the collected groundwater samples were representative of the surrounding aquifer using a YSI 556 parameter meter and flow through cell. The purging process continued until parameters stabilized for three consecutive readings to within EPA specified margins. The acceptable ranges are $\pm$ 0.1 standard units for pH, $\pm$ 3% for conductivity, and $\pm$ 10 mV for oxidation-reduction potential.

Groundwater samples were collected from 12 monitoring wells (BC-1, BC-3, ES-1 through ES-9, and ES-11). BC-2 was not sampled due to its close proximity to BC-3. Each well was sampled for total petroleum hydrocarbons-gasoline, diesel, and oil ranges (TPH-g, TPH-d, and TPH-o respectively), benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), tert-amyl methyl ether (TAME), diisopropyl ether (DIPE), 1,2-dichloroethane (EDC), 1,2-dibromoethane (EDB), tertiary butyl alcohol (TBA), and ethanol.

The collected groundwater samples were transferred into laboratory-provided 40-milliter (mL) glass vials. A laboratory prepared trip blank of distilled water in 40-mL vials was included with the ice chest and transported to the laboratory with the samples. The collected groundwater samples were labeled, stored in ice-cooled chests, and logged on the appropriate chain-of-custody form.

2.3 Analytical Methodology

Collected groundwater samples were analyzed for TPH-g, TPH-d, and TPH-o via EPA Method 8015 modified as well as for BTEX, naphthalene, MTBE, ETBE, TAME, DIPE, EDC, EDB, TBA, and ethanol via EPA Method 8260 at McCampbell Analytical, Inc. in Pittsburg, California, a California certified laboratory. Analytical reports for the event are presented in Appendix A.

2.4 Groundwater Analytical Results

Analytes have been differentiated into three groups for discussion purposes: BTEX, TPH, and miscellaneous petroleum hydrocarbons (naphthalene, MTBE, ETBE, TAME, DIPE EDC, EDB, TBA and ethanol). Table 3a presents a summary of groundwater analytical data from the March 2015 event while Table 3b presents a cumulative summary of groundwater analytical data.

2.4.1 BTEX Constituents

Analytical results from the groundwater event indicated concentrations of at least one dissolved-phase BTEX constituent were present in all 12 monitoring wells sampled. Benzene was detected at a concentration that exceeded the San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) for non-drinking water resources in four monitoring wells (ES-1 through ES-3, and ES-5) and at a maximum concentration of 740 µg/L in the sample collected from monitoring well ES-2. Ethylbenzene, and Xylenes were detected at concentrations that exceeded their respective RWQCB ESL for non-drinking water resources in the samples collected from monitoring wells ES-3 and ES-5. Maximum Ethylbenzene and Xylene concentrations were 130 µg/L and 160 µg/L respectively in the sample collected from monitoring well ES-5. Toluene, was not detected above RWQCB ESL for non-drinking water in any of the sampled wells. Dissolved-phase benzene in groundwater is illustrated as Figure 4.

2.4.2 TPH Constituents

Analytical results from the groundwater event indicated concentrations of at least one dissolved-phase TPH constituent were present in in all 12 monitoring wells sampled. TPH-g was detected at a concentration that exceeded the RWQCB ESL for non-drinking water resources in six monitoring wells (BC-1, ES-1, ES-2, ES-3, ES-5, and ES-8) and at a maximum concentration of 7,100 µg/L in the sample collected from monitoring well ES-2. TPH-d was detected at a concentration that exceeded the RWQCB ESL for non-drinking water resources in four monitoring wells (ES-1, ES-2, ES-3, and ES-5) and at a maximum concentration of 830 µg/L in the sample collected from monitoring well ES-2. TPH-o was detected above laboratory detection limits in five monitoring wells (ES-2, ES-4, ES-5, ES-6, and ES-9), but did not exceed the RWQCB ESL for non-drinking water resources. Concentrations of dissolved-phase TPH-g and TPH-d in groundwater are illustrated as Figures 5 and 6, respectively.

2.4.3 Miscellaneous Petroleum Hydrocarbons

The only miscellaneous petroleum hydrocarbons detected above laboratory detection limits were naphthalene, EDC and DIPE. Naphthalene was detected in three monitoring wells (ES-1, ES-3 and ES-5) and exceeded the RWQCB ESL for non-drinking water resources in two monitoring wells (ES-3 and ES-5) at a maximum concentration of 53 µg/L in the sample collected from monitoring well ES-5. DIPE was detected in eight monitoring wells (BC-1, ES-1 through ES-5, ES-8, and ES-9) and at a maximum concentration of 77 µg/L in the sample collected from monitoring well ES-2. EDC was detected in six monitoring wells (ES-1 to ES-5 and ES-8) at a maximum concentration of 6.6 µg/L in the sample collected from monitoring well ES-5. Concentrations of DIPE and EDC did not exceed their respective RWQCB ESLs for non-drinking water resources. MTBE, ETBE, TAME, EDB, TBA and ethanol were not detected above laboratory detection limits.

2.5 Equipment Decontamination Procedures

Non-disposable or non-dedicated downhole equipment was decontaminated before and after each use with a solution of Alconox™ soap and distilled water and then rinsed with distilled water. Polyethylene tubing dedicated to each monitoring well was used to purge and sample the monitoring wells.

2.6 Field-Derived Waste

Purged groundwater and decontamination fluids were containerized in appropriately labeled, DOT-approved, 55-gallon drums pending off site disposal.

3.0 SUMMARY AND CONCLUSIONS

This Groundwater Monitoring Report documents groundwater monitoring activities conducted in March 2015. 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 using total fluids recovery pumps in four, four-inch diameter monitoriing 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 monitoring well ES-1.

- Currently, the monitoring well network at the Site is comprised of 13 monitoring wells. In March 2015, total depths, depths to groundwater, and the presence of PSH were measured in each monitoring well. Ten monitoring wells were sampled for BTEX, TPH and miscellaneous petroleum hydrocarbons. BC-2 was not sampled due to its close proximity to BC-3.

- PSH was not detected in March 2015 and has not been detected since October 1997. Groundwater elevations in the monitoring wells gauged ranged from 8.19 feet above msl in monitoring well ES-8 to 7.87 feet above msl in monitoring well ES-7. The calculated hydraulic gradient was approximately 0.03 ft/ft. The groundwater flow direction was radial in all directions from in the vicinity of monitoring wells ES-6 and ES-8.

- Analytical results from the groundwater event indicated concentrations of BTEX, TPH-g, TPH-d, and naphthalene were detected above their respective San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) for non-drinking water resources. Benzene was detected at a maximum concentration of 740 µg/L in the sample collected from monitoring well ES-2. Ethylbenzene, and Xylenes were detected at maximum concentrations of 130 µg/L and 160 µg/L respectively in the sample collected from monitoring well ES-5. Naphthalene was detected at a maximum concentration of 53 µg/L in the sample collected from monitoring well ES-5. TPH-g was detected at a maximum concentration of 7,100 µg/L in the sample collected from monitoring well ES-2. TPH-d was detected at a maximum concentration of 830 µg/L in the sample collected from monitoring wells ES-2. EDC was detected at a maximum concentration of 6.6 µg/L in the sample collected from monitoring well ES-5. Concentrations of DIPE and EDC did not exceed their respective RWQCB ESLs for non-drinking water resources. TPH-o, MTBE, ETBE, TAME, EDB, TBA, and ethanol were not detected above laboratory detection limits and any of the monitoring wells that were sampled.

4.0 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.

TABLES

Table 1 - Summary of Previous Reports
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 14-1379

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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2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 14-1379

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.

Table 1 - Summary of Previous Reports
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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.

Table 1 - Summary of Previous Reports
Oakland Bus Terminal
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Green Star Project No. 14-1379

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.

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Oakland Bus Terminal
2103 San Pablo Avenue
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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 Cal EPA 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 California EPA ESLs. The majority of groundwater impacts remained on-site.
65	7/1/2009	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 April 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 California EPA 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 California EPA 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 California EPA ESLs. The majority of groundwater impacts remained on-site.
69	7/6/2011	Report	Groundwater Monitoring Report	Green Star Environmental	A groundwater monitoring event was performed in February 2011 utilizing 13 wells. PSH was not detected. Benzene, toluene, ethylbenzene, xylenes, naphthalene, and EDC exceeded RWQCB ESLs. TPH-g, TPH-d, and TPH-o exceeded California EPA ESLs. The majority of groundwater impacts remained on-site.

Table 1 - Summary of Previous Reports
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 14-1379

Reference No.	Document Date	Type	Title	Author	Description
70	7/6/2011	Report	Site Investigation and Soil Gas Survey Report	Green Star Environmental	In October 2010, 12 soil borings were advanced to evaluate subsurface conditions in the area of the former tankpit and 4 direct-push soil borings were used to collect soil vapor samples. None of the soil samples exceeded the RWQCB ESL for shallow soils, however, benzene, ethylbenzene, xylenes, TPH-g, and TPH-d exceeded the RWQCB ESL for deep soils. Of the detected chemical constituents in the collected soil vapor sample, RWQCB ESLs for shallow soils were established only for benzene and TPH-g, and neither were exceeded in the sample.
71	12/21/2011	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.
72	2/13/2012	Report	Groundwater Monitoring Report	Green Star Environmental	A groundwater monitoring event was performed in December, 2011 utilizing 12 wells. PSH was not detected. Analytical results indicated that benzene, ethylbenzene, xylenes, naphthalene, and TPH (TPH-g and TPH-d) were detected above the non-ingestion-specific RWQCB ESL for each constituent.
73	2/10/2015	Report	Groundwater Monitoring Report	Green Star Environmental	A groundwater monitoring event was performed in 2014 utilizing 12 wells. PSH was not detected. Benzene, ethylbenzene, xylenes, and naphthalene exceeded RWQCB ESLs. TPH-g, TPH-d exceeded California EPA ESLs. The majority of groundwater impacts remained on-site.

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

Table 2a - Summary of Groundwater Level Measurements (March 2015)
Oakland Bus Terminal
2103 San Pable Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

Well	Date	Screened Interval (feet bgs)	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	03/12/15	unknown	24.41	--	16.37	--	29.65	8.04
BC-2[2]	03/12/15	unknown	24.37	--	16.39	--	19.93	na
BC-3[2]	03/12/15	unknown	24.42	--	16.42	--	20.08	na
ES-1	03/12/15	10.5-30.5	24.11	--	16.13	--	30.18	7.98
ES-2	03/12/15	10.5-30.5	24.66	--	16.64	--	30.24	8.02
ES-3	03/12/15	15-35	24.93	--	16.96	--	31.49	7.97
ES-4	03/12/15	10.5-30.5	23.93	--	15.90	--	28.49	8.03
ES-5	03/12/15	10.5-30.5	24.08	--	16.12	--	30.19	7.96
ES-6	03/12/15	15-35	27.06	--	18.95	--	35.04	8.11
ES-7	03/12/15	15-35	25.66	--	17.79	--	33.28	7.87
ES-8	03/12/15	15-35	24.74	--	16.55	--	29.22	8.19
ES-9	03/12/15	15-35	23.33	--	15.41	--	34.99	7.92
ES-10[3]	03/12/15	15-35	nm	nm	nm	nm	nm	nm
ES-11	03/12/15	15-36	24.08	--	16.03	--	35.05	8.05

nm = not measured na = not applicable -- = 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 wells ES-10 has been paved over and is not accessible.

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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
BC-1	02/08/11	24.41	--	15.88	--	29.56	8.53
BC-1	12/13/11	24.41	--	16.61	--	29.70	7.80
BC-1	08/04/14	24.41	--	17.20	--	29.71	7.21
BC-1	03/12/15	24.41	--	16.37	--	29.65	8.04

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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]
BC-2	02/08/11	24.37	--	15.55	--	19.85	nd[2]
BC-2	12/13/11	24.37	--	16.56	--	20.02	nd[2]
BC-2	08/04/14	24.37	--	17.12	--	20.16	nd[2]
BC-2	03/12/15	24.37	--	16.39	--	19.93	nd[2]

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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-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]
BC-3	02/08/11	24.42	--	15.92	--	20.15	nd[2]
BC-3	12/13/11	24.42	--	16.59	--	20.23	nd[2]
BC-3	08/04/14	24.42	--	17.22	--	20.20	nd[2]
BC-3	03/12/15	24.42	--	16.42	--	20.08	nd[2]

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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	06/16/92	24.11	20.18	23.78	3.60	nm	3.25
ES-1	07/07/92	24.11	--	18.60	--	nm	5.51
ES-1	08/04/92	24.11	18.80	18.81	0.01	nm	5.31
ES-1	08/31/92	24.11	18.96	18.97	0.01	nm	5.15
ES-1	10/06/92	24.11	19.08	19.10	0.02	nm	5.03
ES-1	11/06/92	24.11	18.52	18.53	0.01	nm	5.59
ES-1	01/07/93	24.11	20.27	20.26	0.01	nm	3.86
ES-1	04/06/93	24.11	--	17.88	--	nm	6.23
ES-1	07/03/93	24.11	--	18.68	--	nm	5.43
ES-1	08/04/93	24.11	--	18.85	--	nm	5.26
ES-1	09/01/93	24.11	--	18.90	--	nm	5.21
ES-1	10/07/93	24.11	19.04	19.03	0.01	nm	5.09
ES-1	11/02/93	24.11	--	19.20	--	nm	4.91
ES-1	12/06/93	24.11	--	19.15	--	nm	4.96
ES-1	01/05/94	24.11	--	18.96	--	nm	5.15
ES-1	02/02/94	24.11	--	18.92	--	nm	5.19
ES-1	05/05/94	24.11	17.91	18.08	0.17	nm	6.17
ES-1	06/07/94	24.11	18.50	18.68	0.18	nm	5.58
ES-1	07/13/94	24.11	17.88	18.02	0.14	nm	6.20
ES-1	08/03/94	24.11	18.04	18.21	0.17	nm	6.04
ES-1	09/14/94	24.11	18.66	18.64	0.02	nm	5.49
ES-1	10/06/94	24.11	18.39	18.43	0.04	nm	5.71
ES-1	11/02/94	24.11	--	18.39	--	nm	5.72
ES-1	12/07/94	24.11	--	17.70	--	nm	6.41
ES-1	01/13/95	24.11	18.39	18.43	0.04	nm	5.71
ES-1	02/14/95	24.11	16.44	16.45	0.01	nm	7.67
ES-1	03/07/95	24.11	--	16.74	--	nm	7.37
ES-1	04/11/95	24.11	--	16.25	--	nm	7.86
ES-1	05/09/95	24.11	--	16.66	--	nm	7.45
ES-1	06/09/95	24.11	17.15	17.16	0.01	nm	6.96
ES-1	07/06/95	24.11	--	17.28	--	nm	6.83
ES-1	08/10/95	24.11	17.60	17.61	0.01	nm	6.51
ES-1	09/07/95	24.11	--	17.79	--	nm	6.32
ES-1	10/05/95	24.11	--	18.01	--	nm	6.10
ES-1	01/03/96	24.11	--	18.04	--	nm	6.07
ES-1	04/09/96	24.11	--	17.40	--	nm	6.71
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-1	02/08/11	24.11	--	15.59	--	30.11	8.52
ES-1	12/13/11	24.11	--	16.38	--	30.19	7.73
ES-1	08/04/14	24.11	nm	nm	nm	nm	nm
ES-1	03/12/15	24.11	--	16.13	--	30.18	7.98

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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	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
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-2	02/08/11	24.66	--	16.12	--	30.15	8.54
ES-2	12/13/11	24.66	--	16.91	--	30.29	7.75
ES-2	08/04/14	24.66	--	17.39	--	30.24	7.27
ES-2	03/12/15	24.66	--	16.64	--	30.24	8.02

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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-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
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-3	02/08/11	24.93	--	16.41	--	31.45	8.52
ES-3	12/13/11	24.93	--	17.11	--	31.46	7.82
ES-3	08/04/14	24.93	--	17.80	--	31.72	7.13
ES-3	03/12/15	24.93	--	16.96	--	31.49	7.97

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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-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
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-4	02/08/11	23.93	--	15.38	--	29.65	8.55
ES-4	12/13/11	23.93	--	16.19	--	30.05	7.74
ES-4	08/04/14	23.93	--	16.68	--	30.00	7.25
ES-4	03/12/15	23.93	--	15.90	--	28.49	8.03

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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-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
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-5	02/08/11	24.08	--	15.55	--	30.05	8.53
ES-5	12/13/11	24.08	--	16.33	--	30.16	7.75
ES-5	08/04/14	24.08	--	15.83	--	30.31	8.25
ES-5	03/12/15	24.08	--	16.12	--	30.19	7.96

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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	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
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-6	02/08/11	27.06	--	18.37	--	34.93	8.69
ES-6	12/13/11	27.06	--	19.18	--	39.19	7.88
ES-6	08/04/14	27.06	--	19.64	--	35.11	7.42
ES-6	03/12/15	27.06	--	18.95	--	35.04	8.11

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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-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
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-7	02/08/11	25.66	--	17.18	--	31.33	8.48
ES-7	12/13/11	25.66	--	17.91	--	33.55	7.75
ES-7	08/04/14	25.66	--	17.10	--	31.61	8.56
ES-7	03/12/15	25.66	--	17.79	--	33.28	7.87

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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-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
ES-8	02/08/11	24.74	--	16.01	--	29.11	8.73
ES-8	12/13/11	24.74	--	16.79	--	29.32	7.95
ES-8	08/06/14	24.74	--	17.09	--	29.30	7.65
ES-8	03/12/15	24.74	--	16.55	--	29.22	8.19

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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-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
ES-9	02/08/11	23.33	--	14.89	--	34.84	8.44
ES-9	12/13/11	23.33	--	15.69	--	34.95	7.64
ES-9	08/06/14	23.33	--	16.05	--	34.90	7.28
ES-9	03/12/15	23.33	--	15.41	--	34.99	7.92

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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-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
ES-10[3]	02/08/11	nm	nm	nm	nm	nm	nm
ES-10[3]	12/13/11	nm	nm	nm	nm	nm	nm
ES-10[3]	08/04/14	nm	nm	nm	nm	nm	nm
ES-10[3]	03/12/15	nm	nm	nm	nm	nm	nm

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 14-1379

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-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
ES-11	02/08/11	24.08	--	15.51	--	34.94	8.57
ES-11	12/13/11	24.08	--	16.34	--	35.14	7.74
ES-11	08/04/14	24.08	--	16.60	--	35.10	7.48
ES-11	03/12/15	24.08	--	16.03	--	35.05	8.05

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 3a - Summary of Groundwater Analytical Results (March 2015)
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 14-1379

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Naphthalene	MTBE	ETBE	TAME	DIPE	EDB	EDC *	TBA	Ethanol	TPH-g	TPH-d	TPH-o
BC-1	03/12/15	6.3	0.56J	0.38J	<0.62	7.24	<0.40	<0.25	<0.18	<0.55	73	<0.30	<0.23	<2.4	<78	**540**	180	<65
BC-2	03/12/15	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
BC-3	03/13/15	0.16JB	0.065J	<0.050	<0.25	0.225	<0.16	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<31	22J	<24	<65
ES-1	03/12/15	**120**	14	10	50	194	12	<0.50	<0.35	<1.1	37	<0.60	1.8JB	<4.7	<160	**4000**	**370**	<65
ES-2	03/12/15	**740**	50	15J	63	868	<5.3	<3.3	<2.3	<7.3	77	<4.0	5.9JB	<31	<1000	**7100**	**830**	96J
ES-3	03/12/15	**84**	27	**120**	**110**	341	**40**	<0.50	<0.35	<1.1	21	<0.60	1.7JB	<4.7	<160	**5300**	**630**	<65
ES-4	03/12/15	0.11JB	0.13J	0.056J	<0.25	0.30	<0.16	<0.10	<0.070	<0.22	21	<0.12	0.15JB	<0.94	<31	85	<24	77J
ES-5	03/13/15	**290**	110	**130**	**160**	690	**53**	<1.0	<0.70	<2.2	4.3J	<1.2	6.6	<9.4	<310	**6200**	**750**	91J
ES-6	03/12/15	0.19JB	0.11J	<0.050	<0.25	0.30	<0.16	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<31	16J	<24	74J
ES-7	03/12/15	0.061JB	0.12J	<0.050	<0.25	0.18	<0.16	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<31	15J	<24	<65
ES-8	03/12/15	2.6	0.45J	0.35J	0.39J	3.79	<0.16	<0.10	<0.070	<0.22	30	<0.12	0.15JB	<0.94	<31	**930**	94	<65
ES-9	03/12/15	<0.051	0.13J	<0.050	<0.25	0.13	<0.16	<0.10	<0.070	<0.22	0.84	<0.12	<0.090	<0.94	<31	17J	25J	83J
ES-10	03/12/15	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne
ES-11	03/13/15	0.057JB	0.19J	<0.050	<0.25	0.247	<0.16	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<31	19J	<24	<65
RWQCB ESLs (non-drinking water resource)		**46**	**130**	**43**	**100**	ne	**24**	**1800**	ne	ne	ne	**150**	**200**	**18000**	ne	**210**	**210**	**210**
RWQCB ESLs (potential vapor intrusion concerns.		**1800**	**530000**	**170000**	**160000**	ne	**11000**	**80000**	ne	ne	ne	**510**	**690**	(use soil gas)	ne	(use soil gas)	(use soil gas)	ne

Analytical test results are reported in micrograms per liter (µg/L).
Bolded results indicate detected concentrations exceeded RWQCB ESLs for non-drinking water resource.
* EDC is the abbreviation for 1,2-Dichloroethane (1,2-DCA) presented in the Analytical Report attached as Appendix A.
ne = not established ns = not sampled nt = not tested for that constituent dne = does not exist na = not analyzed <, BDL = below laboratory detection limits
J = reported result is between the MDL and PQL
B = analyte detected in the associated Method Blank and in the sample

Table 3b - Cumulative Summary of Groundwater Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 14-1379

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	**160**	**72**	**35**	**93**	360	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**200**	**640**	nt	nt
	07/15/97	**520**	**130**	**170**	**290**	1110	nt	**100**	nt	nt	nt	nt	nt	nt	nt	**11000**	**95000**	nt	**203**
	10/07/97	**310**	**600**	**370**	**1900**	3180	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**31000**	**484000**	nt	**4340**
	09/25/08	**220**	**22**	**32**	**38**	312	**16**	<0.31	<0.14	**0.26 J**	**82**	**0.39 J**	<0.24	<6	<74	**3700**	**2000**	<290	nt
	04/09/09	**130**	**20**	**17**	**33**	200	**6**	<0.3	<0.14	**0.58 J**	**74**	**0.27 J**	<0.23	<17	<74	**2100**	**3700**	<33	nt
	07/15/09	**200**	**39**	**35**	**58**	332	**14**	<0.32	<0.14	<0.14	**110**	**0.28 J**	<0.23	<17	<74	**3200**	**910**	**150**	nt
	10/07/09	**230**	**34**	**45**	**62**	371	**23**	<0.32	<0.14	<0.14	**60**	<0.17	<0.23	<17	<74	**3700**	**630**	**64**	nt
	07/29/10	**76**	**4.9**	**8.6**	**8.5**	98	**4.8**	<0.83	<0.83	<0.83	nt	<0.83	<0.83	<3.3	<83	**1000**	**290**	<250	nt
	02/09/11	**35**	**2.5**	**2.8**	**4.7**	45	**2.3**	<0.5	<0.5	<0.5	**49**	<0.5	<0.50	<4.0	<100	**420**	**370**	<250	nt
	12/13/11	**120**	**6.9**	**3.2**	**6.8**	136.9	**4.1**	<0.25	<0.25	<0.25	**65**	<0.25	<0.25	**3.7**	<25	**1200**	**300**	<250	nt
	12/13/11	**74**	**7.6**	**10**	**16**	108	**10**	<.50	<0.35	<1.1	**42**	<0.60	<0.45	<4.7	<110	**1200**	**270**	<250	nt
	03/12/15	**6**	**0.56J**	**0.38J**	<0.62	8	<0.40	<0.25	<0.18	<0.55	**73**	<0.30	<0.23	<2.4	<78	**540**	**180**	<65	nt
BC-2	07/08/92	BDL	BDL	BDL	**8**	8	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**2100**	nt	nt
	10/06/92	BDL	**1**	**1**	**7**	9	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/07/93	BDL	**1**	**2**	**10**	13	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	**130**	nt	nt
	07/23/93	**1**	**2**	**2**	**8**	13	nt	nt	nt	nt	nt	nt	nt	nt	nt	<500	**500**	nt	BDL
	10/07/93	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**1400**	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	**1100**	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	**290**	nt	nt
	10/05/95	**1**	BDL	BDL	**1**	2	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**1500**	nt	nt
	04/17/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**50**	nt	nt
	07/15/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**680**	nt	BDL
	10/07/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**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
	02/09/11	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
	12/13/11	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
BC-3	07/08/92	BDL	**2.5**	BDL	**6**	8.5	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**3900**	nt	nt
	10/06/92	BDL	**1.9**	**0.5**	**2**	4.4	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**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	**120**	nt	nt
	07/23/93	**3**	**3.6**	**1.8**	**8**	16.4	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**nt****	nt	nt
	10/07/93	BDL	BDL	**0.1**	**2**	2	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**1400**	nt	nt
	01/05/94	BDL	BDL	BDL	**2**	2	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**1800**	nt	nt
	04/07/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**850**	nt	nt
	07/13/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**200**	nt	nt
	10/06/94	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**820**	nt	nt
	01/13/95	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**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	**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

Table 3b - Cumulative Summary of Groundwater Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 14-1379

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
	07/15/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**490**	nt	BDL
	10/07/97	BDL	BDL	**1.9**	**2**	3.9	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**51**	**1340**	nt	BDL
	09/25/08	<4	**0.6 J**	**0.6 J**	<0.3	1.2	<0.3	<0.31	<0.14	**0.7 J**	<0.36	<0.31	<0.24	<6	<74	<84	<21	**1300**	nt
	04/09/09	**6**	**0.8 J**	**0.8 J**	**1.2 J**	8.8	**5**	<0.3	<0.14	**0.52 J**	**0.43 J**	<0.17	<0.23	<17	<74	<24	**18 J**	**880**	nt
	07/15/09	**4.9 J**	**0.6 J**	**0.3 J**	<0.13	5.8	**0.22 J**	<0.32	<0.14	**0.44 J**	**0.3 J**	<0.17	<0.23	<17	<74	**19 J**	**59**	**170**	nt
	10/07/09	**3**	**0.3 J**	**0.2 J**	**0.4 J**	3.9	**0.2 J**	<0.32	<0.14	<0.14	**0.4 J**	<0.17	<0.23	<17	<74	**25 J**	**58**	**110**	nt
	07/29/10	**1.7**	**0.47 J**	**0.78**	**0.55**	3.5	**0.59**	<0.25	<0.25	<0.25	nt	<0.25	<0.25	<1	<25	<50	<50	<250	nt
	02/09/11	**0.44 J**	**0.69**	**1.3**	**2.2**	4.6	**0.88**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<2	<50	<50	<50	<250	nt
	12/13/11	**2.2**	**0.65**	**0.88**	**1.0**	4.73	**1.5**	<0.25	<0.25	**3.3**	<0.25	<0.25	<0.25	**2.0**	<25	<50	<50	<250	nt
	03/13/15	**0.16JB**	**0.065J**	<0.050	<0.25	0.23	<0.16	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<31	**22J**	<24	<65	nt
ES-1	11/19/91	**130**	**43**	**10**	**91**	274	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	04/17/97	**110**	**18**	**7**	**45**	180	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**100**	BDL	nt	nt
	07/16/97	**76**	**8**	**11**	**25**	120	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**960**	**1200**	nt	**14**
	10/07/97	**49**	**34**	**11**	**23**	117	nt	**14**	nt	nt	nt	nt	nt	nt	nt	**1700**	**2770**	nt	**10**
	09/25/08	**140**	**9**	**14**	**16**	179	**11**	<0.31	<0.14	<0.26	**130**	<0.31	**0.49 J**	<6	<74	**2900**	**2500**	<290	nt
	04/09/09	**260**	**29**	**27**	**49**	365	**25**	<0.32	<0.14	<0.14	**66**	**0.37 J**	**0.47 J**	<17	<74	**2400**	**3600**	<36	nt
	07/15/09	**300**	**63**	**92**	**90**	545	**53**	<0.32	<0.14	**0.23 J**	**100**	**0.38 J**	**0.86 J**	<17	<74	**5000**	**930**	**210**	nt
	10/07/09	**340**	**36**	**44**	**53**	473	**37**	<0.32	<0.14	<0.14	**82**	<0.17	**0.7 J**	<17	<74	**4100**	**610**	**100**	nt
	07/29/10	**630**	**61**	**110**	**120**	921	**95**	<6.2	<6.2	<6.2	nt	<6.2	<6.2	<25	<620	**5200**	**1100**	<250	nt
	02/09/11	**390**	**41**	**52**	**71**	554	**33**	<5	<5	<5	**49**	<5	<5	<40	<1000	**4400**	**810**	<250	nt
	12/13/11	**470**	**46**	**66**	**87**	669	**64**	<0.25	<0.25	<0.25	**59**	<0.25	<0.25	<1.0	<25	**4600**	**790**	<250	nt
	03/12/15	**120**	**14**	**10**	**50**	194	**12**	<0.50	<0.35	<1.1	**37**	<0.60	**1.8JB**	<4.7	<160	**4000**	**370**	<65	nt
ES-2	11/19/91	**390**	**96**	**78**	**310**	874	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	04/17/97	**340**	**110**	**110**	**240**	800	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**3800**	**1800**	nt	nt
	07/15/97	**190**	**140**	**73**	**250**	653	nt	**81**	nt	nt	nt	nt	nt	nt	nt	**3700**	**16000**	nt	**194**
	10/07/97	**190**	**46**	**46**	**70**	352	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**7200**	**8040**	nt	**993**
	09/25/08	**700**	**53**	**29**	**84**	866	**10**	<0.31	<0.14	**0.41 J**	**100**	<0.31	**0.38 J**	<6	<74	**6000**	**1500**	nt	<290
	04/09/09	**690**	**59**	**27 J**	**72**	848	**8 J**	<3.2	<1.4	**5.6 J**	**110**	<1.7	<2.3	<170	<740	**2200**	**7500**	<38	nt
	07/15/09	**700**	**68**	**23**	**94**	885	**1.9 J**	<0.32	<0.14	**0.42 J**	**120**	**0.25 J**	<0.23	<17	<74	**8400**	**1300**	**230**	nt
	10/07/09	**730**	**61**	**30**	**90**	911	**4**	<0.32	<0.14	<0.14	**85**	<0.17	<0.23	<17	<74	**6000**	**1100**	**980**	nt
	07/29/10	**800**	**57**	**15 J**	**78**	950	**11 J**	<8.30	<8.3	<8.3	nt	<8.3	<8.3	<33	<830	**8300**	**1300**	<250	nt
	02/09/11	**1000**	**76**	**20 J**	**110**	1206	<12	<12.0	<12	<12	**99**	<12	<12	<100	<2500	**5500**	**1700**	**500**	nt
	12/13/11	**1100**	**69**	**17**	**84**	1270	<0.25	<0.25	<0.25	<0.25	**95**	<0.25	<0.25	**6.6**	<25	**6900**	**1200**	<250	nt
	08/06/14	**850**	**61**	**14 J**	**87**	1012	<8.0	<5.00	<3.5	<11	**85**	<6.0	<4.5	<47	<1100	**6200**	**1100**	<250	nt
	03/12/15	**740**	**50**	**15J**	**63**	868	<5.3	<3.30	<2.30	<7.30	**77**	<4.0	**5.9JB**	<31	<1000	**7100**	**830**	**96J**	nt
ES-3	11/19/91	**61**	**16**	**14**	**33**	124	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**BDL**	nt	nt
	07/08/92	**51**	**21**	**48**	**34**	154	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**1300**	nt	nt
	10/06/92	**93**	**18**	BDL	**11**	122	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/07/93	**52**	**49**	**100**	**250**	451	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	04/06/93	**53**	BDL	**67**	**78**	198	nt	nt	nt	nt	nt	nt	nt	nt	nt	**4500**	**510**	nt	nt
	07/23/93	**28**	**6**	**5**	**5**	44	nt	nt	nt	nt	nt	nt	nt	nt	nt	**1500**	**600**	nt	nt
	10/07/93	**2**	**1**	BDL	**2**	5	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/05/94	**13**	**2**	**7**	**5**	27	nt	nt	nt	nt	nt	nt	nt	nt	nt	**530**	nt	nt	nt
	04/07/94	**10**	**9**	**26**	**34**	79	nt	nt	nt	nt	nt	nt	nt	nt	nt	**850**	**910**	nt	nt
	07/13/94	**2**	**1**	**1**	**3**	7	nt	nt	nt	nt	nt	nt	nt	nt	nt	**370**	**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	**19**	**15**	**72**	**88**	194	nt	nt	nt	nt	nt	nt	nt	nt	nt	**1600**	**1100**	nt	nt
	04/11/95	**20**	**7**	**36**	**22**	85	nt	nt	nt	nt	nt	nt	nt	nt	nt	**940**	**390**	nt	nt
	07/06/95	**6**	BDL	**7**	BDL	13	nt	nt	nt	nt	nt	nt	nt	nt	nt	**240**	**1200**	nt	nt
	10/05/95	**2**	**2**	BDL	BDL	4	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	**110**	nt	nt
	01/05/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	BDL	nt	nt

Table 3b - Cumulative Summary of Groundwater Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 14-1379

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
	04/09/96	BDL	BDL	BDL	BDL	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**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	**51**	BDL	nt	nt
	04/17/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**120**	nt	nt
	07/15/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**170**	nt	BDL
	10/07/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**205**	nt	BDL
	09/24/08	**230**	**17**	**23**	**48**	318	**28**	<0.31	<0.14	**0.28 J**	**110**	<0.31	**0.78 J**	<6	<74	**3000**	**1400**	<290	nt
	04/09/09	**340**	**91**	**180**	**372**	983	**83**	<1.6	<0.71	<0.68	**96**	<0.86	<1.1	<84	<370	**2600**	**9700**	<3.2	nt
	07/15/09	**230**	**75**	**190**	**413**	908	**110**	<1.6	<0.71	<0.68	**45 J**	<0.86	<1.1	<84	<370	**9400**	**1400**	**280**	nt
	10/07/09	**250**	**28**	**42**	**105**	425	**35**	<0.32	<0.14	<0.14	**100**	<0.17	**0.8 J**	<17	<74	**4700**	**860**	**84**	nt
	07/29/10	**120**	**44**	**200**	**200**	564	**110**	<2.5	<2.5	<2.5	nt	<2.5	<2.5	<10	<250	**5800**	**1200**	<250	nt
	02/09/11	**120**	**74**	**360**	**400**	954	**180**	<2.5	<2.5	<2.5	**180**	<2.5	<2.5	<20	<500	**4300**	**1600**	<250	nt
	12/13/11	**84**	**47**	**120**	**160**	411	**81**	<0.25	<0.25	<0.25	**18**	<0.25	<0.25	**5.4**	<25	**5200**	**1200**	<250	nt
	08/06/14	**290**	**36**	**42**	**55**	423	**31**	<2.0	<1.4	<4.4	**75**	<2.4	<1.8	<19	<440	**4000**	**830**	<250	nt
	03/12/15	**84**	**27**	**120**	**110**	341	**40**	<0.50	<0.35	<1.1	**21**	<0.60	**1.7JB**	<4.7	<160	**5300**	**630**	<65	nt
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	**31**	**6**	BDL	**3**	39	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	10/06/92	**100**	**8**	BDL	**8**	116	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/07/93	**30**	**7**	**8**	**16**	60	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	04/06/93	**33**	**2**	**2**	**5**	42	nt	nt	nt	nt	nt	nt	nt	nt	nt	**360**	BDL	nt	nt
	07/23/93	**24**	**1**	**1**	**8**	34	nt	nt	nt	nt	nt	nt	nt	nt	nt	<500	<500	nt	nt
	10/07/93	**8**	BDL	BDL	**2**	10	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	01/05/94	**15**	**1**	**0.4**	**3**	19	nt	nt	nt	nt	nt	nt	nt	nt	nt	**130**	BDL	nt	nt
	04/07/94	**11**	BDL	BDL	BDL	11	nt	nt	nt	nt	nt	nt	nt	nt	nt	**170**	BDL	nt	nt
	07/13/94	**9**	BDL	BDL	**1**	10	nt	nt	nt	nt	nt	nt	nt	nt	nt	**130**	BDL	nt	nt
	10/06/94	**18**	BDL	**2**	**3**	23	nt	nt	nt	nt	nt	nt	nt	nt	nt	**100**	BDL	nt	nt
	01/13/95	**12**	BDL	BDL	**2**	14	nt	nt	nt	nt	nt	nt	nt	nt	nt	**150**	BDL	nt	nt
	04/11/95	**39**	**4**	**12**	**24**	79	nt	nt	nt	nt	nt	nt	nt	nt	nt	**180**	BDL	nt	nt
	07/06/95	**100**	**10**	**26**	**61**	197	nt	nt	nt	nt	nt	nt	nt	nt	nt	**600**	**160**	nt	nt
	10/05/95	**210**	**16**	**71**	**84**	381	nt	nt	nt	nt	nt	nt	nt	nt	nt	**1200**	**170**	nt	nt
	01/05/96	**34**	BDL	**5**	**4**	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	**120**	BDL	nt	nt
	04/09/96	**57**	**3**	**17**	**19**	96	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	BDL	nt	nt
	07/09/96	**43**	**5**	**21**	**17**	86	nt	nt	nt	nt	nt	nt	nt	nt	nt	**220**	BDL	nt	nt
	10/08/96	**110**	**4**	**42**	**39**	195	nt	nt	nt	nt	nt	nt	nt	nt	nt	**860**	BDL	nt	nt
	01/16/97	**5**	BDL	BDL	**1**	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	**59**	BDL	nt	nt
	04/17/97	**87**	**11**	**49**	**24**	171	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**100**	nt	nt
	07/15/97	**110**	**11**	**42**	**40**	203	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**920**	**370**	nt	**18**
	10/07/97	**11**	BDL	**28**	**23**	16	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**120**	**101**	nt	**24**
	09/25/08	<0.4	<0.3	<0.3	<0.3	BDL	<0.3	<0.31	<0.14	**0.7 J**	**7 J**	<0.31	<0.24	<6	<74	**69**	**91**	nt	<29
	04/09/09	**8**	**0.8 J**	**1.6 J**	**2.5 J**	13	**0.7 J**	<0.30	<0.14	**0.54 J**	**20**	<0.17	<0.23	<17	<74	**640**	**520**	<34	nt
	07/15/09	**8**	**1.7 J**	**4.2 J**	<0.13	14	**1.9 J**	<0.32	<0.14	<0.14	**25**	<0.17	<0.23	<17	<74	**800**	**110**	**45 J**	nt
	10/07/09	**0.2 J**	<0.29	**0.2 J**	**0.5 J**	1	<0.11	<0.32	<0.14	<0.14	**14**	<0.17	<0.23	<17	<74	**310**	**81**	<29	nt
	07/29/10	**0.81**	<0.25	**0.31 J**	**0.58**	2	**0.26 J**	<0.25	<0.25	<0.25	nt	<0.25	<0.25	<1	<25	**250**	**120**	<250	nt
	02/09/11	**1**	**0.58**	**0.49 J**	**0.97**	3	**0.56**	<0.25	<0.25	<0.25	**17**	<0.25	<0.25	<2	<50	**220**	**72**	<250	nt
	12/13/11	**11**	**0.89**	**0.73**	**1.1**	13.72	**0.76**	<0.25	<0.25	**2.2**	**28**	<0.25	<0.25	**3.4**	<25	**270**	**95**	<250	nt
	08/06/14	<0.1	<0.080	<0.10	<0.50	BDL	**0.36 J**	<0.20	<0.14	<0.44	**62**	<0.24	<0.18	<1.9	<44	**200**	<50	<250	nt
	03/12/15	**0.11JB**	**0.13J**	**0.056J**	<0.25	0.30	<0.16	<0.10	<0.070	<0.22	**21**	<0.12	**0.15JB**	<0.94	<31	**85**	<24	**77J**	nt
ES-5	11/19/91	**2100**	**390**	**840**	**6000**	9330	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	**950000**	nt	nt
	04/17/97	**590**	**120**	**180**	**1000**	1890	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**2400**	**1600**	nt	nt
	07/16/97	**810**	**180**	**430**	**1800**	3220	nt	**350**	nt	nt	nt	nt	nt	nt	nt	**27000**	**15000**	nt	**216000**
	10/07/97	**260**	**470**	**160**	**590**	1480	nt	BDL	nt	nt	nt	nt	nt	nt	nt	**15000**	**6510**	nt	**424**

Table 3b - Cumulative Summary of Groundwater Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 14-1379

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
	09/25/08	**970**	**190**	**400**	**350**	1910	**180**	<0.31	<0.14	<0.26	**150**	<0.31	**0.57 J**	<6	<74	**12000**	**1900**	<290	nt
	04/09/09	**590**	**150**	**230**	**248**	1218	**100**	<3.2	<1.4	**5.9 J**	**30 J**	<1.7	<2.3	<170	<740	**3700**	**10000**	<33	nt
	07/15/09	**770**	**220**	**430**	**407**	1827	**180**	<1.6	<0.71	<0.68	**63**	<0.86	<1.1	<84	<370	**16000**	**1300**	**180**	nt
	10/07/09	**710**	**190**	**440**	**373**	1713	**160**	<3.2	<1.4	<1.4	**68**	<1.7	<2.3	<170	<740	**12000**	**1500**	140	nt
	07/29/10	**400**	**120**	**270**	**220**	1010	**160**	<5	<5	<5	nt	<5	<5	<20	<500	**11000**	**1800**	**310**	nt
	02/09/11	**650**	**180**	**400**	**330**	1560	**170**	<8.3	<8.3	<8.3	**17**	<8.3	<8.3	<67	<1700	**9700**	**2200**	<250	nt
	12/13/11	**290**	**93**	**170**	**210**	763	**130**	<0.25	<0.25	<0.25	**2.5**	<0.25	<0.25	<1.0	<25	**6600**	**1200**	<250	nt
	12/13/11	**400**	**130**	**220**	**210**	960	**99**	<3.3	<2.3	<7.3	<2.3	<4.0	<3.0	<31	<730	**9600**	**1100**	<250	nt
	03/13/15	**290**	**110**	**130**	**160**	690	**53**	<1.0	<0.70	<2.2	**4.3J**	<1.2	**6.6**	<9.4	<310	**6200**	**750**	**91J**	nt
ES-6	07/23/93	<0.3	<0.3	<0.3	<0.6	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<500	<500	nt	nt
	10/07/93	**1**	BDL	BDL	BDL	1	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	**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	**2**	2	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	**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	**120**	nt	nt
	07/15/97	BDL	BDL	BDL	BDL	BDL	nt	BDL	nt	nt	nt	nt	nt	nt	nt	BDL	**60**	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	<0.4	<0.3	<0.3	<0.3	BDL	**0.5 J**	<0.31	<0.14	**0.65 J**	**3 J**	<0.31	<0.24	<6	<74	<17	**68**	<290	nt
	04/08/09	<0.1	<0.2	<0.1	<0.1	BDL	<0.1	<0.3	<0.14	**0.55 J**	**0.93 J**	<0.17	<0.23	<17	<74	<22	<16	**170**	nt
	07/15/09	**2.1 J**	**0.86 J**	**2.1 J**	<0.13	5.060	**1.2 J**	<0.32	<0.14	**0.74 J**	**0.88 J**	<0.17	<0.23	<17	<74	**161**	**73**	**200**	nt
	10/06/09	<0.1	<0.29	<0.15	<0.13	BDL	<0.11	<0.32	<0.14	<0.14	**0.4 J**	<0.17	<0.23	<17	<74	**17 J**	**30 J**	**34 J**	nt
	07/29/10	<0.25	<0.25	<0.25	<0.25	BDL	<0.25	<0.25	<0.25	<0.25	nt	<0.25	<0.25	<1	<25	<50	<50	<250	nt
	02/09/11	<0.25	<0.25	<0.25	<0.25	BDL	<0.25	<0.25	<0.25	<0.25	**0.37 J**	<0.25	<0.25	<2	<50	<50	<50	<250	nt
	12/13/11	**4.5**	**0.54**	**0.49 J**	**0.68**	5.72	**0.52**	<0.25	<0.25	**2.9**	**0.33 J**	<0.25	<0.25	**2.1**	<25	<50	<50	<250	nt
	08/05/14	<0.051	<0.040	<0.050	<0.25	0.00	< 0.016	<0.1	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<22	<50	<50	<250	nt
	03/12/15	**0.19JB**	**0.11J**	<0.050	<0.25	0.30	<0.16	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<31	**16J**	<24	**74J**	nt
ES-7	07/23/93	<0.3	<0.3	<0.3	<0.0006	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<500	<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	**110**	**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	**60**	nt	nt
	09/24/08	<0.4	<0.3	<0.3	<0.3	BDL	<0.3	<0.31	<0.14	**0.66 J**	<0.36	<0.31	<0.24	<6	<74	<17	<2	**150**	nt
	04/08/09	<0.1	<0.2	<0.1	<0.1	BDL	<0.1	<0.3	<0.14	**0.53 J**	<0.15	<0.17	<0.23	<17	<74	<23	<16	**690**	nt
	07/15/09	**1.3 J**	**0.51 J**	**0.96 J**	<0.13	2.77	**0.52 J**	<0.32	<0.14	**0.7 J**	<0.15	<0.17	<0.23	<17	<74	**27 J**	**31 J**	**93**	nt
	10/06/09	<0.1	<0.29	<0.15	<0.13	BDL	<0.11	<0.32	<0.14	<0.14	<0.15	<0.17	<0.23	<17	<74	**24 J**	<20	**41 J**	nt

Table 3b - Cumulative Summary of Groundwater Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 14-1379

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
	07/29/10	<0.25	<0.25	<0.25	<0.25	BDL	<0.25	<0.25	<0.25	<0.25	nt	<0.25	<0.25	<1	<25	<50	<50	<250	nt
	02/09/11	<0.25	<0.25	<0.25	<0.25	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<2	<50	<50	<50	<250	nt
	12/13/11	**2.7**	**0.40 J**	**0.42 J**	**0.56**	4.08	**0.33 J**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<1.0	<25	<50	<50	<250	nt
	08/06/14	<0.051	<0.040	<0.050	<0.25	0.00	< 0.016	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<22	<50	<50	<250	nt
	03/12/15	**0.061JB**	**0.12J**	<0.050	<0.25	0.18	<0.16	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<31	**15J**	<24	<65	nt
ES-8	07/23/93	<0.3	<0.3	<0.3	<0.6	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<500	<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	**15**	**1.4 J**	**2 J**	**2.7 J**	21.1	**0.3 J**	<0.3	<0.14	<0.14	**56**	<0.17	<0.23	<17	<74	**1600**	**2300**	<33	nt
	07/14/09	**6**	**0.83 J**	**0.61 J**	<0.13	7.4	<0.11	<0.32	<0.14	<0.14	**45**	<0.17	<0.23	<17	<74	**1800**	**540**	**230**	nt
	10/06/09	**7**	**1 J**	**1 J**	**1 J**	10	**0.2 J**	<0.32	<0.14	<0.14	**36**	<0.17	<0.23	<17	<74	**1900**	**270**	**170**	nt
	07/28/10	<0.25	<0.25	<0.25	<0.25	BDL	<0.25	<0.25	<0.25	<0.25	nt	<0.25	<0.25	<1	<25	**260**	**84**	<250	nt
	02/08/11	**1**	<0.25	<0.25	<0.25	1.000	<0.25	<0.25	<0.25	<0.25	120	<0.25	<0.25	<2	<50	**280**	**91**	<250	nt
	12/13/11	**0.36 J**	<0.25	<0.25	<0.25	0.36	<0.25	<0.25	<0.25	<0.25	**34**	<0.25	<0.25	<1.0	<25	**280**	**61**	<250	nt
	08/06/14	**3.4**	**0.33 J**	**1.3 J**	<1.2	5.03	**1.2 J**	<0.50	<0.35	<1.1	**74**	<0.60	<0.45	<4.7	<110	**730**	**71**	<250	nt
	03/12/15	**2.6**	**0.45J**	**0.35J**	**0.39J**	3.79	<0.16	<0.10	<0.070	<0.22	**30**	<0.12	**0.15JB**	<0.94	<31	**930**	**94**	<65	nt
ES-9	07/23/93	<0.3	<0.3	<0.3	<0.6	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<500	<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	**1100**	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	<0.1	<0.2	<0.1	<0.1	BDL	<0.1	<0.3	<0.14	**0.55J**	**0.56J**	<0.17	<0.23	<17	<74	<23	<16	**210**	nt
	07/15/09	<0.1	<0.29	<0.15	<0.13	BDL	<0.1	<0.32	<0.14	**0.66J**	**0.52J**	<0.17	<0.23	<17	<74	<16	**28J**	**61**	nt
	10/06/09	<0.1	<0.29	<0.15	**0.2J**	0.2	<0.1	<0.32	<0.14	<0.14	**0.5J**	<0.17	<0.23	<17	<74	**22J**	**27J**	**52**	nt
	07/28/10	<0.25	<0.25	<0.25	<0.25	BDL	<0.25	<0.25	<0.25	<0.25	nt	<0.25	<0.25	<1	<25	<50	<50	<250	nt
	02/08/11	<0.25	<0.25	<0.25	<0.25	BDL	<0.25	<0.25	<0.25	<0.25	**0.45J**	<0.25	<0.25	<2	<50	<50	<50	<250	nt
	12/13/11	<0.25	<0.25	<0.25	<0.25	BDL	<0.25	<0.25	<0.25	<0.25	**6.0**	<0.25	<0.25	<1.0	<25	<50	<50	<250	nt
	08/06/14	<0.051	<0.040	<0.050	<0.25	0.00	< 0.016	<0.10	<0.070	<0.22	**1.3**	<0.12	<0.090	<0.94	<22	<50	<50	<250	nt
	03/12/15	<0.22	**0.13J**	<0.050	<0.25	0.13	<0.16	<0.10	<0.070	<0.22	**0.8**	<0.12	<0.090	<0.94	<31	**17J**	**25J**	**83J**	nt
ES-10	07/23/93	<0.3	<0.3	<0.3	<0.6	BDL	nt	nt	nt	nt	nt	nt	nt	nt	nt	<500	<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

Table 3b - Cumulative Summary of Groundwater Analytical Results
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 14-1379

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
	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
	02/09/11	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne
	12/13/11	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne
ES-11	07/23/93	<0.3	**1**	<0.3	**1**	2	nt	nt	nt	nt	nt	nt	nt	nt	nt	<500	<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	**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	**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	<0.4	<0.3	<0.3	<0.3	BDL	<0.3	<0.31	<0.14	**0.67J**	<0.36	<0.31	<0.24	<6	<74	<17	**28J**	<29	nt
	04/09/09	**2.5J**	**0.9J**	**1.7J**	**3J**	8.1	**1.1J**	<0.3	<0.14	**0.52J**	**0.25J**	<0.17	<0.23	<17	<74	<25	<16	**200**	nt
	07/15/09	**2.8J**	**0.97J**	**2.1J**	<0.13	5.87	**1.4J**	<0.32	<0.14	<0.14	**0.25J**	<0.17	<0.23	<17	<74	**41J**	<20	<29	nt
	10/07/09	<0.1	<0.29	<0.15	<0.13	BDL	<0.11	<0.32	<0.14	<0.14	<0.15	<0.17	<0.23	<17	<74	<16	<20	<29	nt
	07/29/10	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	02/09/11	**0.47J**	<0.25	**0.26J**	<0.25	0.73	**0.27J**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<2	<50	<50	<50	<250	nt
	12/13/11	**1.2**	<0.25	<0.25	**0.32J**	1.52	**0.28J**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<1.0	<25	<50	<50	<250	nt
	08/06/14	<0.051	<0.040	<0.050	<0.25	0.00	< 0.016	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<22	<50	<50	<250	nt
	03/13/15	**0.057JB**	**0.19J**	<0.050	<0.25	0.25	<0.16	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<31	**19J**	<24	<65	nt
RWQCB ESLs (non-drinking water resource)		**46**	**130**	**43**	**100**	ne	**24**	**1800**	ne	ne	ne	**150**	**200**	**18000**	ne	**210**	**210**	**210**	ne
RWQCB ESLs (potential vapor intrusion concerns, commercial)		**1800**	**530000**	**170000**	**160000**	ne	**11000**	**80000**	ne	ne	ne	**540**	**690**	(use soil gas)	ne	(use soil gas)	(use soil gas)	ne	ne

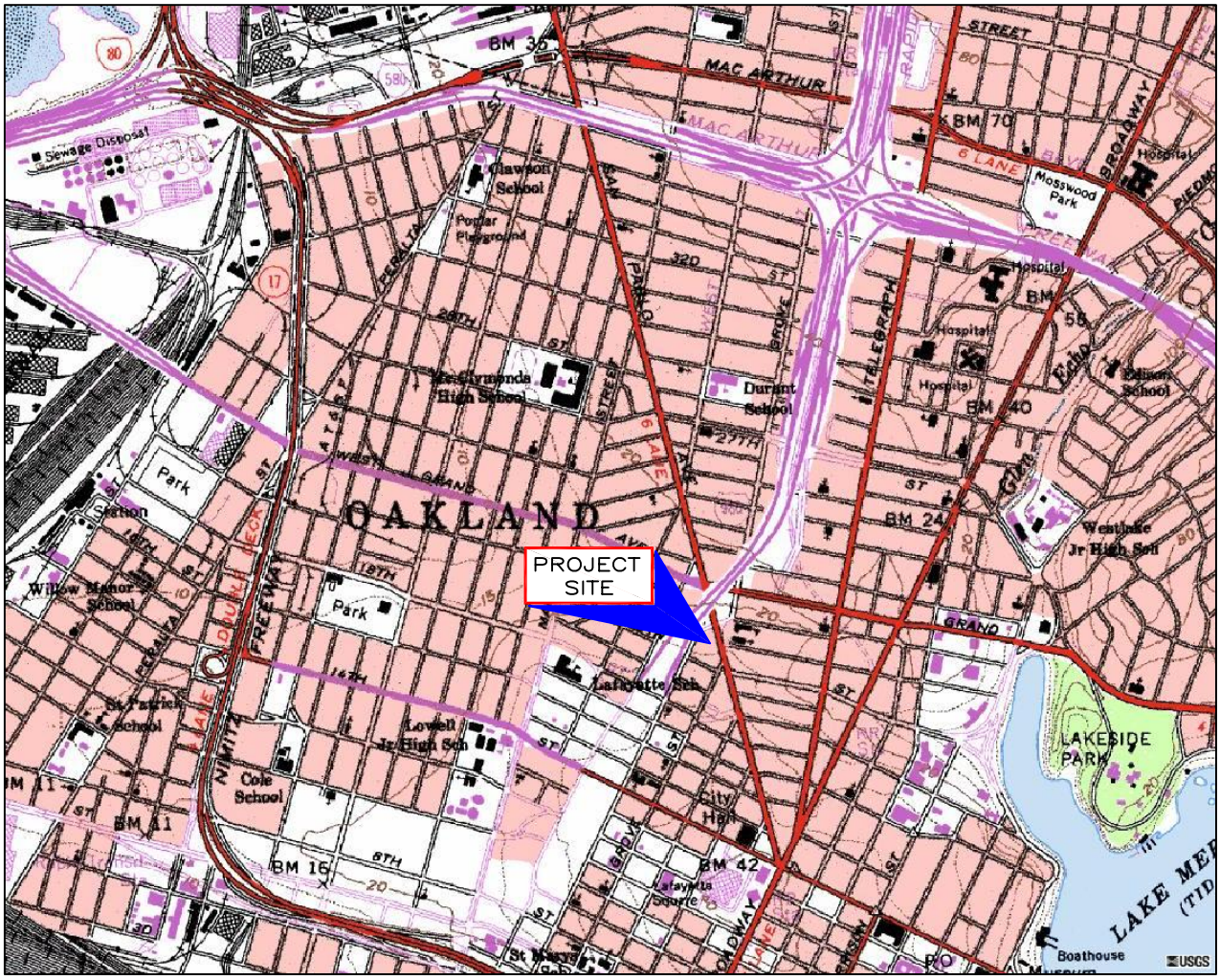
Analytical test results are reported in micrograms per liter (µg/L).
Bolded results indicate detected concentrations exceeded laboratory detection limits.
nt = not tested for that constituent ns = not sampled dne = does not exist ne = not established <, BDL = below laboratory detection limits J = reported result is between the MDL and PQL B = analyte detected in the asssociated Method Blank and in the sample na = not analyzed
* EDC is the abbreviation for 1,2-Dichloroethane (1,2-DCA) presented in the Analytical Report attached as Appendix A.
Notes: 1) BTEX analyzed by EPA Method 8260
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

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

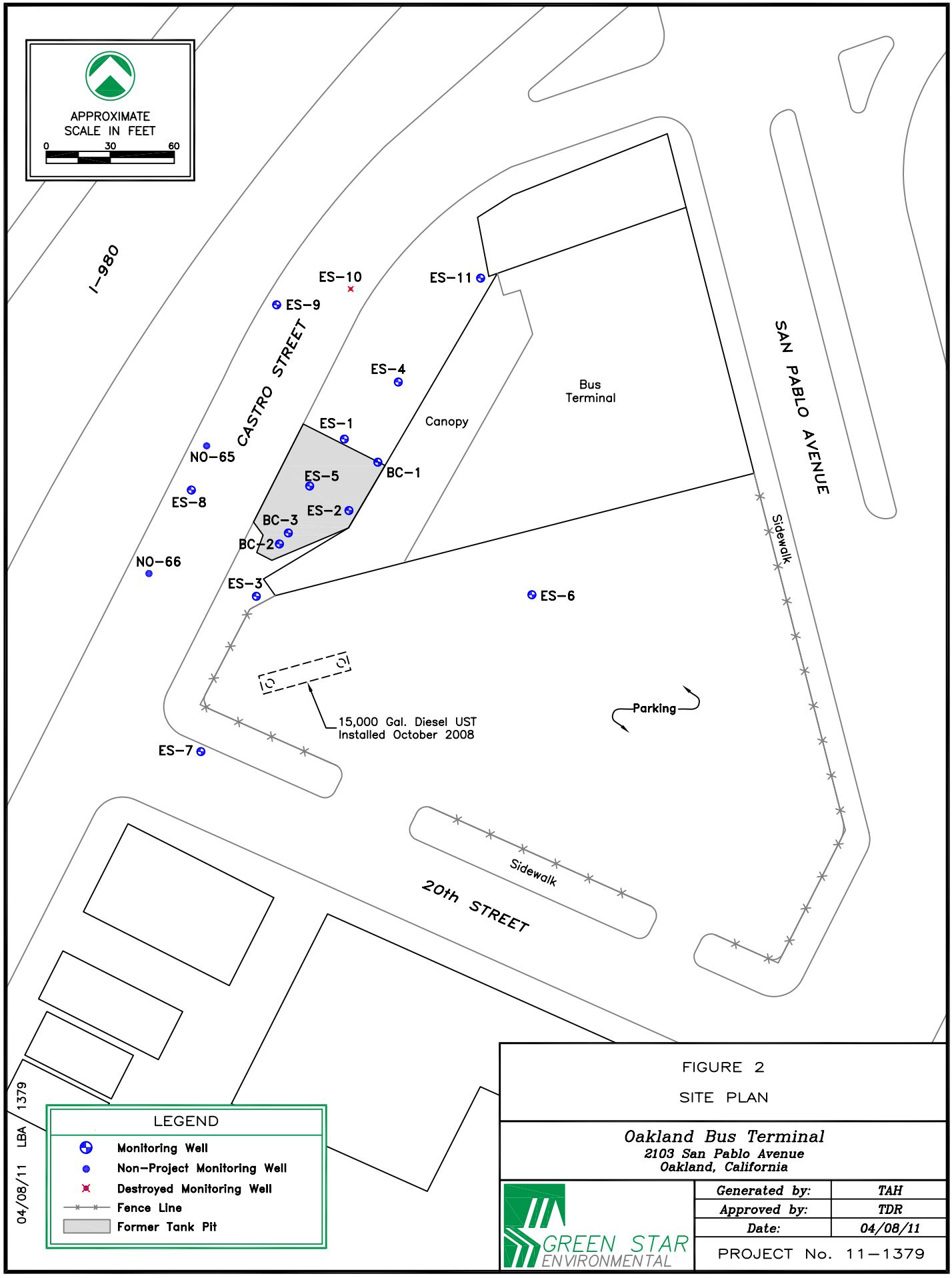
SITE LOCATION/USGS TOPOGRAPHIC MAP

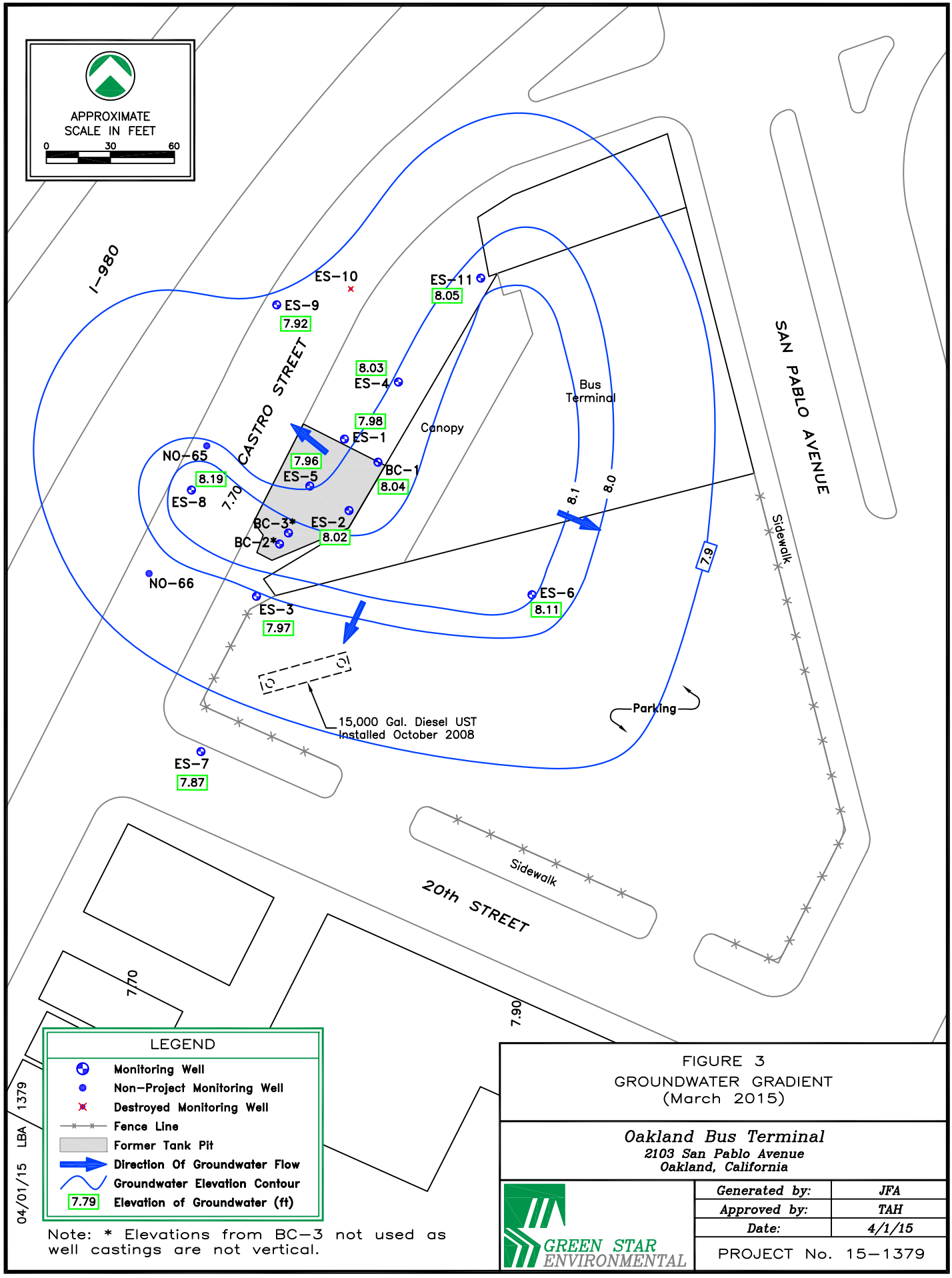
Greyhound Lines, Inc.
2103 San Pablo Avenue
Oakland, California

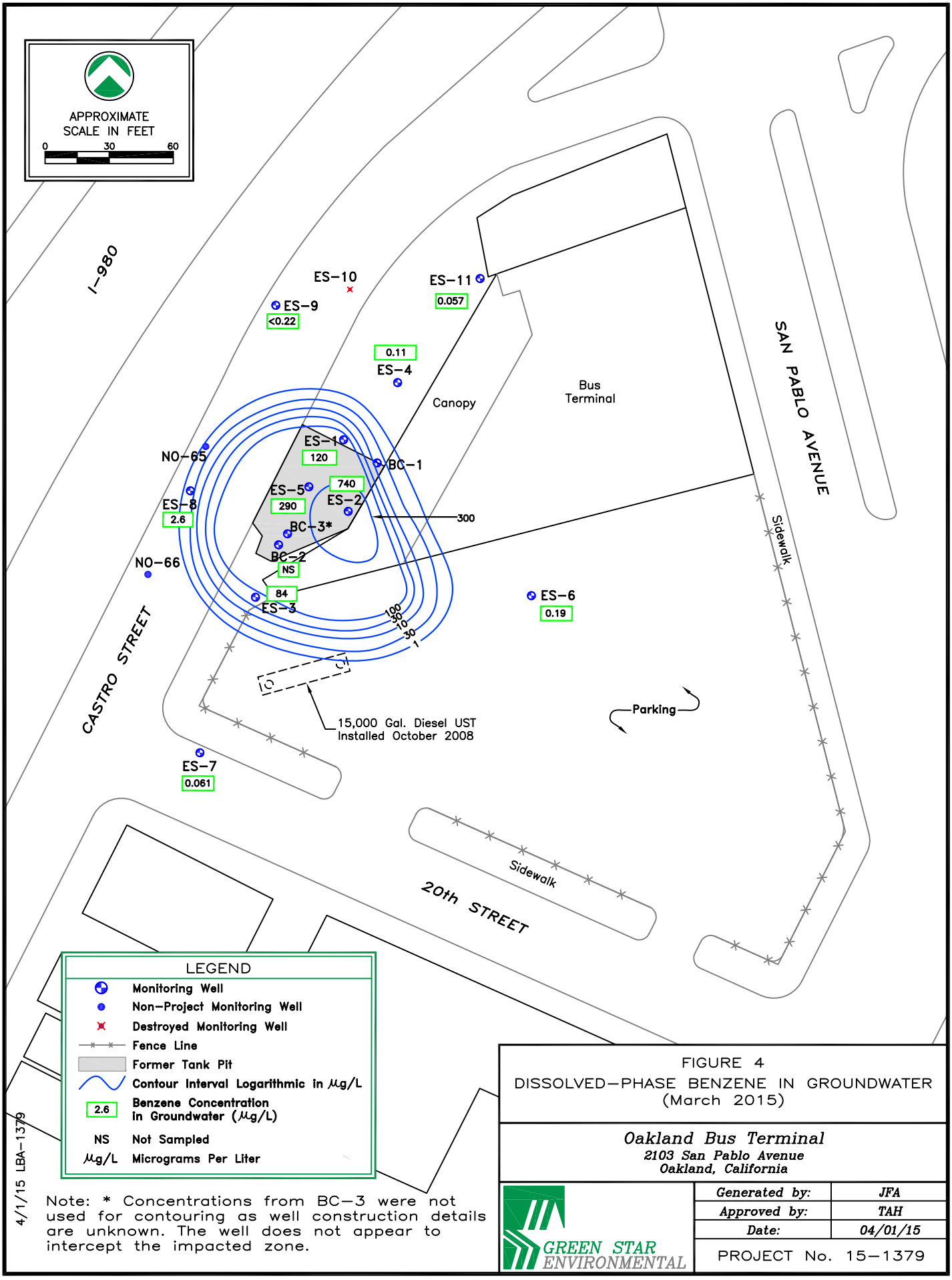
GREEN STAR ENVIRONMENTAL

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

PROJECT No. 09-1379


APPROXIMATE
SCALE IN FEET
0
30
60
I-980
CASTRO STREET
SAN PABLO AVENUE
ES-10
ES-11
ES-9
ES-4
ES-1
ES-5
ES-2
ES-3
ES-6
ES-7
ES-8
BC-1
BC-2
BC-3
NO-65
NO-66
Bus
Terminal
Canopy
Sidewalk
Parking
15,000 Gal. Diesel UST
Installed October 2008
20th STREET
Sidewalk
LEGEND
Monitoring Well
Non-Project Monitoring Well
Destroyed Monitoring Well
Fence Line
Former Tank Pit
04/08/11 LBA 1379
FIGURE 2
SITE PLAN
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California
GREEN STAR
ENVIRONMENTAL
Generated by: TAH
Approved by: TDR
Date: 04/08/11
PROJECT No. 11-1379


APPROXIMATE
SCALE IN FEET
0
30
60
I-980
CASTRO STREET
SAN PABLO AVENUE
20th STREET
ES-10
ES-9
7.92
ES-11
8.05
8.03
ES-4
7.98
ES-1
Canopy
Bus
Terminal
NO-65
8.19
7.96
ES-5
BC-1
8.04
ES-8
7.70
BC-3*
ES-2
BC-2*
8.02
8.1
8.0
7.9
NO-66
ES-3
7.97
ES-6
8.11
Sidewalk
Parking
15,000 Gal. Diesel UST
Installed October 2008
ES-7
7.87
Sidewalk
7.70
7.90
LEGEND
Monitoring Well
Non-Project Monitoring Well
Destroyed Monitoring Well
Fence Line
Former Tank Pit
Direction Of Groundwater Flow
Groundwater Elevation Contour
7.79
Elevation of Groundwater (ft)
Note: * Elevations from BC-3 not used as well castings are not vertical.
04/01/15 LBA 1379
FIGURE 3
GROUNDWATER GRADIENT
(March 2015)
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California
GREEN STAR ENVIRONMENTAL
Generated by: JFA
Approved by: TAH
Date: 4/1/15
PROJECT No. 15-1379



Note: * Concentrations from BC-3 were not used for contouring as well construction details are unknown. The well does not appear to intercept the impacted zone.

4/1/15 LBA-1379

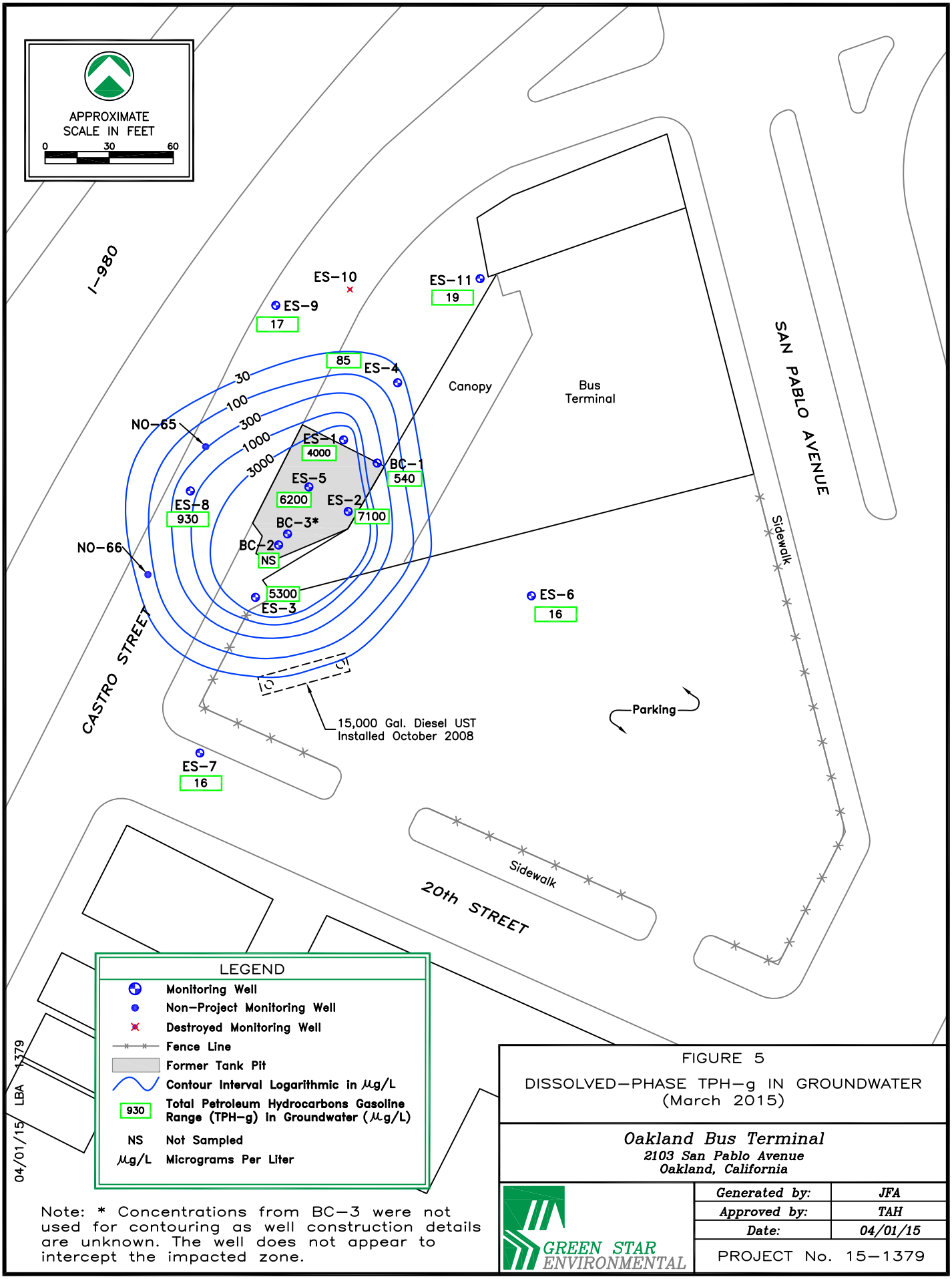
FIGURE 4
DISSOLVED-PHASE BENZENE IN GROUNDWATER
(March 2015)

Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California

GREEN STAR ENVIRONMENTAL

Generated by:	*JFA*
Approved by:	*TAH*
Date:	*04/01/15*

PROJECT No. 15-1379



Note: * Concentrations from BC-3 were not used for contouring as well construction details are unknown. The well does not appear to intercept the impacted zone.

FIGURE 5

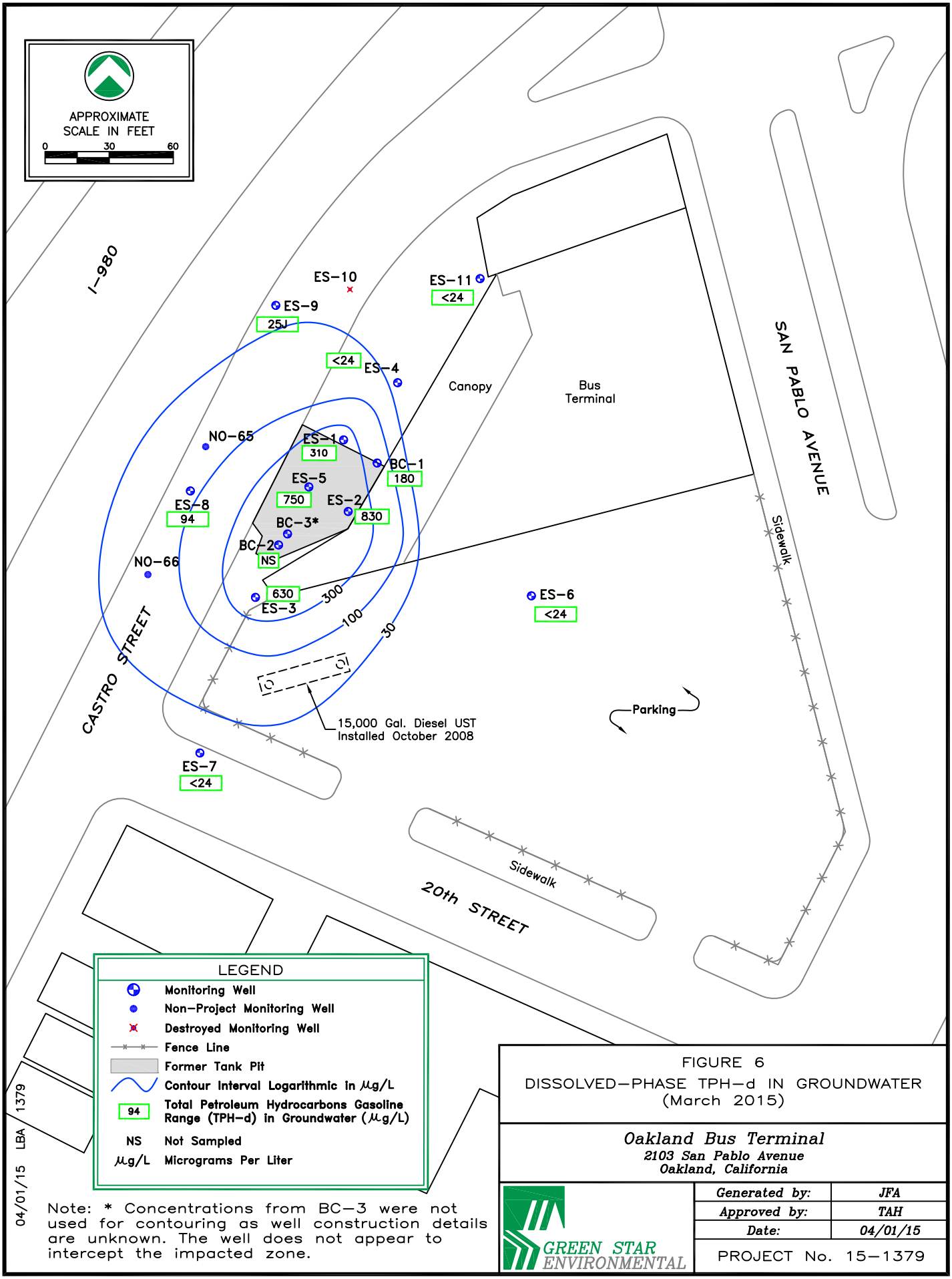
DISSOLVED-PHASE TPH-g IN GROUNDWATER
(March 2015)

Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California

GREEN STAR ENVIRONMENTAL

Generated by:	*JFA*
Approved by:	*TAH*
Date:	*04/01/15*

PROJECT No. 15-1379



Note: * Concentrations from BC-3 were not used for contouring as well construction details are unknown. The well does not appear to intercept the impacted zone.

FIGURE 6

DISSOLVED-PHASE TPH-d IN GROUNDWATER
(March 2015)

Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California

GREEN STAR ENVIRONMENTAL

Generated by:	*JFA*
Approved by:	*TAH*
Date:	*04/01/15*

PROJECT No. 15-1379

04/01/15 LBA 1379

APPENDIX A

Analytical Results with Chain-of-Custody Documentation

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1503543

Report Created for: Greenstar Environmental

354 McDonnell Street, Suite 9
Lewisville, TX 75057

Project Contact: Terrance A. Harriman
Project P.O.: 5200
Project Name: #1379; GLI-Oakland

Project Received: 03/13/2015

Analytical Report reviewed & approved for release on 03/19/2015 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
NELAP: 4033ORELAP ♦ ELAP: 1644 ♦ ISO/IEC: 17025:2005 ♦ WSDE: C972-11 ♦ ADEC: UST-098 ♦ UCMR3

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Green Star Environmental
Project: #1379; GLI-Oakland
WorkOrder: 1503543

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
TEQ	Toxicity Equivalence

Analytical Qualifiers

B	analyte detected in the associated Method Blank and in the sample
J	Result is less than the RL but greater than the MDL. The reported concentration is an estimated value.
S	spike recovery outside accepted recovery limits
c4	surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.
d1	weakly modified or unmodified gasoline is significant
d9	no recognizable pattern
e2	diesel range compounds are significant; no recognizable pattern
e3	aged diesel is significant
e4	gasoline range compounds are significant.
e7	oil range compounds are significant

Quality Control Qualifiers

F2	LCS recovery for this compound is outside of acceptance limits.

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
BC-1	1503543-001B	Water	03/12/2015 11:05	GC38	102333

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND		0.55	1.2	2.5	03/16/2015 19:27
Benzene	**6.3**		0.13	1.2	2.5	03/16/2015 19:27
t-Butyl alcohol (TBA)	ND		2.4	5.0	2.5	03/16/2015 19:27
1,2-Dibromoethane (EDB)	ND		0.30	1.2	2.5	03/16/2015 19:27
1,2-Dichloroethane (1,2-DCA)	ND		0.23	1.2	2.5	03/16/2015 19:27
Diisopropyl ether (DIPE)	**73**		0.18	1.2	2.5	03/16/2015 19:27
Ethanol	ND		78	120	2.5	03/16/2015 19:27
Ethylbenzene	**0.38**	J	0.12	1.2	2.5	03/16/2015 19:27
Ethyl tert-butyl ether (ETBE)	ND		0.18	1.2	2.5	03/16/2015 19:27
Methyl-t-butyl ether (MTBE)	ND		0.25	1.2	2.5	03/16/2015 19:27
Naphthalene	ND		0.40	1.2	2.5	03/16/2015 19:27
Toluene	**0.56**	J	0.10	1.2	2.5	03/16/2015 19:27
Xylenes, Total	ND		0.62	1.2	2.5	03/16/2015 19:27

Surrogates	REC (%)	Limits	
Dibromofluoromethane	104	80-124	03/16/2015 19:27
Toluene-d8	95	75-110	03/16/2015 19:27
4-BFB	87	69-114	03/16/2015 19:27

Analyst(s): KF

(Cont.)

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-8	**1503543-002B**	**Water**	**03/12/2015 12:35**	**GC38**	**102333**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND		0.22	0.50	1	03/16/2015 18:50
Benzene	**2.6**		0.051	0.50	1	03/16/2015 18:50
t-Butyl alcohol (TBA)	ND		0.94	2.0	1	03/16/2015 18:50
1,2-Dibromoethane (EDB)	ND		0.12	0.50	1	03/16/2015 18:50
1,2-Dichloroethane (1,2-DCA)	**0.15**	JB	0.090	0.50	1	03/16/2015 18:50
Diisopropyl ether (DIPE)	**30**		0.070	0.50	1	03/16/2015 18:50
Ethanol	ND		31	50	1	03/16/2015 18:50
Ethylbenzene	**0.35**	J	0.050	0.50	1	03/16/2015 18:50
Ethyl tert-butyl ether (ETBE)	ND		0.070	0.50	1	03/16/2015 18:50
Methyl-t-butyl ether (MTBE)	ND		0.10	0.50	1	03/16/2015 18:50
Naphthalene	ND		0.16	0.50	1	03/16/2015 18:50
Toluene	**0.45**	J	0.040	0.50	1	03/16/2015 18:50
Xylenes, Total	**0.39**	J	0.25	0.50	1	03/16/2015 18:50

Surrogates	REC (%)	Limits	
Dibromofluoromethane	87	80-124	03/16/2015 18:50
Toluene-d8	96	75-110	03/16/2015 18:50
4-BFB	106	69-114	03/16/2015 18:50

Analyst(s): KF

(Cont.)

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-9	**1503543-003B**	**Water**	**03/12/2015 13:12**	**GC38**	**102333**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND		0.22	0.50	1	03/14/2015 14:54
Benzene	ND		0.051	0.50	1	03/14/2015 14:54
t-Butyl alcohol (TBA)	ND		0.94	2.0	1	03/14/2015 14:54
1,2-Dibromoethane (EDB)	ND		0.12	0.50	1	03/14/2015 14:54
1,2-Dichloroethane (1,2-DCA)	ND		0.090	0.50	1	03/14/2015 14:54
Diisopropyl ether (DIPE)	**0.84**		0.070	0.50	1	03/14/2015 14:54
Ethanol	ND		31	50	1	03/14/2015 14:54
Ethylbenzene	ND		0.050	0.50	1	03/14/2015 14:54
Ethyl tert-butyl ether (ETBE)	ND		0.070	0.50	1	03/14/2015 14:54
Methyl-t-butyl ether (MTBE)	ND		0.10	0.50	1	03/14/2015 14:54
Naphthalene	ND		0.16	0.50	1	03/14/2015 14:54
Toluene	**0.13**	J	0.040	0.50	1	03/14/2015 14:54
Xylenes, Total	ND		0.25	0.50	1	03/14/2015 14:54

Surrogates	REC (%)	Limits	
Dibromofluoromethane	99	80-124	03/14/2015 14:54
Toluene-d8	97	75-110	03/14/2015 14:54
4-BFB	88	69-114	03/14/2015 14:54

Analyst(s): KBO

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-1	**1503543-004B**	**Water**	**03/12/2015 14:46**	**GC38**	**102333**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND		1.1	2.5	5	03/16/2015 20:05
Benzene	**120**		0.26	2.5	5	03/16/2015 20:05
t-Butyl alcohol (TBA)	ND		4.7	10	5	03/16/2015 20:05
1,2-Dibromoethane (EDB)	ND		0.60	2.5	5	03/16/2015 20:05
1,2-Dichloroethane (1,2-DCA)	**1.8**	JB	0.45	2.5	5	03/16/2015 20:05
Diisopropyl ether (DIPE)	**37**		0.35	2.5	5	03/16/2015 20:05
Ethanol	ND		160	250	5	03/16/2015 20:05
Ethylbenzene	**10**		0.25	2.5	5	03/16/2015 20:05
Ethyl tert-butyl ether (ETBE)	ND		0.35	2.5	5	03/16/2015 20:05
Methyl-t-butyl ether (MTBE)	ND		0.50	2.5	5	03/16/2015 20:05
Naphthalene	**12**		0.80	2.5	5	03/16/2015 20:05
Toluene	**14**		0.20	2.5	5	03/16/2015 20:05
Xylenes, Total	**50**		1.2	2.5	5	03/16/2015 20:05

Surrogates	REC (%)	Limits	
Dibromofluoromethane	99	80-124	03/16/2015 20:05
Toluene-d8	97	75-110	03/16/2015 20:05
4-BFB	108	69-114	03/16/2015 20:05

Analyst(s): KF

(Cont.)

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

Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-4	1503543-005B	Water	03/12/2015 15:32	GC38	102333

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND		0.22	0.50	1	03/14/2015 20:08
Benzene	**0.11**	JB	0.051	0.50	1	03/14/2015 20:08
t-Butyl alcohol (TBA)	ND		0.94	2.0	1	03/14/2015 20:08
1,2-Dibromoethane (EDB)	ND		0.12	0.50	1	03/14/2015 20:08
1,2-Dichloroethane (1,2-DCA)	**0.15**	JB	0.090	0.50	1	03/14/2015 20:08
Diisopropyl ether (DIPE)	**21**		0.070	0.50	1	03/14/2015 20:08
Ethanol	ND		31	50	1	03/14/2015 20:08
Ethylbenzene	**0.056**	J	0.050	0.50	1	03/14/2015 20:08
Ethyl tert-butyl ether (ETBE)	ND		0.070	0.50	1	03/14/2015 20:08
Methyl-t-butyl ether (MTBE)	ND		0.10	0.50	1	03/14/2015 20:08
Naphthalene	ND		0.16	0.50	1	03/14/2015 20:08
Toluene	**0.13**	J	0.040	0.50	1	03/14/2015 20:08
Xylenes, Total	ND		0.25	0.50	1	03/14/2015 20:08

Surrogates	REC (%)	Limits	
Dibromofluoromethane	117	80-124	03/14/2015 20:08
Toluene-d8	94	75-110	03/14/2015 20:08
4-BFB	83	69-114	03/14/2015 20:08

Analyst(s): KBO

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-2	1503543-006B	Water	03/12/2015 16:10	GC38	102333

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND		7.3	17	33	03/16/2015 21:57
Benzene	**740**		1.7	17	33	03/16/2015 21:57
t-Butyl alcohol (TBA)	ND		31	67	33	03/16/2015 21:57
1,2-Dibromoethane (EDB)	ND		4.0	17	33	03/16/2015 21:57
1,2-Dichloroethane (1,2-DCA)	**5.9**	JB	3.0	17	33	03/16/2015 21:57
Diisopropyl ether (DIPE)	**77**		2.3	17	33	03/16/2015 21:57
Ethanol	ND		1000	1700	33	03/16/2015 21:57
Ethylbenzene	**15**	J	1.7	17	33	03/16/2015 21:57
Ethyl tert-butyl ether (ETBE)	ND		2.3	17	33	03/16/2015 21:57
Methyl-t-butyl ether (MTBE)	ND		3.3	17	33	03/16/2015 21:57
Naphthalene	ND		5.3	17	33	03/16/2015 21:57
Toluene	**50**		1.3	17	33	03/16/2015 21:57
Xylenes, Total	**63**		8.3	17	33	03/16/2015 21:57

Surrogates	REC (%)	Limits	
Dibromofluoromethane	104	80-124	03/16/2015 21:57
Toluene-d8	98	75-110	03/16/2015 21:57
4-BFB	90	69-114	03/16/2015 21:57

Analyst(s): KF

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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-6	**1503543-007B**	**Water**	**03/12/2015 16:47**	**GC38**	**102333**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND		0.22	0.50	1	03/14/2015 21:34
Benzene	**0.19**	JB	0.051	0.50	1	03/14/2015 21:34
t-Butyl alcohol (TBA)	ND		0.94	2.0	1	03/14/2015 21:34
1,2-Dibromoethane (EDB)	ND		0.12	0.50	1	03/14/2015 21:34
1,2-Dichloroethane (1,2-DCA)	ND		0.090	0.50	1	03/14/2015 21:34
Diisopropyl ether (DIPE)	ND		0.070	0.50	1	03/14/2015 21:34
Ethanol	ND		31	50	1	03/14/2015 21:34
Ethylbenzene	ND		0.050	0.50	1	03/14/2015 21:34
Ethyl tert-butyl ether (ETBE)	ND		0.070	0.50	1	03/14/2015 21:34
Methyl-t-butyl ether (MTBE)	ND		0.10	0.50	1	03/14/2015 21:34
Naphthalene	ND		0.16	0.50	1	03/14/2015 21:34
Toluene	**0.11**	J	0.040	0.50	1	03/14/2015 21:34
Xylenes, Total	ND		0.25	0.50	1	03/14/2015 21:34

Surrogates	REC (%)	Limits	
Dibromofluoromethane	111	80-124	03/14/2015 21:34
Toluene-d8	97	75-110	03/14/2015 21:34
4-BFB	88	69-114	03/14/2015 21:34

Analyst(s): KBO

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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-7	**1503543-008B**	**Water**	**03/12/2015 17:39**	**GC38**	**102333**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND		0.22	0.50	1	03/14/2015 22:18
Benzene	**0.061**	JB	0.051	0.50	1	03/14/2015 22:18
t-Butyl alcohol (TBA)	ND		0.94	2.0	1	03/14/2015 22:18
1,2-Dibromoethane (EDB)	ND		0.12	0.50	1	03/14/2015 22:18
1,2-Dichloroethane (1,2-DCA)	ND		0.090	0.50	1	03/14/2015 22:18
Diisopropyl ether (DIPE)	ND		0.070	0.50	1	03/14/2015 22:18
Ethanol	ND		31	50	1	03/14/2015 22:18
Ethylbenzene	ND		0.050	0.50	1	03/14/2015 22:18
Ethyl tert-butyl ether (ETBE)	ND		0.070	0.50	1	03/14/2015 22:18
Methyl-t-butyl ether (MTBE)	ND		0.10	0.50	1	03/14/2015 22:18
Naphthalene	ND		0.16	0.50	1	03/14/2015 22:18
Toluene	**0.12**	J	0.040	0.50	1	03/14/2015 22:18
Xylenes, Total	ND		0.25	0.50	1	03/14/2015 22:18

Surrogates	REC (%)	Limits	
Dibromofluoromethane	107	80-124	03/14/2015 22:18
Toluene-d8	96	75-110	03/14/2015 22:18
4-BFB	89	69-114	03/14/2015 22:18

Analyst(s): KBO

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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-3	**1503543-009B**	**Water**	**03/12/2015 18:17**	**GC38**	**102333**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND		1.1	2.5	5	03/16/2015 20:42
Benzene	**84**		0.26	2.5	5	03/16/2015 20:42
t-Butyl alcohol (TBA)	ND		4.7	10	5	03/16/2015 20:42
1,2-Dibromoethane (EDB)	ND		0.60	2.5	5	03/16/2015 20:42
1,2-Dichloroethane (1,2-DCA)	**1.7**	JB	0.45	2.5	5	03/16/2015 20:42
Diisopropyl ether (DIPE)	**21**		0.35	2.5	5	03/16/2015 20:42
Ethanol	ND		160	250	5	03/16/2015 20:42
Ethylbenzene	**120**		0.25	2.5	5	03/16/2015 20:42
Ethyl tert-butyl ether (ETBE)	ND		0.35	2.5	5	03/16/2015 20:42
Methyl-t-butyl ether (MTBE)	ND		0.50	2.5	5	03/16/2015 20:42
Naphthalene	**40**		0.80	2.5	5	03/16/2015 20:42
Toluene	**27**		0.20	2.5	5	03/16/2015 20:42
Xylenes, Total	**110**		1.2	2.5	5	03/16/2015 20:42

Surrogates	REC (%)	Limits	
Dibromofluoromethane	102	80-124	03/16/2015 20:42
Toluene-d8	98	75-110	03/16/2015 20:42
4-BFB	106	69-114	03/16/2015 20:42

Analyst(s): KF

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

Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-5	**1503543-010B**	**Water**	**03/13/2015 08:52**	**GC38**	**102333**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND		2.2	5.0	10	03/16/2015 21:20
Benzene	**290**		0.51	5.0	10	03/16/2015 21:20
t-Butyl alcohol (TBA)	ND		9.4	20	10	03/16/2015 21:20
1,2-Dibromoethane (EDB)	ND		1.2	5.0	10	03/16/2015 21:20
1,2-Dichloroethane (1,2-DCA)	**6.6**		0.90	5.0	10	03/16/2015 21:20
Diisopropyl ether (DIPE)	**4.3**	J	0.70	5.0	10	03/16/2015 21:20
Ethanol	ND		310	500	10	03/16/2015 21:20
Ethylbenzene	**130**		0.50	5.0	10	03/16/2015 21:20
Ethyl tert-butyl ether (ETBE)	ND		0.70	5.0	10	03/16/2015 21:20
Methyl-t-butyl ether (MTBE)	ND		1.0	5.0	10	03/16/2015 21:20
Naphthalene	**53**		1.6	5.0	10	03/16/2015 21:20
Toluene	**110**		0.40	5.0	10	03/16/2015 21:20
Xylenes, Total	**160**		2.5	5.0	10	03/16/2015 21:20

Surrogates	REC (%)	Limits	
Dibromofluoromethane	103	80-124	03/16/2015 21:20
Toluene-d8	98	75-110	03/16/2015 21:20
4-BFB	90	69-114	03/16/2015 21:20

Analyst(s): KF

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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
BC-3	**1503543-011B**	**Water**	**03/13/2015 10:18**	**GC38**	**102333**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND		0.22	0.50	1	03/15/2015 00:26
Benzene	**0.16**	JB	0.051	0.50	1	03/15/2015 00:26
t-Butyl alcohol (TBA)	ND		0.94	2.0	1	03/15/2015 00:26
1,2-Dibromoethane (EDB)	ND		0.12	0.50	1	03/15/2015 00:26
1,2-Dichloroethane (1,2-DCA)	ND		0.090	0.50	1	03/15/2015 00:26
Diisopropyl ether (DIPE)	ND		0.070	0.50	1	03/15/2015 00:26
Ethanol	ND		31	50	1	03/15/2015 00:26
Ethylbenzene	ND		0.050	0.50	1	03/15/2015 00:26
Ethyl tert-butyl ether (ETBE)	ND		0.070	0.50	1	03/15/2015 00:26
Methyl-t-butyl ether (MTBE)	ND		0.10	0.50	1	03/15/2015 00:26
Naphthalene	ND		0.16	0.50	1	03/15/2015 00:26
Toluene	**0.065**	J	0.040	0.50	1	03/15/2015 00:26
Xylenes, Total	ND		0.25	0.50	1	03/15/2015 00:26

Surrogates	REC (%)	Limits	
Dibromofluoromethane	99	80-124	03/15/2015 00:26
Toluene-d8	96	75-110	03/15/2015 00:26
4-BFB	90	69-114	03/15/2015 00:26

Analyst(s): KBO

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Angela Rydelius, Lab Manager

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-11	**1503543-012B**	**Water**	**03/13/2015 11:03**	**GC38**	**102333**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND		0.22	0.50	1	03/15/2015 01:08
Benzene	**0.057**	JB	0.051	0.50	1	03/15/2015 01:08
t-Butyl alcohol (TBA)	ND		0.94	2.0	1	03/15/2015 01:08
1,2-Dibromoethane (EDB)	ND		0.12	0.50	1	03/15/2015 01:08
1,2-Dichloroethane (1,2-DCA)	ND		0.090	0.50	1	03/15/2015 01:08
Diisopropyl ether (DIPE)	ND		0.070	0.50	1	03/15/2015 01:08
Ethanol	ND		31	50	1	03/15/2015 01:08
Ethylbenzene	ND		0.050	0.50	1	03/15/2015 01:08
Ethyl tert-butyl ether (ETBE)	ND		0.070	0.50	1	03/15/2015 01:08
Methyl-t-butyl ether (MTBE)	ND		0.10	0.50	1	03/15/2015 01:08
Naphthalene	ND		0.16	0.50	1	03/15/2015 01:08
Toluene	**0.19**	J	0.040	0.50	1	03/15/2015 01:08
Xylenes, Total	ND		0.25	0.50	1	03/15/2015 01:08

Surrogates	REC (%)	Limits	
Dibromofluoromethane	98	80-124	03/15/2015 01:08
Toluene-d8	96	75-110	03/15/2015 01:08
4-BFB	89	69-114	03/15/2015 01:08

Analyst(s): KBO

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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8260B
Date Prepared:	3/14/15-3/19/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Trip Blank	**1503543-013A**	**Water**	**03/13/2015**	**GC10**	**102520**

Analytes	Result	MDL	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.22	0.50	1	03/19/2015 23:40
Benzene	ND	0.051	0.50	1	03/19/2015 23:40
t-Butyl alcohol (TBA)	ND	0.94	2.0	1	03/19/2015 23:40
1,2-Dibromoethane (EDB)	ND	0.12	0.50	1	03/19/2015 23:40
1,2-Dichloroethane (1,2-DCA)	ND	0.090	0.50	1	03/19/2015 23:40
Diisopropyl ether (DIPE)	ND	0.070	0.50	1	03/19/2015 23:40
Ethanol	ND	31	50	1	03/19/2015 23:40
Ethylbenzene	ND	0.050	0.50	1	03/19/2015 23:40
Ethyl tert-butyl ether (ETBE)	ND	0.070	0.50	1	03/19/2015 23:40
Methyl-t-butyl ether (MTBE)	ND	0.10	0.50	1	03/19/2015 23:40
Naphthalene	ND	0.16	0.50	1	03/19/2015 23:40
Toluene	ND	0.040	0.50	1	03/19/2015 23:40
Xylenes, Total	ND	0.25	0.50	1	03/19/2015 23:40

Surrogates	REC (%)	Limits	
Dibromofluoromethane	90	80-124	03/19/2015 23:40
Toluene-d8	90	75-110	03/19/2015 23:40
4-BFB	87	69-114	03/19/2015 23:40

Analyst(s): KF

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	3/14/15-3/17/15	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
BC-1	**1503543-001A**	**Water**	**03/12/2015 11:05**	**GC3**	**102323**

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH(g)	**540**	11	50	1	03/14/2015 10:14
MTBE	**---**	0.36	5.0	1	03/14/2015 10:14
Benzene	**---**	0.070	0.50	1	03/14/2015 10:14
Toluene	**---**	0.14	0.50	1	03/14/2015 10:14
Ethylbenzene	**---**	0.070	0.50	1	03/14/2015 10:14
Xylenes	**---**	0.14	0.50	1	03/14/2015 10:14

Surrogates	REC (%)	Qualifiers	Limits	
aaa-TFT_2	143	S	70-130	03/14/2015 10:14

Analyst(s): IA Analytical Comments: d9,c4

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-8	**1503543-002A**	**Water**	**03/12/2015 12:35**	**GC3**	**102323**

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH(g)	**930**	11	50	1	03/14/2015 11:14
MTBE	**---**	0.36	70	1	03/14/2015 11:14
Benzene	**---**	0.070	0.50	1	03/14/2015 11:14
Toluene	**---**	0.14	0.50	1	03/14/2015 11:14
Ethylbenzene	**---**	0.070	0.50	1	03/14/2015 11:14
Xylenes	**---**	0.14	0.50	1	03/14/2015 11:14

Surrogates	REC (%)	Qualifiers	Limits	
aaa-TFT_2	184	S	70-130	03/14/2015 11:14

Analyst(s): IA Analytical Comments: d9,c4

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	3/14/15-3/17/15	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-9	**1503543-003A**	**Water**	**03/12/2015 13:12**	**GC3**	**102323**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH(g)	**17**	J	11	50	1	03/15/2015 00:29
MTBE	---		0.36	5.0	1	03/15/2015 00:29
Benzene	---		0.070	0.50	1	03/15/2015 00:29
Toluene	---		0.14	0.50	1	03/15/2015 00:29
Ethylbenzene	---		0.070	0.50	1	03/15/2015 00:29
Xylenes	---		0.14	0.50	1	03/15/2015 00:29

Surrogates	REC (%)	Limits	
aaa-TFT_2	102	70-130	03/15/2015 00:29

Analyst(s): IA

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-1	**1503543-004A**	**Water**	**03/12/2015 14:46**	**GC3**	**102323**

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH(g)	**4000**	110	500	10	03/14/2015 13:47
MTBE	---	3.6	50	10	03/14/2015 13:47
Benzene	---	0.70	5.0	10	03/14/2015 13:47
Toluene	---	1.4	5.0	10	03/14/2015 13:47
Ethylbenzene	---	0.70	5.0	10	03/14/2015 13:47
Xylenes	---	1.4	5.0	10	03/14/2015 13:47

Surrogates	REC (%)	Limits	
aaa-TFT_2	115	70-130	03/14/2015 13:47

Analyst(s): IA Analytical Comments: d1

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	3/14/15-3/17/15	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-4	1503543-005A	Water	03/12/2015 15:32	GC3	102323

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH(g)	**85**	11	50	1	03/17/2015 17:15
MTBE	---	0.36	5.0	1	03/17/2015 17:15
Benzene	---	0.070	0.50	1	03/17/2015 17:15
Toluene	---	0.14	0.50	1	03/17/2015 17:15
Ethylbenzene	---	0.070	0.50	1	03/17/2015 17:15
Xylenes	---	0.14	0.50	1	03/17/2015 17:15

Surrogates	REC (%)	Limits	
aaa-TFT_2	102	70-130	03/17/2015 17:15

Analyst(s): IA Analytical Comments: d9

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-2	1503543-006A	Water	03/12/2015 16:10	GC3	102323

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH(g)	**7100**	110	500	10	03/14/2015 14:18
MTBE	---	3.6	50	10	03/14/2015 14:18
Benzene	---	0.70	5.0	10	03/14/2015 14:18
Toluene	---	1.4	5.0	10	03/14/2015 14:18
Ethylbenzene	---	0.70	5.0	10	03/14/2015 14:18
Xylenes	---	1.4	5.0	10	03/14/2015 14:18

Surrogates	REC (%)	Limits	
aaa-TFT_2	117	70-130	03/14/2015 14:18

Analyst(s): IA Analytical Comments: d1

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	3/14/15-3/17/15	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-6	1503543-007A	Water	03/12/2015 16:47	GC3	102323

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH(g)	**16**	J	11	50	1	03/17/2015 19:15
MTBE	---		0.36	5.0	1	03/17/2015 19:15
Benzene	---		0.070	0.50	1	03/17/2015 19:15
Toluene	---		0.14	0.50	1	03/17/2015 19:15
Ethylbenzene	---		0.070	0.50	1	03/17/2015 19:15
Xylenes	---		0.14	0.50	1	03/17/2015 19:15

Surrogates	REC (%)	Limits	
aaa-TFT_2	98	70-130	03/17/2015 19:15

Analyst(s): IA

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-7	1503543-008A	Water	03/12/2015 17:39	GC3	102394

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH(g)	**15**	J	11	50	1	03/16/2015 21:21
MTBE	---		0.36	5.0	1	03/16/2015 21:21
Benzene	---		0.070	0.50	1	03/16/2015 21:21
Toluene	---		0.14	0.50	1	03/16/2015 21:21
Ethylbenzene	---		0.070	0.50	1	03/16/2015 21:21
Xylenes	---		0.14	0.50	1	03/16/2015 21:21

Surrogates	REC (%)	Limits	
aaa-TFT_2	104	70-130	03/16/2015 21:21

Analyst(s): IA

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	3/14/15-3/17/15	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-3	1503543-009A	Water	03/12/2015 18:17	GC3	102394

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH(g)	**5300**	110	500	10	03/17/2015 19:45
MTBE	---	3.6	50	10	03/17/2015 19:45
Benzene	---	0.70	5.0	10	03/17/2015 19:45
Toluene	---	1.4	5.0	10	03/17/2015 19:45
Ethylbenzene	---	0.70	5.0	10	03/17/2015 19:45
Xylenes	---	1.4	5.0	10	03/17/2015 19:45

Surrogates	REC (%)	Limits	
aaa-TFT_2	118	70-130	03/17/2015 19:45

Analyst(s): IA Analytical Comments: d1

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-5	1503543-010A	Water	03/13/2015 08:52	GC3	102394

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH(g)	**6200**	110	500	10	03/17/2015 17:45
MTBE	---	3.6	50	10	03/17/2015 17:45
Benzene	---	0.70	5.0	10	03/17/2015 17:45
Toluene	---	1.4	5.0	10	03/17/2015 17:45
Ethylbenzene	---	0.70	5.0	10	03/17/2015 17:45
Xylenes	---	1.4	5.0	10	03/17/2015 17:45

Surrogates	REC (%)	Limits	
aaa-TFT_2	108	70-130	03/17/2015 17:45

Analyst(s): IA Analytical Comments: d1

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW5030B
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	3/14/15-3/17/15	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
BC-3	**1503543-011A**	**Water**	**03/13/2015 10:18**	**GC3**	**102394**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH(g)	**22**	J	11	50	1	03/16/2015 23:21
MTBE	---		0.36	5.0	1	03/16/2015 23:21
Benzene	---		0.070	0.50	1	03/16/2015 23:21
Toluene	---		0.14	0.50	1	03/16/2015 23:21
Ethylbenzene	---		0.070	0.50	1	03/16/2015 23:21
Xylenes	---		0.14	0.50	1	03/16/2015 23:21

Surrogates	REC (%)	Limits	
aaa-TFT_2	104	70-130	03/16/2015 23:21

Analyst(s): IA

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-11	**1503543-012A**	**Water**	**03/13/2015 11:03**	**GC3**	**102394**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH(g)	**19**	J	11	50	1	03/17/2015 18:15
MTBE	---		0.36	5.0	1	03/17/2015 18:15
Benzene	---		0.070	0.50	1	03/17/2015 18:15
Toluene	---		0.14	0.50	1	03/17/2015 18:15
Ethylbenzene	---		0.070	0.50	1	03/17/2015 18:15
Xylenes	---		0.14	0.50	1	03/17/2015 18:15

Surrogates	REC (%)	Limits	
aaa-TFT_2	105	70-130	03/17/2015 18:15

Analyst(s): IA

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW3510C/3630C
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8015B
Date Prepared:	3/13/15	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
BC-1	1503543-001A	Water	03/12/2015 11:05	GC6B	102289

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**180**		24	50	1	03/16/2015 10:55
TPH-Motor Oil (C18-C36)	ND		65	250	1	03/16/2015 10:55

Surrogates	REC (%)	Limits	
C9	96	70-130	03/16/2015 10:55

Analyst(s): TK Analytical Comments: e4,e2

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-8	1503543-002A	Water	03/12/2015 12:35	GC6B	102289

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**94**		24	50	1	03/16/2015 12:07
TPH-Motor Oil (C18-C36)	ND		65	250	1	03/16/2015 12:07

Surrogates	REC (%)	Limits	
C9	95	70-130	03/16/2015 12:07

Analyst(s): TK Analytical Comments: e4

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-9	1503543-003A	Water	03/12/2015 13:12	GC6B	102289

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**25**	J	24	50	1	03/16/2015 13:20
TPH-Motor Oil (C18-C36)	**83**	J	65	250	1	03/16/2015 13:20

Surrogates	REC (%)	Limits	
C9	96	70-130	03/16/2015 13:20

Analyst(s): TK Analytical Comments: e7,e2

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW3510C/3630C
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8015B
Date Prepared:	3/13/15	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-1	1503543-004A	Water	03/12/2015 14:46	GC6B	102289

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**370**		24	50	1	03/16/2015 14:32
TPH-Motor Oil (C18-C36)	ND		65	250	1	03/16/2015 14:32

Surrogates	REC (%)	Limits	
C9	96	70-130	03/16/2015 14:32

Analyst(s): TK Analytical Comments: e4

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-4	1503543-005A	Water	03/12/2015 15:32	GC6B	102289

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND		24	50	1	03/16/2015 15:45
TPH-Motor Oil (C18-C36)	**77**	J	65	250	1	03/16/2015 15:45

Surrogates	REC (%)	Limits	
C9	96	70-130	03/16/2015 15:45

Analyst(s): TK Analytical Comments: e7

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-2	1503543-006A	Water	03/12/2015 16:10	GC6B	102289

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**830**		24	50	1	03/16/2015 16:56
TPH-Motor Oil (C18-C36)	**96**	J	65	250	1	03/16/2015 16:56

Surrogates	REC (%)	Limits	
C9	93	70-130	03/16/2015 16:56

Analyst(s): TK Analytical Comments: e4,e7

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW3510C/3630C
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8015B
Date Prepared:	3/13/15	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-6	1503543-007A	Water	03/12/2015 16:47	GC6B	102289

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND		24	50	1	03/16/2015 18:08
TPH-Motor Oil (C18-C36)	**74**	J	65	250	1	03/16/2015 18:08

Surrogates	REC (%)	Limits	
C9	95	70-130	03/16/2015 18:08

Analyst(s): TK Analytical Comments: e7

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-7	1503543-008A	Water	03/12/2015 17:39	GC6A	102289

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	24	50	1	03/16/2015 18:08
TPH-Motor Oil (C18-C36)	ND	65	250	1	03/16/2015 18:08

Surrogates	REC (%)	Limits	
C9	72	70-130	03/16/2015 18:08

Analyst(s): TK

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-3	1503543-009A	Water	03/12/2015 18:17	GC6A	102289

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**630**	24	50	1	03/16/2015 16:56
TPH-Motor Oil (C18-C36)	ND	65	250	1	03/16/2015 16:56

Surrogates	REC (%)	Limits	
C9	72	70-130	03/16/2015 16:56

Analyst(s): TK Analytical Comments: e4

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Project:	#1379; GLI-Oakland	**Extraction Method:**	SW3510C/3630C
Date Received:	3/13/15 13:50	**Analytical Method:**	SW8015B
Date Prepared:	3/13/15	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-5	1503543-010A	Water	03/13/2015 08:52	GC6A	102289

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**750**		24	50	1	03/16/2015 15:45
TPH-Motor Oil (C18-C36)	**91**	J	65	250	1	03/16/2015 15:45

Surrogates	REC (%)	Limits	
C9	71	70-130	03/16/2015 15:45

Analyst(s): TK Analytical Comments: e4,e3

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
BC-3	1503543-011A	Water	03/13/2015 10:18	GC6A	102289

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	24	50	1	03/16/2015 14:32
TPH-Motor Oil (C18-C36)	ND	65	250	1	03/16/2015 14:32

Surrogates	REC (%)	Limits	
C9	72	70-130	03/16/2015 14:32

Analyst(s): TK

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
ES-11	1503543-012A	Water	03/13/2015 11:03	GC6A	102289

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	24	50	1	03/16/2015 13:20
TPH-Motor Oil (C18-C36)	ND	65	250	1	03/16/2015 13:20

Surrogates	REC (%)	Limits	
C9	72	70-130	03/16/2015 13:20

Analyst(s): TK

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Quality Control Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Date Prepared:	3/14/15	**BatchID:**	102333
Date Analyzed:	3/14/15	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#1379; GLI-Oakland	**Sample ID:**	MB/LCS-102333 1503404-001BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	5.34,J	-	1.7	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	9.05	0.22	0.50	10	-	90	54-140
Benzene	0.0612,J	9.20	0.051	0.50	10	-	91	47-158
Bromobenzene	ND	-	0.060	0.50	-	-	-	-
Bromochloromethane	ND	-	0.090	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.20	0.50	-	-	-	-
Bromoform	ND	-	0.066	0.50	-	-	-	-
Bromomethane	ND	-	0.16	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	0.49	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	31.0	0.94	2.0	40	-	78	42-140
n-Butyl benzene	ND	-	0.084	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.060	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.050	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.066	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.069	0.50	-	-	-	-
Chlorobenzene	ND	9.67	0.050	0.50	10	-	97	43-157
Chloroethane	ND	-	0.31	0.50	-	-	-	-
Chloroform	0.0716,J	-	0.064	0.50	-	-	-	-
Chloromethane	ND	-	0.13	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.070	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.070	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.080	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.12	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	9.22	0.12	0.50	10	-	92	44-155
Dibromomethane	ND	-	0.080	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.080	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.071	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.072	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.063	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.060	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	0.0946,J	9.26	0.090	0.50	10	-	92	66-125
1,1-Dichloroethene	ND	9.79	0.086	0.50	10	-	98	47-149
cis-1,2-Dichloroethene	0.109,J	-	0.050	0.50	-	-	-	-
trans-1,2-Dichloroethene	0.114,J	-	0.060	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.055	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.10	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.10	0.50	-	-	-	-
1,1-Dichloropropene	0.0620,J	-	0.060	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.090	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.070	0.50	-	-	-	-

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

Quality Control Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Date Prepared:	3/14/15	**BatchID:**	102333
Date Analyzed:	3/14/15	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#1379; GLI-Oakland	**Sample ID:**	MB/LCS-102333 1503404-001BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	9.52	0.070	0.50	10	-	95	57-136
Ethanol	ND	-	22	50	-	-	-	-
Ethylbenzene	ND	-	0.050	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	9.34	0.070	0.50	10	-	93	55-137
Freon 113	ND	-	0.066	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.085	0.50	-	-	-	-
Hexachloroethane	ND	-	0.060	0.50	-	-	-	-
2-Hexanone	ND	-	0.44	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.070	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.050	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	9.28	0.10	0.50	10	-	93	53-139
Methylene chloride	0.109,J	-	0.052	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.24	0.50	-	-	-	-
Naphthalene	ND	-	0.16	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.060	0.50	-	-	-	-
Styrene	ND	-	0.060	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.070	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.11	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.082	0.50	-	-	-	-
Toluene	ND	9.20	0.040	0.50	10	-	92	52-137
1,2,3-Trichlorobenzene	ND	-	0.11	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.086	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.050	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.080	0.50	-	-	-	-
Trichloroethene	0.0742,J	9.50	0.060	0.50	10	-	94	43-157
Trichlorofluoromethane	ND	-	0.047	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.14	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.065	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.070	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.070	0.50	-	-	-	-
Xylenes, Total	ND	-	0.25	0.50	-	-	-	-
Surrogate Recovery								
Dibromofluoromethane	25.2	26.0			25	101	104	65-135
Toluene-d8	24.4	24.6			25	98	99	64-112
4-BFB	2.24	2.20			2.5	90	88	59-139

(Cont.)

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Quality Control Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Date Prepared:	3/14/15	**BatchID:**	102333
Date Analyzed:	3/14/15	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#1379; GLI-Oakland	**Sample ID:**	MB/LCS-102333 1503404-001BMS/MSD

QC Summary Report for SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	8.84	9.73	10	ND	88	97	69-139	9.58	20
Benzene	8.96	9.15	10	ND	90	91	69-141	2.05	20
t-Butyl alcohol (TBA)	30.5	34.7	40	ND	76	87	41-152	12.9	20
Chlorobenzene	9.65	9.47	10	ND	97	95	77-120	1.94	20
1,2-Dibromoethane (EDB)	9.39	9.44	10	ND	94	94	76-135	0	20
1,2-Dichloroethane (1,2-DCA)	8.87	9.55	10	ND	89	96	73-139	7.45	20
1,1-Dichloroethene	9.19	9.67	10	ND	92	97	59-140	5.10	20
Diisopropyl ether (DIPE)	9.24	9.89	10	ND	92	99	72-140	6.85	20
Ethyl tert-butyl ether (ETBE)	8.91	9.82	10	ND	89	98	71-140	9.76	20
Methyl-t-butyl ether (MTBE)	8.98	9.93	10	ND	90	99	73-139	10.0	20
Toluene	9.08	8.93	10	ND	91	89	71-128	1.72	20
Trichloroethene	9.32	9.48	10	ND	93	95	64-132	1.64	20
Surrogate Recovery									
Dibromofluoromethane	26.1	26.6	25		104	107	80-124	2.13	20
Toluene-d8	24.4	24.1	25		98	96	75-110	1.22	20
4-BFB	2.15	2.19	2.5		86	88	69-114	1.60	20

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Quality Control Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Date Prepared:	3/19/15	**BatchID:**	102520
Date Analyzed:	3/19/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#1379; GLI-Oakland	**Sample ID:**	MB/LCS-102520

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	2.08,J	-	1.7	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	8.36	0.22	0.50	10	-	84	54-140
Benzene	ND	9.25	0.051	0.50	10	-	93	47-158
Bromobenzene	ND	-	0.060	0.50	-	-	-	-
Bromochloromethane	ND	-	0.090	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.20	0.50	-	-	-	-
Bromoform	ND	-	0.066	0.50	-	-	-	-
Bromomethane	ND	-	0.16	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	0.49	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	14.5	0.94	2.0	40	-	36, F2	42-140
n-Butyl benzene	ND	-	0.084	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.060	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.050	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.066	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.069	0.50	-	-	-	-
Chlorobenzene	ND	8.40	0.050	0.50	10	-	84	43-157
Chloroethane	ND	-	0.31	0.50	-	-	-	-
Chloroform	ND	-	0.064	0.50	-	-	-	-
Chloromethane	ND	-	0.13	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.070	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.070	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.080	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.12	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	8.62	0.12	0.50	10	-	86	44-155
Dibromomethane	ND	-	0.080	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.080	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.071	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.072	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.063	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.060	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	8.80	0.090	0.50	10	-	88	66-125
1,1-Dichloroethene	ND	8.86	0.086	0.50	10	-	89	47-149
cis-1,2-Dichloroethene	ND	-	0.050	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.060	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.055	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.10	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.10	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.060	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.090	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.070	0.50	-	-	-	-

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Quality Control Report

Client:	Green Star Environmental	**WorkOrder:**	1503543
Date Prepared:	3/19/15	**BatchID:**	102520
Date Analyzed:	3/19/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#1379; GLI-Oakland	**Sample ID:**	MB/LCS-102520

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	9.49	0.070	0.50	10	-	95	57-136
Ethanol	ND	-	22	50	-	-	-	-
Ethylbenzene	ND	-	0.050	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	9.15	0.070	0.50	10	-	92	55-137
Freon 113	ND	-	0.066	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.085	0.50	-	-	-	-
Hexachloroethane	ND	-	0.060	0.50	-	-	-	-
2-Hexanone	ND	-	0.44	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.070	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.050	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	8.43	0.10	0.50	10	-	84	53-139
Methylene chloride	ND	-	0.052	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.24	0.50	-	-	-	-
Naphthalene	ND	-	0.16	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.060	0.50	-	-	-	-
Styrene	ND	-	0.060	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.070	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.11	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.082	0.50	-	-	-	-
Toluene	ND	8.77	0.040	0.50	10	-	88	52-137
1,2,3-Trichlorobenzene	ND	-	0.11	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.086	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.050	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.080	0.50	-	-	-	-
Trichloroethene	ND	8.70	0.060	0.50	10	-	87	43-157
Trichlorofluoromethane	ND	-	0.047	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.14	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.065	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.070	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.070	0.50	-	-	-	-
Xylenes, Total	ND	-	0.25	0.50	-	-	-	-
Surrogate Recovery								
Dibromofluoromethane	22.1	23.0			25	89	92	65-135
Toluene-d8	22.8	23.7			25	91	95	64-112
4-BFB	2.11	2.09			2.5	85	84	59-139

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Quality Control Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Date Prepared:	3/13/15	**BatchID:**	102323
Date Analyzed:	3/13/15	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	#1379; GLI-Oakland	**Sample ID:**	MB/LCS-102323 1503445-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	65.2	40	40	60	-	109	70-130
MTBE	ND	10.2	0.36	5.0	10	-	102	70-130
Benzene	ND	10.1	0.070	0.50	10	-	101	70-130
Toluene	ND	10.3	0.14	0.50	10	-	103	70-130
Ethylbenzene	ND	10.4	0.070	0.50	10	-	104	70-130
Xylenes	0.167,J	31.6	0.14	0.50	30	-	105	70-130
Surrogate Recovery								
aaa-TFT_2	9.84	9.83			10	98	98	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	67.4	64.0	60	ND	112	107	70-130	5.07	20
MTBE	10.2	9.20	10	ND	102	92	70-130	10.1	20
Benzene	10.0	9.70	10	ND	100	97	70-130	3.04	20
Toluene	10.2	10.1	10	ND	102	101	70-130	1.10	20
Ethylbenzene	10.6	10.3	10	ND	106	103	70-130	2.44	20
Xylenes	31.9	31.0	30	ND	106	103	70-130	3.06	20
Surrogate Recovery									
aaa-TFT_2	9.62	9.72	10		96	97	70-130	1.09	20

(Cont.)

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Quality Control Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Date Prepared:	3/16/15	**BatchID:**	102394
Date Analyzed:	3/16/15	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	#1379; GLI-Oakland	**Sample ID:**	MB/LCS-102394 1503564-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	64.0	40	40	60	-	107	70-130
MTBE	ND	10.9	0.36	5.0	10	-	109	70-130
Benzene	ND	11.2	0.070	0.50	10	-	112	70-130
Toluene	ND	11.5	0.14	0.50	10	-	115	70-130
Ethylbenzene	ND	11.6	0.070	0.50	10	-	116	70-130
Xylenes	ND	35.4	0.14	0.50	30	-	118	70-130
Surrogate Recovery								
aaa-TFT_2	11.1	10.4			10	111	104	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	61.8	64.1	60	ND	103	107	70-130	3.61	20
MTBE	12.7	13.6	10	ND	93	102	70-130	7.17	20
Benzene	9.98	10.8	10	ND	99	107	70-130	7.51	20
Toluene	10.3	11.0	10	ND	103	110	70-130	6.61	20
Ethylbenzene	10.3	11.1	10	ND	103	111	70-130	6.76	20
Xylenes	31.3	33.2	30	ND	104	111	70-130	6.03	20
Surrogate Recovery									
aaa-TFT_2	9.95	10.1	10		99	101	70-130	1.73	20

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Quality Control Report

Client:	Greenstar Environmental	**WorkOrder:**	1503543
Date Prepared:	3/13/15	**BatchID:**	102289
Date Analyzed:	3/13/15	**Extraction Method:**	SW3510C/3630C
Instrument:	GC2A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	#1379; GLI-Oakland	**Sample ID:**	MB/LCS-102289

QC Summary Report for SW8015B

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	984	24	50	1000	-	98	59-151
TPH-Motor Oil (C18-C36)	ND	-	65	250	-	-	-	-
Surrogate Recovery								
C9	697	696			625	111	111	77-130

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1503543 **ClientCode: GSET**

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Report to:
Terrance A. Harriman
Green Star Environmental
354 McDonnell Street, Suite 9
Lewisville, TX 75057
(214) 222-8752 FAX: (214) 222-8752

Email: taharriman@greenstarenvironmental.com
cc/3rd Party:
PO: 5200
ProjectNo: #1379; GLI-Oakland

Bill to:
Patricia Cardenas
Green Star Environmental
P.O Box 13482
Arlington, TX 76094-0482
greenstar@greenstarenvironmental.com

Requested TAT: 5 days

Date Received: **03/13/2015**
Date Printed: **03/20/2015**

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
1503543-001	BC-1	Water	3/12/2015 11:05	☐	B	A	A	A								
1503543-002	ES-8	Water	3/12/2015 12:35	☐	B	A		A								
1503543-003	ES-9	Water	3/12/2015 13:12	☐	B	A		A								
1503543-004	ES-1	Water	3/12/2015 14:46	☐	B	A		A								
1503543-005	ES-4	Water	3/12/2015 15:32	☐	B	A		A								
1503543-006	ES-2	Water	3/12/2015 16:10	☐	B	A		A								
1503543-007	ES-6	Water	3/12/2015 16:47	☐	B	A		A								
1503543-008	ES-7	Water	3/12/2015 17:39	☐	B	A		A								
1503543-009	ES-3	Water	3/12/2015 18:17	☐	B	A		A								
1503543-010	ES-5	Water	3/13/2015 8:52	☐	B	A		A								
1503543-011	BC-3	Water	3/13/2015 10:18	☐	B	A		A								
1503543-012	ES-11	Water	3/13/2015 11:03	☐	B	A		A								
1503543-013	Trip Blank	Water	3/13/2015	☐	A											

Test Legend:

1	8260VOC_W	2	G-MBTEX_W	3	PREDF REPORT	4	TPH(DMO)WSG_W	5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A contain testgroup.

Prepared by: Maria 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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WORK ORDER SUMMARY

Client Name: GREEN STAR ENVIRONMENTAL
Project: #1379; GLI-Oakland
Comments:

QC Level:
Client Contact: Terrance A. Harriman
Contact's Email: taharriman@greenstarenvironmental.com

Work Order: 1503543
Date Received: 3/13/2015

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

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1503543-001A	BC-1	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	3/12/2015 11:05	5 days	Present	☐	
1503543-001B	BC-1	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/12/2015 11:05	5 days	Present	☐	
1503543-002A	ES-8	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	3/12/2015 12:35	5 days	Present	☐	
1503543-002B	ES-8	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/12/2015 12:35	5 days	Present	☐	
1503543-003A	ES-9	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	3/12/2015 13:12	5 days	Present	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: GREEN STAR ENVIRONMENTAL
Project: #1379; GLI-Oakland
Comments:

QC Level:
Client Contact: Terrance A. Harriman
Contact's Email: taharriman@greenstarenvironmental.com

Work Order: 1503543
Date Received: 3/13/2015

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

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1503543-003B	ES-9	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/12/2015 13:12	5 days	Present	☐	
1503543-004A	ES-1	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	3/12/2015 14:46	5 days	Present	☐	
1503543-004B	ES-1	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/12/2015 14:46	5 days	Present	☐	
1503543-005A	ES-4	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	3/12/2015 15:32	5 days	Present	☐	
1503543-005B	ES-4	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/12/2015 15:32	5 days	Present	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: GREEN STAR ENVIRONMENTAL
Project: #1379; GLI-Oakland
Comments:

QC Level:
Client Contact: Terrance A. Harriman
Contact's Email: taharriman@greenstarenvironmental.com

Work Order: 1503543
Date Received: 3/13/2015

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

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1503543-006A	ES-2	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	3/12/2015 16:10	5 days	Present	☐	
1503543-006B	ES-2	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/12/2015 16:10	5 days	Present	☐	
1503543-007A	ES-6	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	3/12/2015 16:47	5 days	Present	☐	
1503543-007B	ES-6	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/12/2015 16:47	5 days	Present	☐	
1503543-008A	ES-7	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	3/12/2015 17:39	5 days	Present	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: GREEN STAR ENVIRONMENTAL
Project: #1379; GLI-Oakland
Comments:

QC Level:
Client Contact: Terrance A. Harriman
Contact's Email: taharriman@greenstarenvironmental.com

Work Order: 1503543
Date Received: 3/13/2015

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

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1503543-008B	ES-7	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/12/2015 17:39	5 days	Present	☐	
1503543-009A	ES-3	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	3/12/2015 18:17	5 days	Present	☐	
1503543-009B	ES-3	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/12/2015 18:17	5 days	Present	☐	
1503543-010A	ES-5	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	3/13/2015 8:52	5 days	Present	☐	
1503543-010B	ES-5	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/13/2015 8:52	5 days	Present	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: GREEN STAR ENVIRONMENTAL
Project: #1379; GLI-Oakland
Comments:

QC Level:
Client Contact: Terrance A. Harriman
Contact's Email: taharriman@greenstarenvironmental.com

Work Order: 1503543
Date Received: 3/13/2015

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

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1503543-011A	BC-3	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	3/13/2015 10:18	5 days	None	☐	
1503543-011B	BC-3	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/13/2015 10:18	5 days	None	☐	
1503543-012A	ES-11	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	3/13/2015 11:03	5 days	Present	☐	
1503543-012B	ES-11	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/13/2015 11:03	5 days	Present	☐	
1503543-013A	Trip Blank	Water	SW8260B (VOCs) <1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA), Benzene, Diisopropyl ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Methyl-t-butyl ether (MTBE), t-Butyl alcohol (TBA), tert-Amyl methyl ether	2	VOA w/ HCl	☐	3/13/2015	5 days	None	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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1503543

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www.mccampbell.com / main@mccampbell.com
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CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY ☐ 10 DAY ☒

GeoTracker EDF ☒ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐

Effluent Sample Requiring "J" flag ☐ **UST Clean Up Fund Project** ☐ **; Claim #**______

Report To: Terrance Harriman **Bill To:**
Company: Green Star Environmental
354 McDonnell Street, Suite 9, Lewisville, TX 75057
tzharriman@greenstarenvironmental.com **E-Mail:**
Tele: (214) 222-8752 **Fax:** (214) 222-8762
Project #: 1379 **Project Name:** GLI - Oakland
Project Location: 2103 San Pablo Ave. Oakland, CA **Purchase Order#** 5200 / Quote #: 4588
Sampler Signature: [signature]

SAMPLE ID	Location/ Field Point Name	Sampling Date	Sampling Time	# Containers	Matrix: Ground Water	Waste Water	Drinking Water	Sea \ Water	Soil	Air	Sludge	Other	Method Preserved: HCL	HNO_3	Other
BC-1		3-12-15	11:05	6	✓								4		2
ES-8		↓	12:35	↓	✓								4		2
ES-9			13:12		✓								4		2
ES-1			14:46		✓								4		2
ES-4			15:32		✓								4		2
ES-2			16:10		✓								4		2
ES-6			16:47		✓								4		2
ES-7			17:34		✓								4		2
ES-3		3-12-15	18:17		✓								4		2
ES-5		3-13-15	8:52		✓								4		2
BC-3		3-13-15	10:18	6	✓								4		2

Analysis Request

SAMPLE ID	BTEX & TPH as Gas (8021/ 8015 or 8260) / MTBE	TPH as Diesel (8015) (Silica Gel)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	MTBE / BTEX ONLY (EPA 8260/ 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs) (See attached List)	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)	Metals (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis	Hold	Please Report MDL and "J" flag		
BC-1	✓	✓								✓								✓		
ES-8	✓	✓								✓								✓		
ES-9	✓	✓								✓								✓		
ES-1	✓	✓								✓								✓		
ES-4	✓	✓								✓								✓		
ES-2	✓	✓								✓								✓		
ES-6	✓	✓								✓								✓		
ES-7	✓	✓								✓								✓		
ES-3	✓	✓								✓								✓		
ES-5	✓	✓								✓								✓		
BC-3	✓	✓								✓								✓		

**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:
[signature]	3-13-15	1215	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 3.6
GOOD CONDITION______
HEAD SPACE ABSENT______
DECHLORINATED IN LAB______
APPROPRIATE CONTAINERS______
PRESERVED IN LAB______

VOAS O&G METALS OTHER
PRESERVATION______________ pH<2______________

COMMENTS:

HAZARDOUS:

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 ☐ 10 DAY ☒

GeoTracker EDF ☒ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐

Effluent Sample Requiring "J" flag ☐ **UST Clean Up Fund Project** ☐ ; **Claim #**_____

Report To: Terrance Harriman **Bill To:**

Company: Green Star Environmental

354 McDonnell Street Suite 9, Lewisville, TX 75057

tharriman@greenstarenvironmental.com **E-Mail:**

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

Project #: 1379 **Project Name:** GLI - Oakland

Project Location: 2103 San Pablo Ave, Oakland, CA **Purchase Order#** 5200 / Quote #: 4588

Sampler Signature:

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea \ Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other
ES-11		3-13-15	11:03	6	✓								4		2
Trip Blank		Lab	Prepared												

Analysis Request

SAMPLE ID	BTEX & TPH as Gas (8021/8015 or 8260) / MTBE	TPH as Diesel (8015) (Silica Gel)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	MTBE / BTEX ONLY (EPA 8260/ 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs) (See Attached List)	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)	Metals (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis	Hold	Please Report MDL and "J" flag
ES-11	✓	✓								✓								✓
Trip Blank										✓							HOLD	

****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:
	3-13-15	1215	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

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

COMMENTS: added 3/19/15

VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION_____ pH<2_____

Requested Groundwater Testing (Quote # 4588):

- TPH (All ranges: Gasoline, Diesel, Oil) Via EPA Method 8015M
- The following VOCs via EPA Method 8260
  - BTEX
  - Naphthalene
  - MTBE
  - ETBE
  - TAME
  - DIPE
  - EDB
  - EDC
  - TBA
  - Ethanol

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

Sample Receipt Checklist

Client Name: **Green Star Environmental**
Date and Time Received: **3/13/2015 1:50:50 PM**
Project Name: **#1379; GLI-Oakland**
LogIn Reviewed by: Maria Venegas
WorkOrder №: **1503543** Matrix: Water
Carrier: Client Drop-In

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 ☐	
Sample/Temp Blank temperature	Temp: 3.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

UCMR3 Samples:

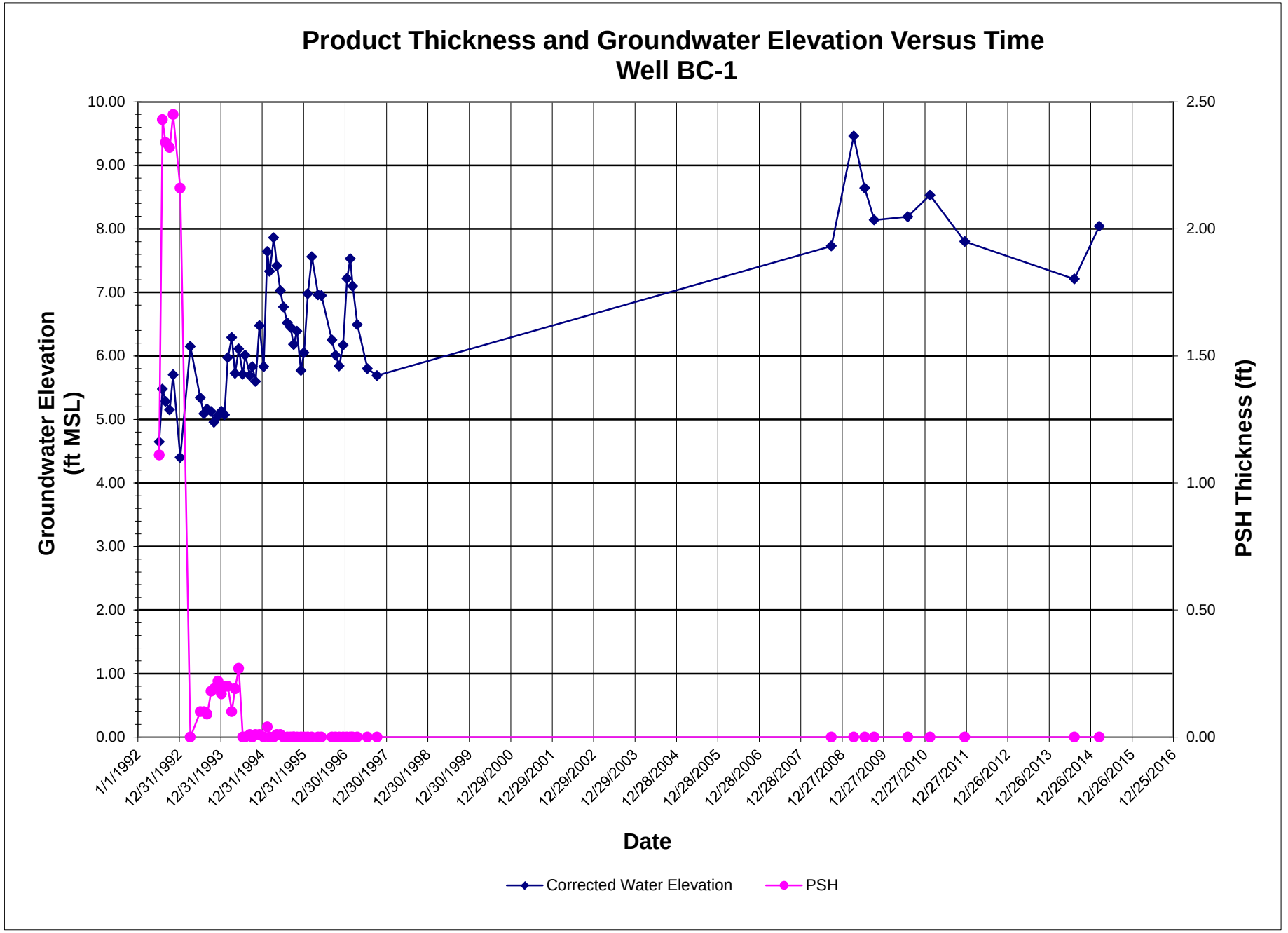
Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

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

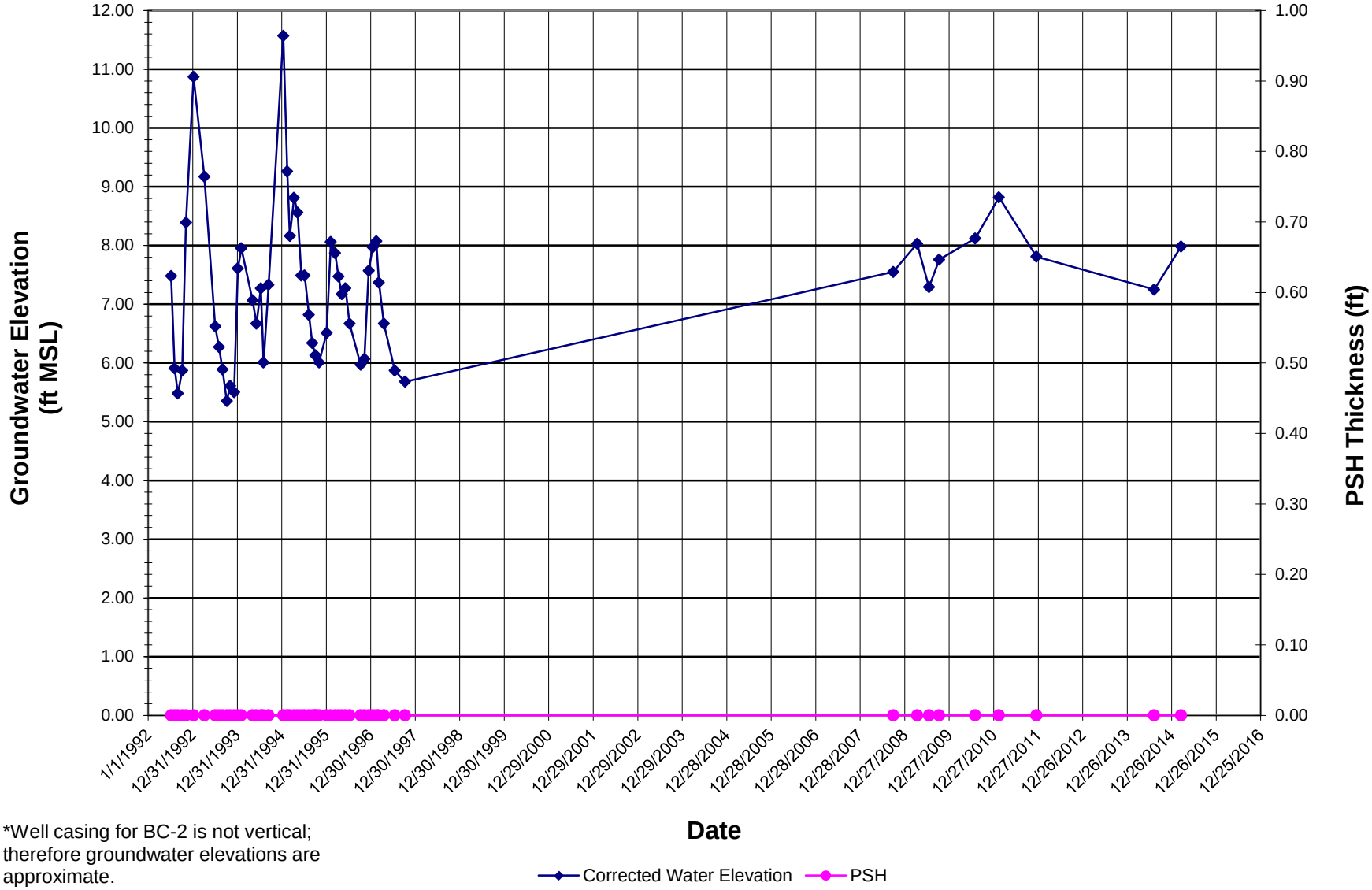
Comments:

APPENDIX B

PSH Thickness and Groundwater Elevation Graphs

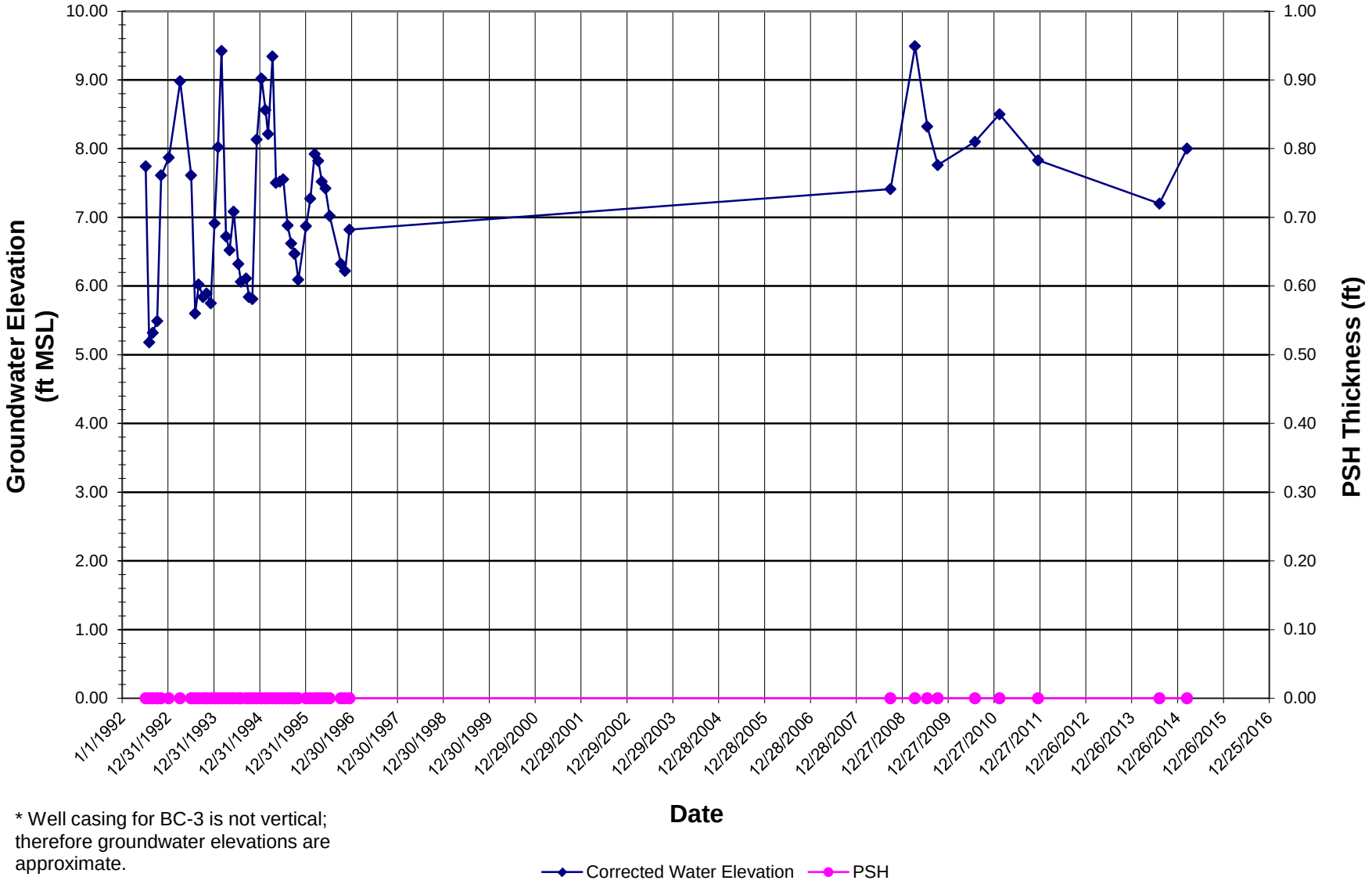

Product Thickness and Groundwater Elevation Versus Time
Well BC-1
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
12/29/2001
12/29/2002
12/29/2003
12/28/2004
12/28/2005
12/28/2006
12/28/2007
12/27/2008
12/27/2009
12/27/2010
12/27/2011
12/26/2012
12/26/2013
12/26/2014
12/26/2015
12/25/2016
Date
Corrected Water Elevation
PSH

Product Thickness and Approximate* Groundwater Elevation Versus Time
Well BC-2

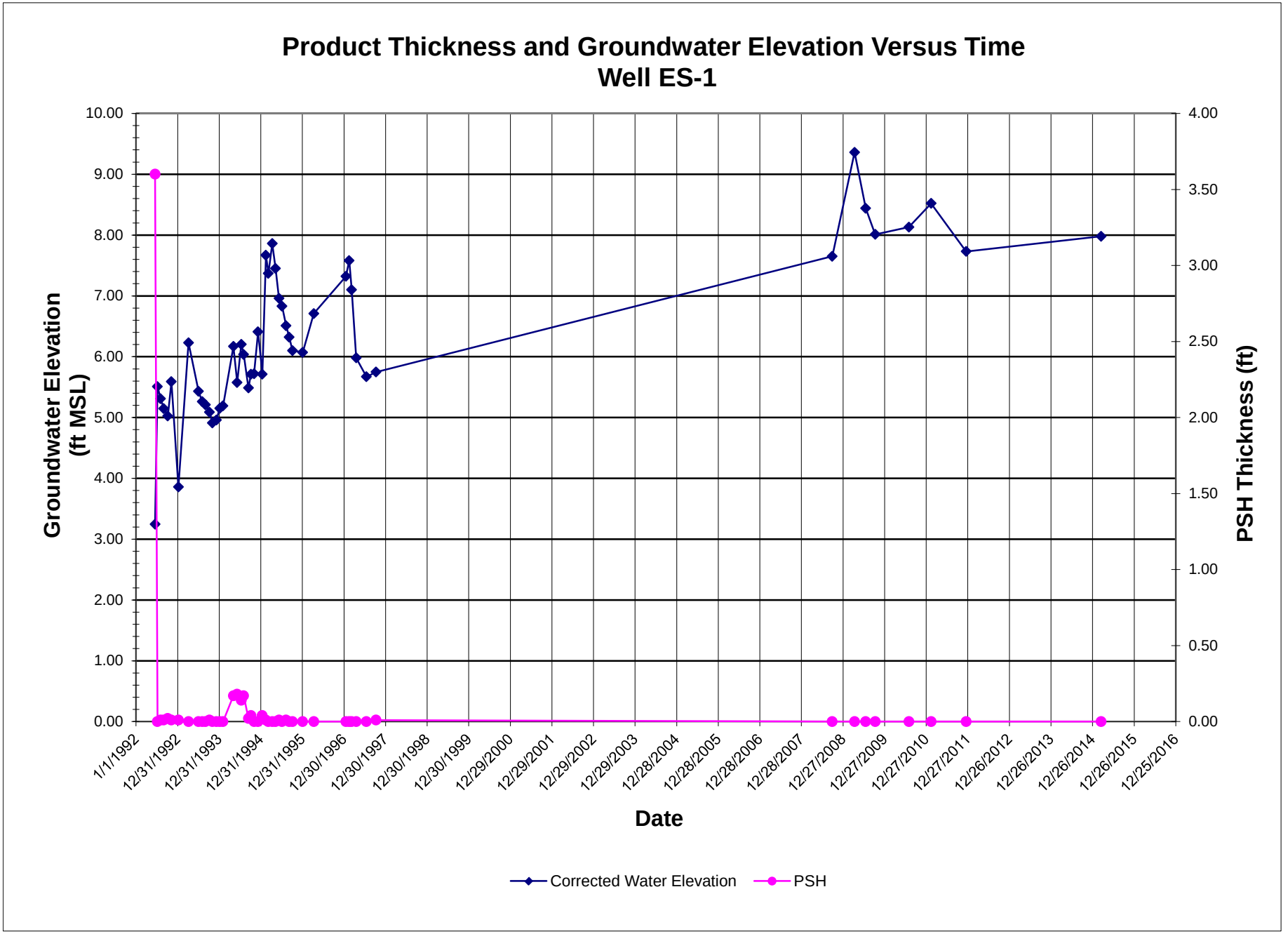


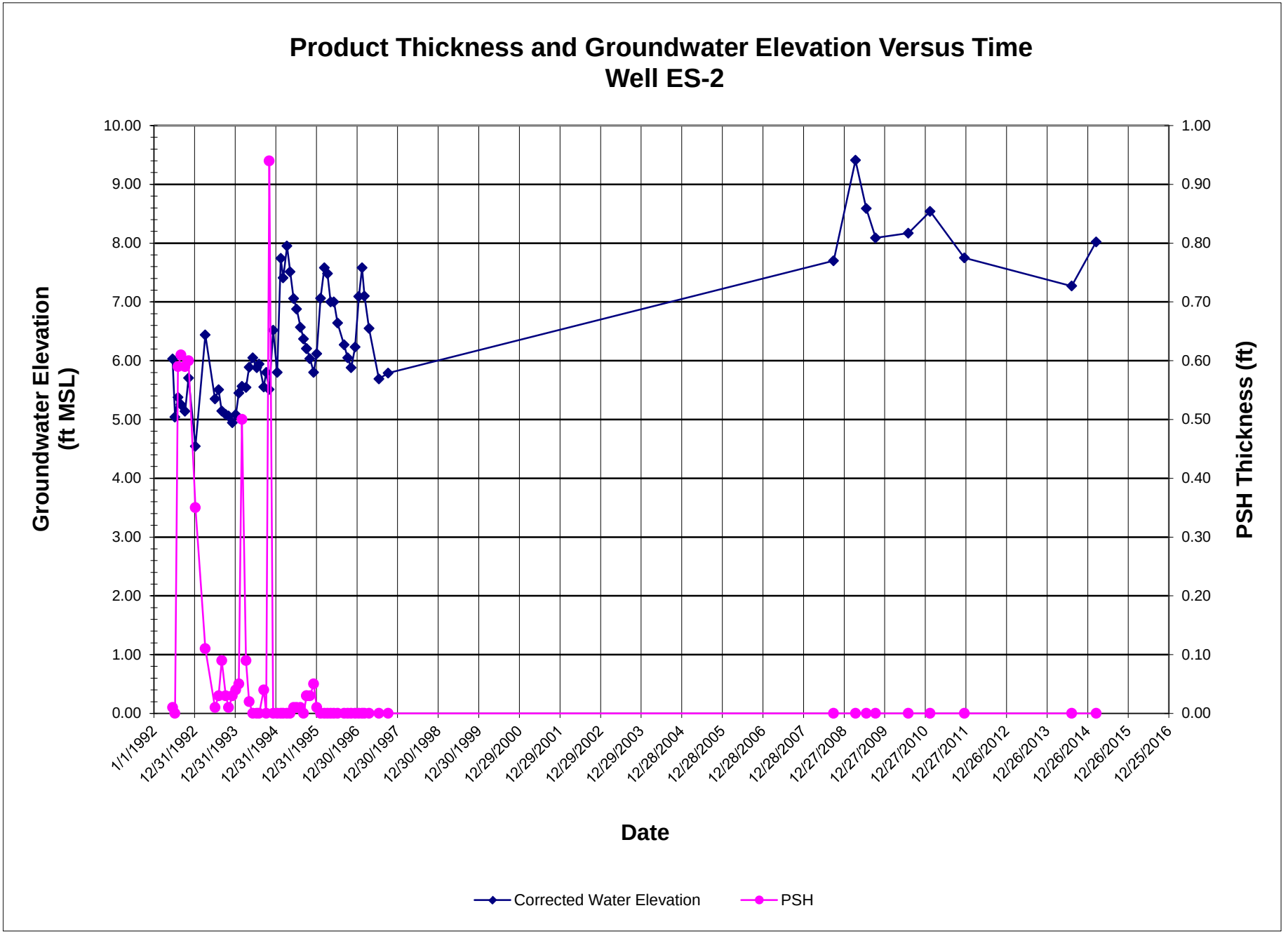
*Well casing for BC-2 is not vertical; therefore groundwater elevations are approximate.

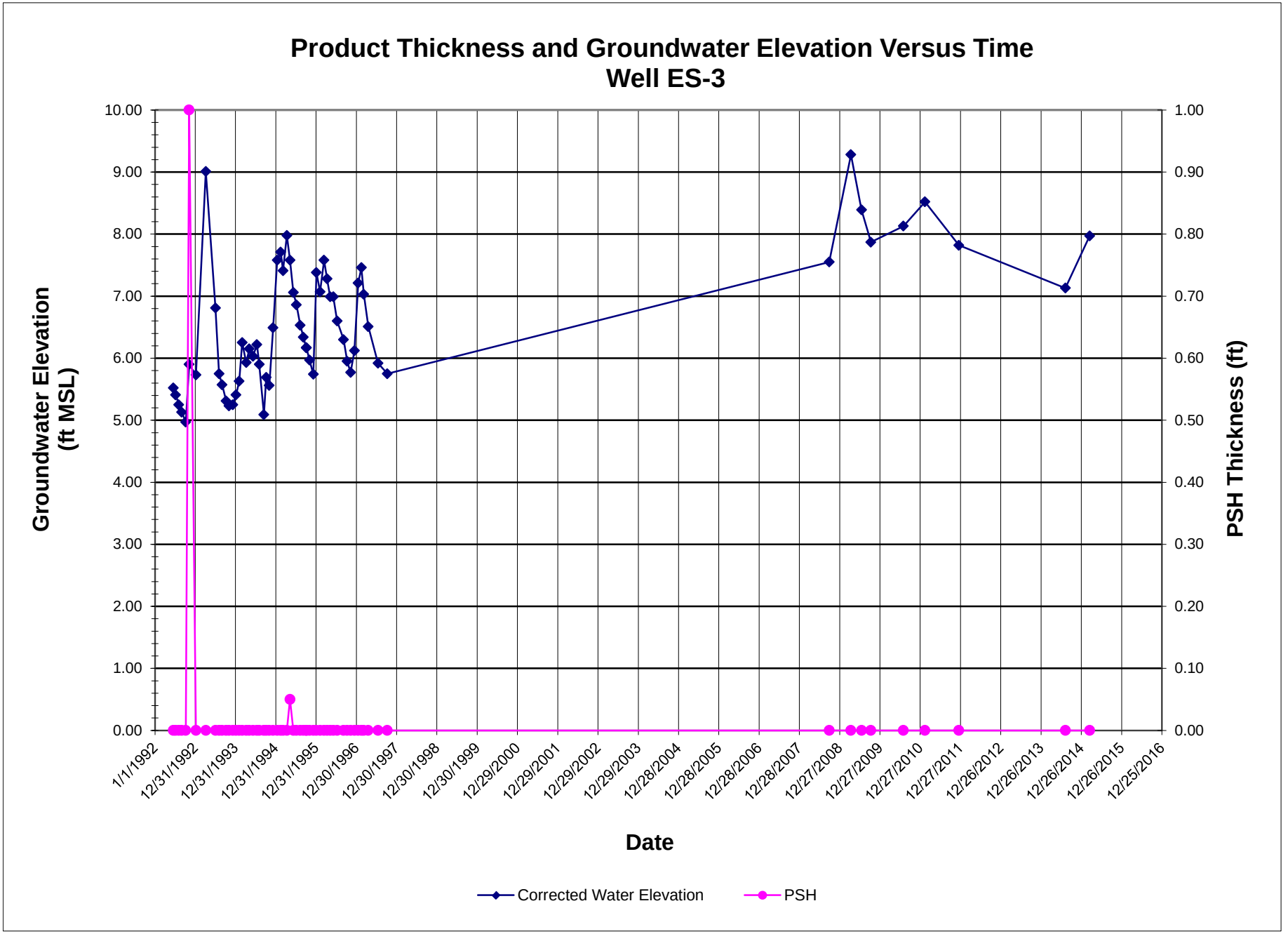
Product Thickness and Approximate* Groundwater Elevation Versus Time
Well BC-3

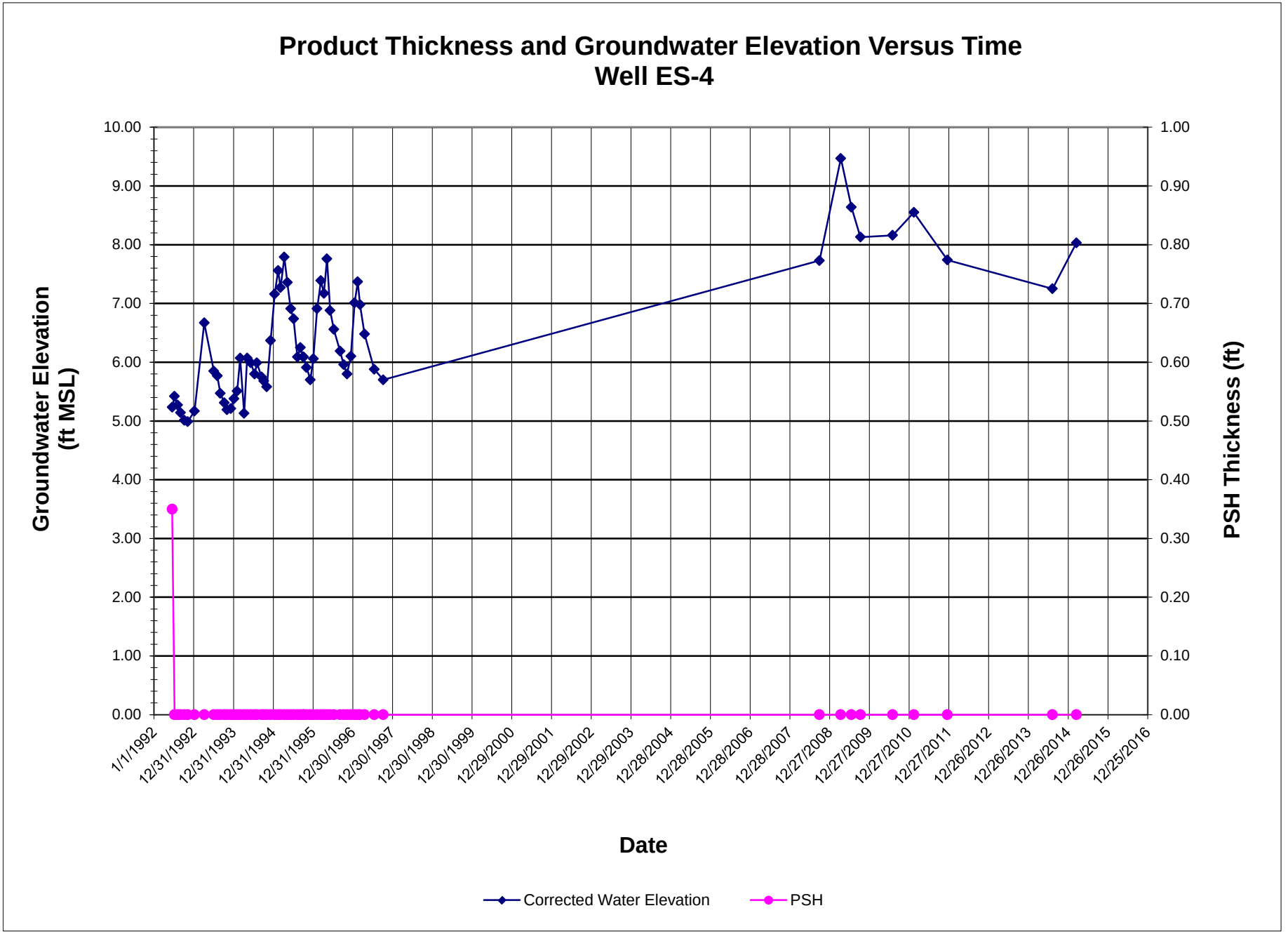


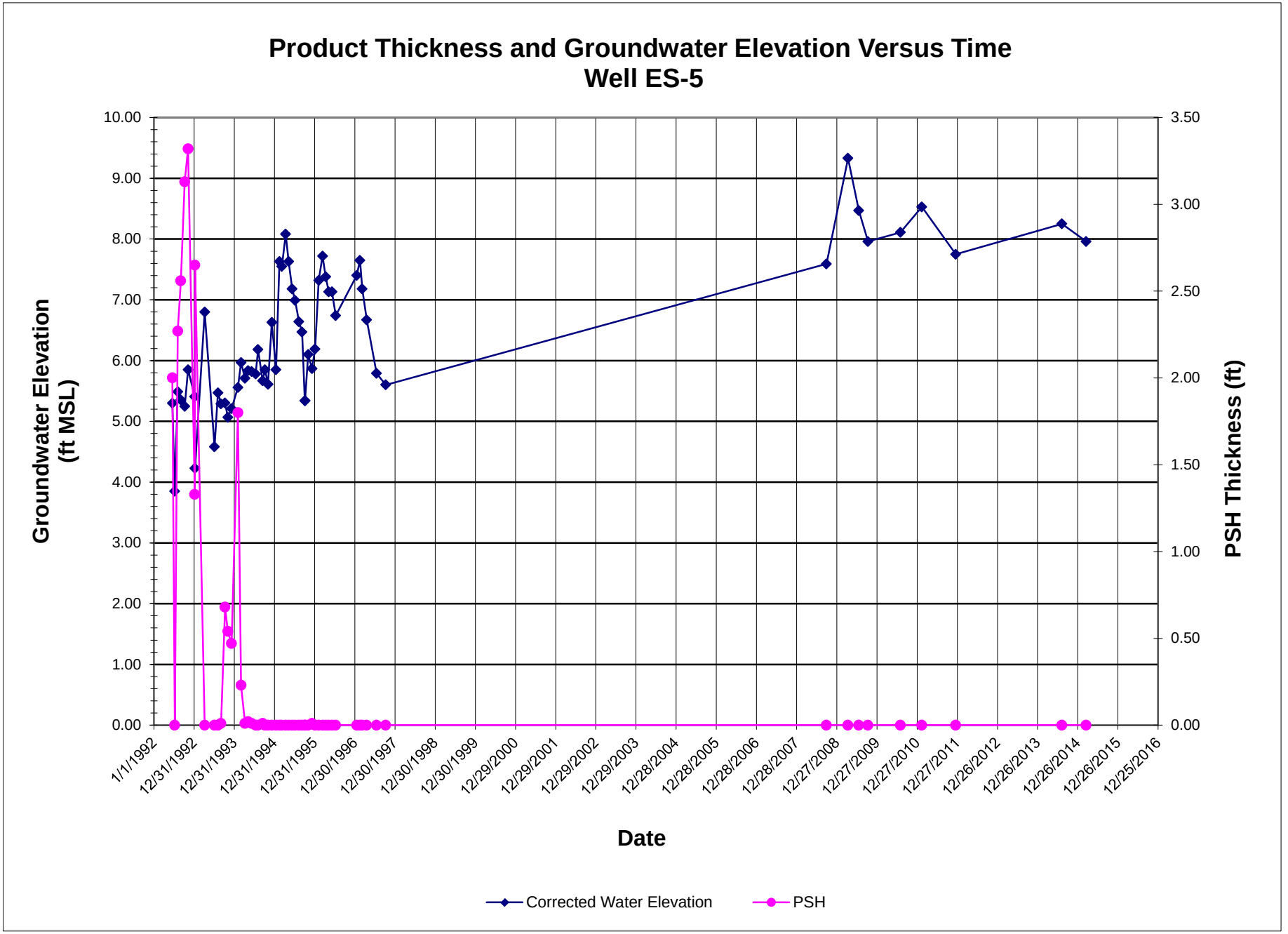
* Well casing for BC-3 is not vertical; therefore groundwater elevations are approximate.

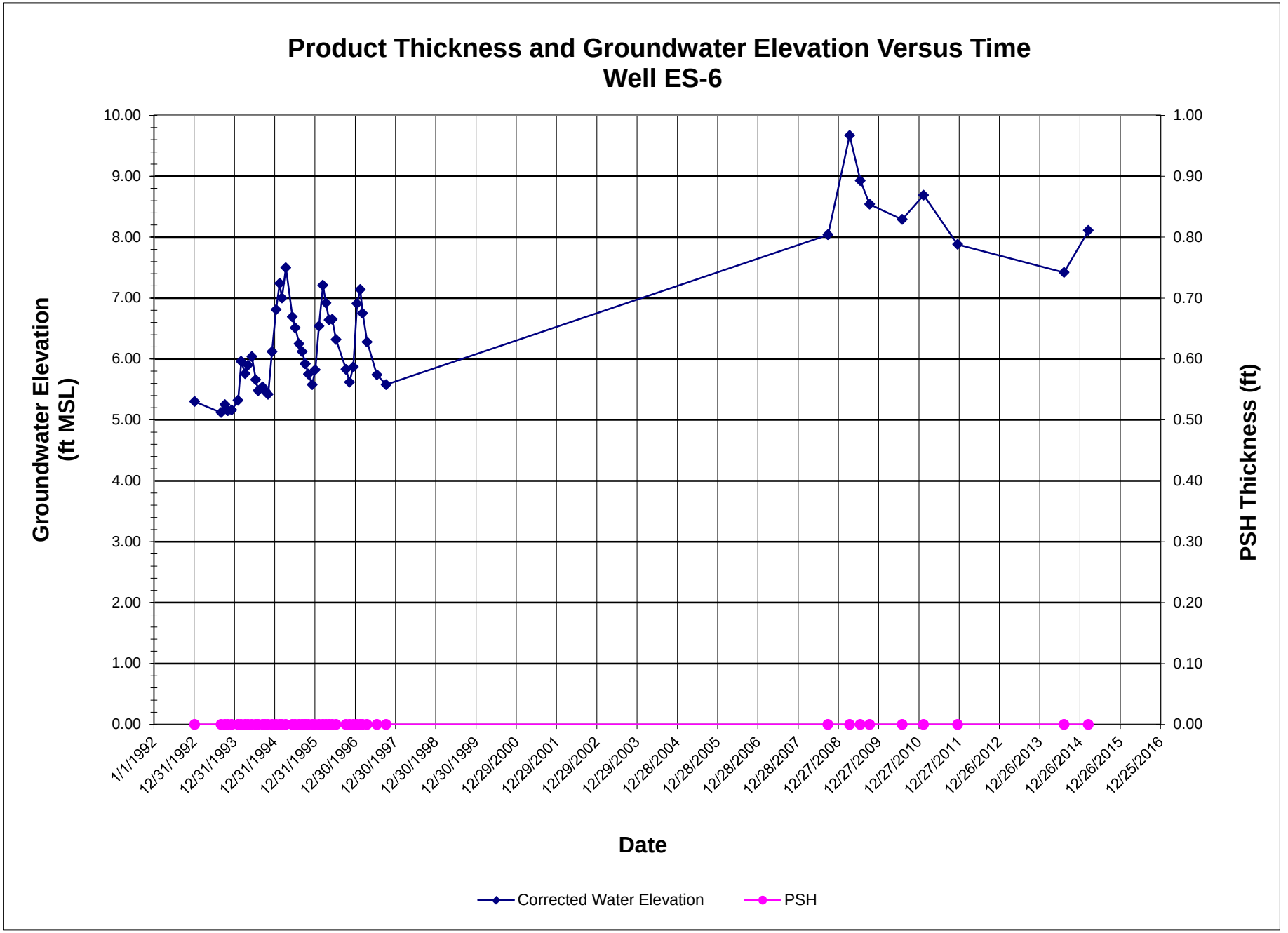

Product Thickness and Groundwater Elevation Versus Time
Well ES-1
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
Date
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
12/29/2001
12/29/2002
12/29/2003
12/28/2004
12/28/2005
12/28/2006
12/28/2007
12/27/2008
12/27/2009
12/27/2010
12/27/2011
12/26/2012
12/26/2013
12/26/2014
12/26/2015
12/25/2016
Corrected Water Elevation
PSH

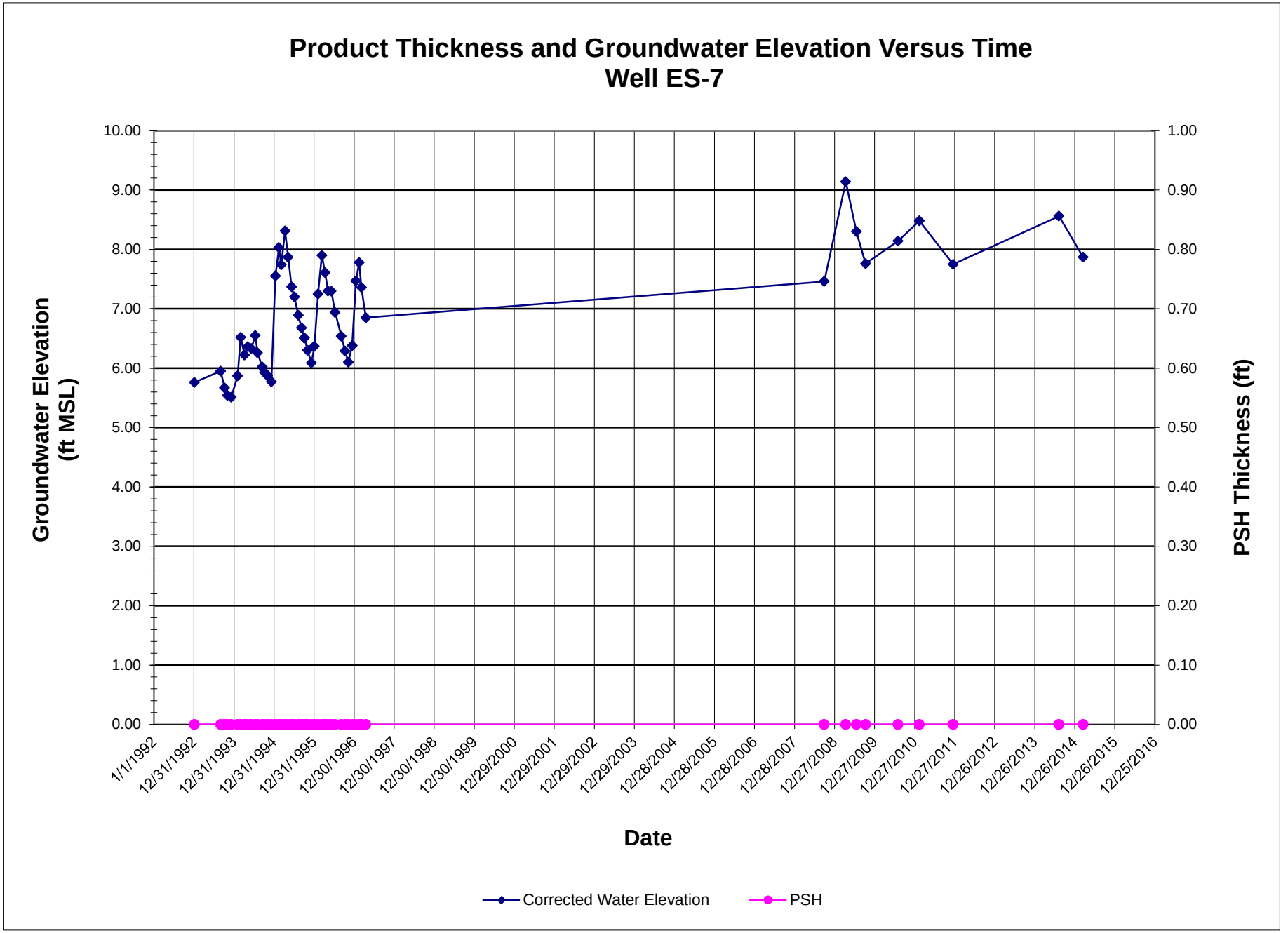

Product Thickness and Groundwater Elevation Versus Time
Well ES-2
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
12/29/2001
12/29/2002
12/29/2003
12/28/2004
12/28/2005
12/28/2006
12/28/2007
12/27/2008
12/27/2009
12/27/2010
12/27/2011
12/26/2012
12/26/2013
12/26/2014
12/26/2015
12/25/2016
Date
Corrected Water Elevation
PSH

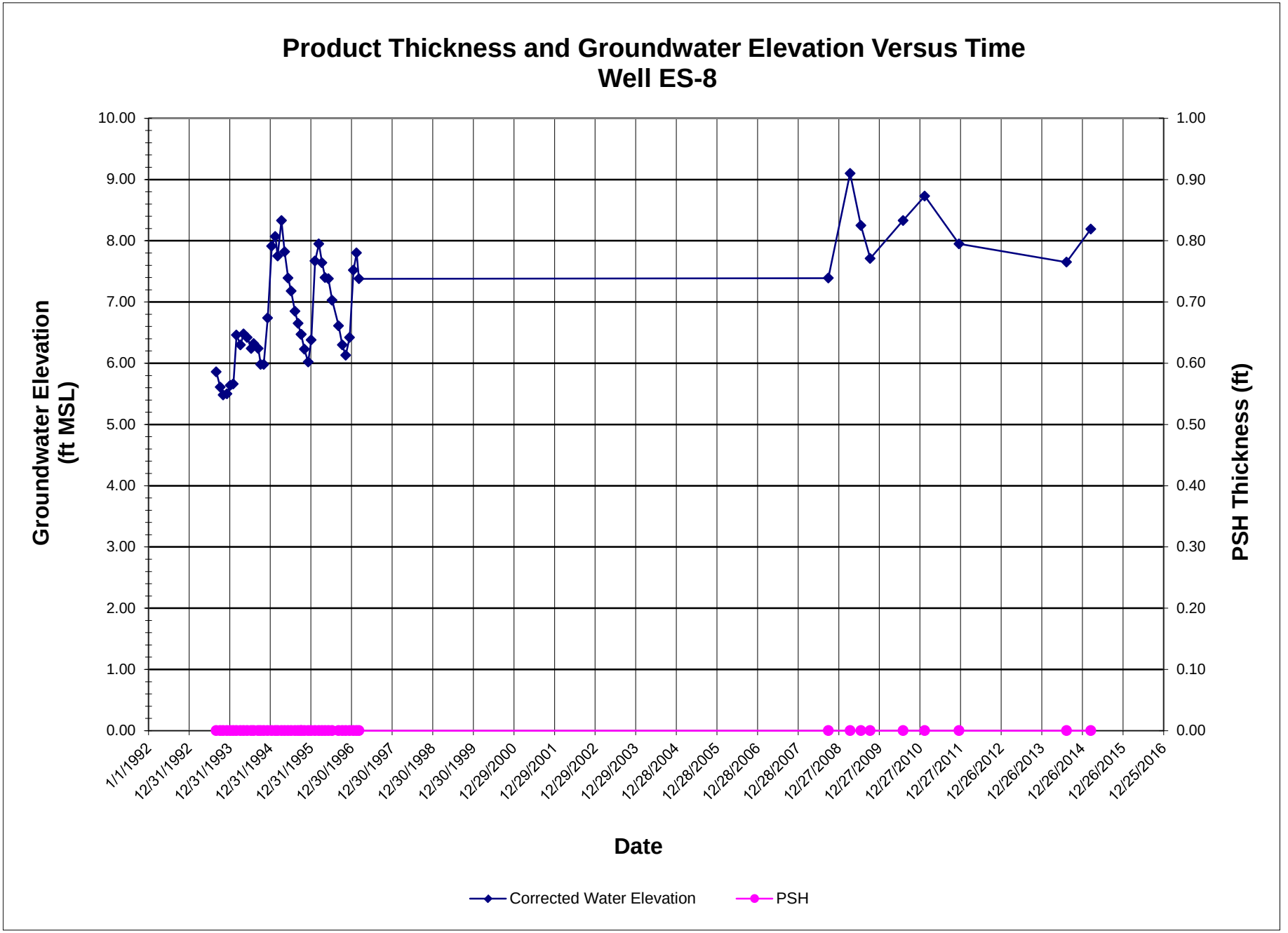

Product Thickness and Groundwater Elevation Versus Time
Well ES-3
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
12/29/2001
12/29/2002
12/29/2003
12/28/2004
12/28/2005
12/28/2006
12/28/2007
12/27/2008
12/27/2009
12/27/2010
12/27/2011
12/26/2012
12/26/2013
12/26/2014
12/26/2015
12/25/2016
Date
Corrected Water Elevation
PSH

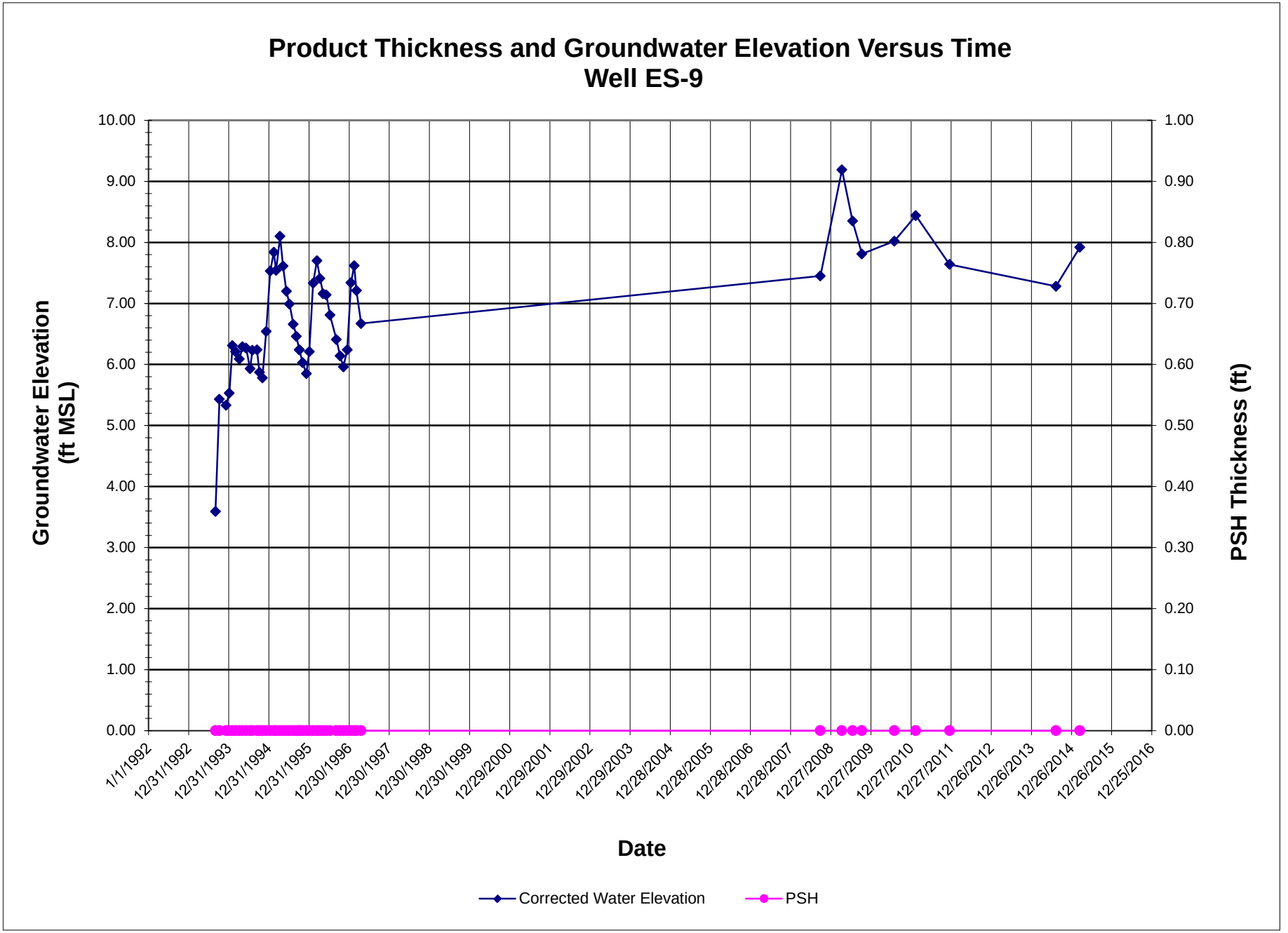

Product Thickness and Groundwater Elevation Versus Time
Well ES-4
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
12/29/2001
12/29/2002
12/29/2003
12/28/2004
12/28/2005
12/28/2006
12/28/2007
12/27/2008
12/27/2009
12/27/2010
12/27/2011
12/26/2012
12/26/2013
12/26/2014
12/26/2015
12/25/2016
Date
Corrected Water Elevation
PSH

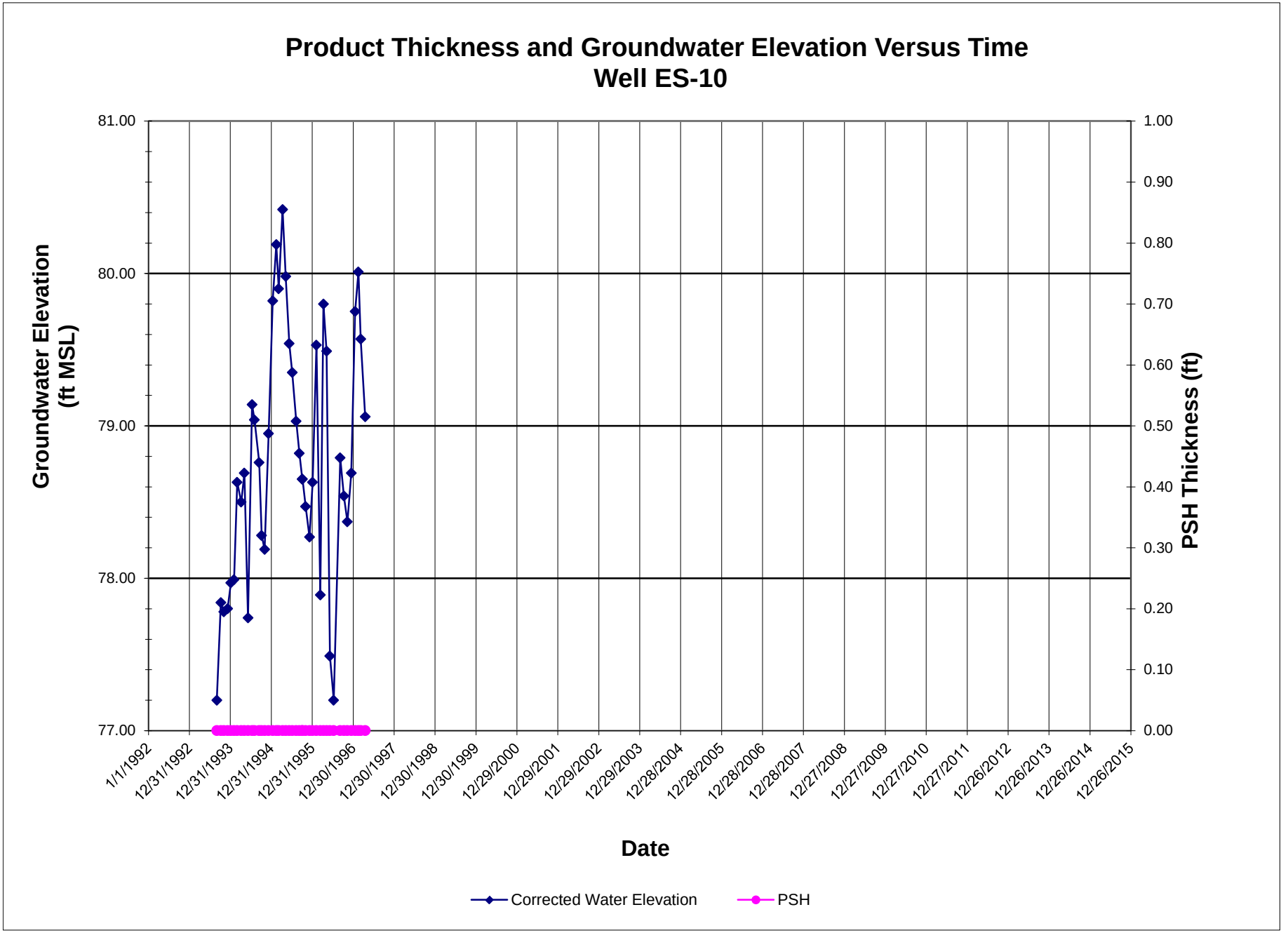

Product Thickness and Groundwater Elevation Versus Time
Well ES-5
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
12/29/2001
12/29/2002
12/29/2003
12/28/2004
12/28/2005
12/28/2006
12/28/2007
12/27/2008
12/27/2009
12/27/2010
12/27/2011
12/26/2012
12/26/2013
12/26/2014
12/26/2015
12/25/2016
Date
Corrected Water Elevation
PSH

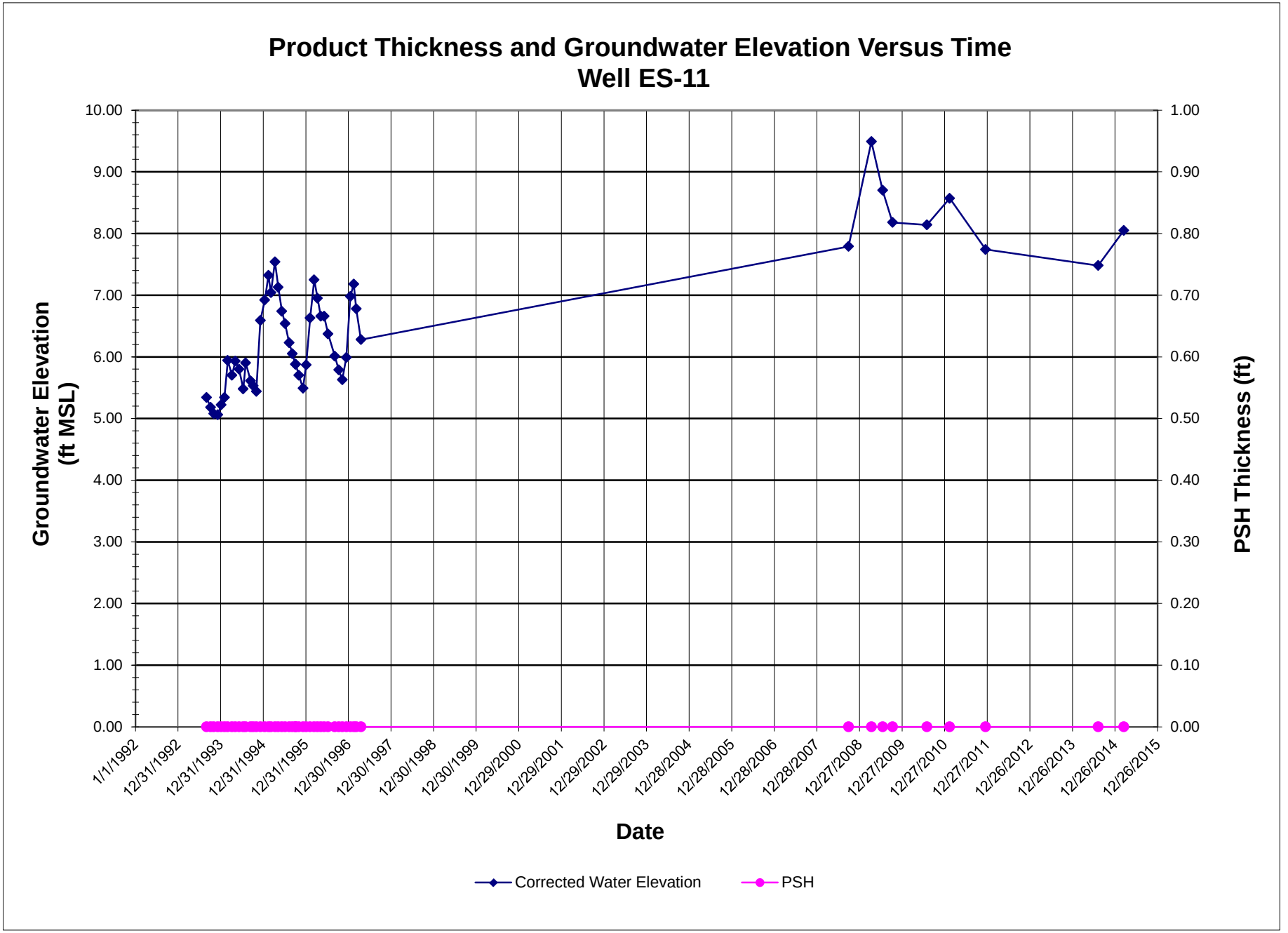

Product Thickness and Groundwater Elevation Versus Time
Well ES-6
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
12/29/2001
12/29/2002
12/29/2003
12/28/2004
12/28/2005
12/28/2006
12/28/2007
12/27/2008
12/27/2009
12/27/2010
12/27/2011
12/26/2012
12/26/2013
12/26/2014
12/26/2015
12/25/2016
Date
Corrected Water Elevation
PSH


Product Thickness and Groundwater Elevation Versus Time
Well ES-7
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
12/29/2001
12/29/2002
12/29/2003
12/28/2004
12/28/2005
12/28/2006
12/28/2007
12/27/2008
12/27/2009
12/27/2010
12/27/2011
12/26/2012
12/26/2013
12/26/2014
12/26/2015
12/25/2016
Date
Corrected Water Elevation
PSH


Product Thickness and Groundwater Elevation Versus Time
Well ES-8
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
12/29/2001
12/29/2002
12/29/2003
12/28/2004
12/28/2005
12/28/2006
12/28/2007
12/27/2008
12/27/2009
12/27/2010
12/27/2011
12/26/2012
12/26/2013
12/26/2014
12/26/2015
12/25/2016
Date
Corrected Water Elevation
PSH


Product Thickness and Groundwater Elevation Versus Time
Well ES-9
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
12/29/2001
12/29/2002
12/29/2003
12/28/2004
12/28/2005
12/28/2006
12/28/2007
12/27/2008
12/27/2009
12/27/2010
12/27/2011
12/26/2012
12/26/2013
12/26/2014
12/26/2015
12/25/2016
Date
Corrected Water Elevation
PSH


Product Thickness and Groundwater Elevation Versus Time
Well ES-10
Groundwater Elevation (ft MSL)
81.00
80.00
79.00
78.00
77.00
PSH Thickness (ft)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
12/29/2001
12/29/2002
12/29/2003
12/28/2004
12/28/2005
12/28/2006
12/28/2007
12/27/2008
12/27/2009
12/27/2010
12/27/2011
12/26/2012
12/26/2013
12/26/2014
12/26/2015
Date
Corrected Water Elevation
PSH


Product Thickness and Groundwater Elevation Versus Time
Well ES-11
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
12/29/2001
12/29/2002
12/29/2003
12/28/2004
12/28/2005
12/28/2006
12/28/2007
12/27/2008
12/27/2009
12/27/2010
12/27/2011
12/26/2012
12/26/2013
12/26/2014
12/26/2015
Date
Corrected Water Elevation
PSH

APPENDIX C

Groundwater Sampling Records

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 | Project Name: GLI, Oakland | Date 03/12/15

Sampling Location (well ID, etc.): BC-1 | Total Depth to LNAPL (ft. BMP): —

Gauged by: TAH - JFA | Water Level (ft. BMP) (2/8/2011): 16.37

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 29.65

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: Fair

Condition of Well: good

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) | Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: — | Thermometer: YSI 556

pH Meter/ORP: YSI 556 | Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A | Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
11: :05	40mL	Glass VOA	2	N	HCl, Ice	
11 :05	40mL	Amber Glass VOA	2	N	Ice	

Date: 3-12-15	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
Time			Temp (F)	pH ± 0.1	Conductivity ± 3%	ORP ± 10			
10 : 50	350	16.41	65.99	6.44	1195	-116.9	Clear	low	
10 : 53	250	16.39	65.87	6.47	1197	-127.6	Clear	low	
10 : 56	290	16.43	65.7	6.47	1195	-132.7	Clear	low	
10 : 59	330	16.44	65.91	6.48	1196	-136.1	Clear	low	
11 : 02	360	16.44	66.04	6.48	1196	-138.9	Clear	low	
:									
:									
:									
:									
:									

Water level (ft. BMP) at End of Purge: —

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 | Project Name: GLI, Oakland | Date 03/ /15

Sampling Location (well ID, etc.): BC -2 | Total Depth to LNAPL (ft. BMP): —

Gauged by: TAH | Water Level (ft. BMP) (2/8/2011): ~~16.42~~ 16.39

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): ~~20.08~~ 19.93

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: fair

Condition of Well: angled well

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) | Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: | Thermometer: YSI 556

pH Meter/ORP: YSI 556 | Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A | Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
:	40mL	Glass VOA	2	N	HCl, Ice	
:	40mL	Amber Glass VOA	2	N	Ice	

Date :	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
Time			Temp (F)	pH	Conduct-ivity	ORP			
				± 0.1	± 3 %	± 10			
:									
:									
:									
:									
:									
:									
:									
:									
:									
:									

Water level (ft. BMP) at End of Purge:

Field Notes: Gauge Only / No Sample

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 | Project Name: GLI, Oakland | Date 03/13/15

Sampling Location (well ID, etc.): BC-3 | Total Depth to LNAPL (ft. BMP): ~~16.42~~

Gauged by: TAH | Water Level (ft. BMP) (2/8/2011): ~~20.08~~ 16.42

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 20.08

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: fair

Condition of Well: angled well

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) | Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: | Thermometer: YSI 556

pH Meter/ORP: YSI 556 | Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A | Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
10 : 18	40mL	Glass VOA	2	N	HCl, Ice	
10 : 18	40mL	Amber Glass VOA	2	N	Ice	

Date: 3-13-15	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
9:51 Time			Temp (F)	pH	Conductivity	ORP			
				± 0.1	± 3 %	± 10			
9 : 54	325	16.70	64.26	7.25	951	-2.0	Clear	low	
9 : 57	325	16.75	64.36	7.26	953	4.0	Clear	low	
10 : 00	350	16.85	64.41	7.27	955	9.7	clear	low	
10 : 03	325	16.90	64.45	7.27	958	16.3	Clear	low	
10 : 06	325	16.90	64.50	7.27	960	21.7	Clear	low	
10 : 09	325	16.90	64.56	7.28	962	26.2	Clear	low	
10 : 12	325	16.95	64.62	7.28	963	31.0	Clear	low	
10 : 15	325	16.98	64.60	7.28	963	35.4	Clear	low	
:									
:									

Water level (ft. BMP) at End of Purge:

Field Notes: Slight hydrocarbon odor.

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 | Project Name: GLI, Oakland | Date 03/12/15

Sampling Location (well ID, etc.): ES-1 | Total Depth to LNAPL (ft. BMP): —

Gauged by: TAH | Water Level (ft. BMP) (2/8/2011): 16.13

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 30.18

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: fair

Condition of Well: good

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) | Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: | Thermometer: YSI 556

pH Meter/ORP: YSI 556 | Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A | Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
14:46	40mL	Glass VOA	2	N	HCl, Ice	
14:46	40mL	Amber Glass VOA	2	N	Ice	

Date: 3-12-15 14:20 TAH/jl Time	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (F)	pH	Conductivity	ORP			
				± 0.1	± 3 %	± 10			
14:32	475	16.19	69.66	6.31	1268	-114.5	Clear	Low	
14:35	425	16.19	69.61	6.30	1267	-115.9	Clear	low	
14:38	425	16.19	69.51	6.30	1266	-116.3	Clear	low	
14:41	425	16.19	69.45	6.30	1265	-117.0	Clear	low	
14:44	450	16.19	69.45	6.31	1265	-116.9	Clear	low	
:									
:									
:									
:									
:									

Water level (ft. BMP) at End of Purge:

Field Notes: Extra purge 5-10 minutes, before sampling

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 Project Name: GLI, Oakland Date 03/12/15

Sampling Location (well ID, etc.): ES-2 Total Depth to LNAPL (ft. BMP): —

Gauged by: TAH Water Level (ft. BMP) (2/8/2011): 16.64

Casing Diameter (In ID): 4" ID Total Depth (ft. BMP): 30.24

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: fair

Condition of Well: good

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: — Thermometer: YSI 556

pH Meter/ORP: YSI 556 Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
16:10	40mL	Glass VOA	2	N	HCl, Ice	
16:10	40mL	Amber Glass VOA	2	N	Ice	

Date: 3-12-15 Time 15:52	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (F)	pH	Conductivity	ORP			
				± 0.1	± 3 %	± 10			
15:55	350	16.65	67.00	6.34	1482	-118.8	clear	low	
15:58	325	16.65	66.92	6.33	1482	-125.9	clear	low	
16:01	325	16.65	66.92	6.33	1482	-131.3	clear	low	
16:04	300	16.65	66.80	6.35	1481	-134.3	clear	low	
16:07	350	16.65	66.84	6.34	1479	-138.8	clear	low	
:									
:									
:									
:									
:									

Water level (ft. BMP) at End of Purge: —

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 | Project Name: GLI, Oakland | Date: 03/12/15

Sampling Location (well ID, etc.): ES-3 | Total Depth to LNAPL (ft. BMP): —

Gauged by: TAH | Water Level (ft. BMP) (2/8/2011): 16.96

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 31.49

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: fair

Condition of Well: good

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) | Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: — | Thermometer: YSI 556

pH Meter/ORP: YSI 556 | Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A | Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
18:17	40mL	Glass VOA	2	N	HCl, Ice	
18:17	40mL	Amber Glass VOA	2	N	Ice	

Date: 3/12/15	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (F)	pH	Conductivity	ORP			
Time				± 0.1	± 3 %	± 10			
18:02	600	17.00	68.61	6.30	921	-85.0	Clear	Low	
18:05	325	16.98	68.00	6.30	922	-92.3	Clear	Low	
18:08	400	17.02	68.01	6.30	923	-96.5	Clear	low	
18:11	400	17.02	68.64	6.30	927	-98.0	Clear	low	
18:14	425	17.02	68.16	6.30	940	-99.1	Clear	low	
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Water level (ft. BMP) at End of Purge: —

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 | Project Name: GLI, Oakland | Date 03/12/15

Sampling Location (well ID, etc.): ES-4 | Total Depth to LNAPL (ft. BMP): —

Gauged by: TAH | Water Level (ft. BMP) (2/8/2011): 15.90

Casing Diameter (In ID): 4" ID | Total Depth (ft. BMP): 28.49

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: fair

Condition of Well: good

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) | Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: | Thermometer: YSI 556

pH Meter/ORP: YSI 556 | Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A | Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
15:32	40mL	Glass VOA	2	N	HCl, Ice	
15:32	40mL	Amber Glass VOA	2	N	Ice	

Date: 3-12-15	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
Time			Temp (F)	pH	Conduct-ivity	ORP			
				± 0.1	± 3 %	± 10			
15:17	400	15.93	70.01	6.19	671	-54.8	Clear	low	
15:20	400	18.93	69.94	6.15	665	-57.6	Clear	low	
15:23	350	15.93	70.00	6.15	663	-60.6	Clear	low	
15:26	375	15.93	69.99	6.16	663	-63.6	Clear	low	
15:29	375	15.93	69.98	6.16	664	-65.5	Clear	low	
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Water level (ft. BMP) at End of Purge:

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 | Project Name: GLI, Oakland | Date 03/13/15

Sampling Location (well ID, etc.): ES-5 | Total Depth to LNAPL (ft. BMP): —

Gauged by: TAH | Water Level (ft. BMP) (2/8/2011): 16.12

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 50.19

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: fair

Condition of Well: good

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) | Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: — | Thermometer: YSI 556

pH Meter/ORP: YSI 556 | Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A | Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
8:52	40mL	Glass VOA	2	N	HCl, Ice	
8:52	40mL	Amber Glass VOA	2	N	Ice	

Date: 3-13-15	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (F)	pH	Conductivity	ORP			
8:36 Time				± 0.1	± 3 %	± 10			
8:39	405	16.18	66.73	6.30	936	-88.8	Clear	low	hydrocarbon odor
8:42	375	16.18	66.70	6.32	946	-99.7	Clear	low	" "
8:45	375	16.18	66.72	6.32	949	-103.4	Clear	low	" "
8:48	375	16.18	66.69	6.32	950	-106.1	Clear	low	" "
8:49	375	16.18	66.66	6.32	950	-107.6	Clear	low	" "
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Water level (ft. BMP) at End of Purge: —

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 | Project Name: GLI, Oakland | Date 03/12/15

Sampling Location (well ID, etc.): ES-6 | Total Depth to LNAPL (ft. BMP): —

Gauged by: TAH | Water Level (ft. BMP) (2/8/2011): 18.95

Casing Diameter (In ID): 4" ID | Total Depth (ft. BMP): 35.04

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: fair

Condition of Well: good

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) | Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: | Thermometer: YSI 556

pH Meter/ORP: YSI 556 | Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A | Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
16:47	40mL	Glass VOA	2	N	HCl, Ice	
16:47	40mL	Amber Glass VOA	2	N	Ice	

Date: 3-12-15	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (F)	pH	Conductivity	ORP			
Time				± 0.1	± 3 %	± 10			
16:32	400	18.93	72.06	6.49	951	-56.4	clear	low	
16:35	350	18.92	72.19	6.49	953	-52.4	clear	low	
16:38	360	18.92	72.15	6.49	956	-48.0	clear	low	
16:41	360	18.92	72.14	6.49	957	-44.0	clear	low	
16:44	360	18.92	72.05	6.49	957	-41.5	clear	low	
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Water level (ft. BMP) at End of Purge:

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 | Project Name: GLI, Oakland | Date 03/12/15

Sampling Location (well ID, etc.): ES-7 | Total Depth to LNAPL (ft. BMP): —

Gauged by: TAH | Water Level (ft. BMP) (2/8/2011): 17.79

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 33.28

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: fair

Condition of Well: good

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) | Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: | Thermometer: YSI 556

pH Meter/ORP: YSI 556 | Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A | Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
17:39	40mL	Glass VOA	2	N	HCl, Ice	
17:39	40mL	Amber Glass VOA	2	N	Ice	

Date: 3-12-15	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (F)	pH	Conductivity	ORP			
17:21 Time				± 0.1	± 3 %	± 10			
17:24	425	17.84	67.80	6.10	784	42.1	Clear	low	
17:27	400	17.84	67.57	6.09	785	38.2	Clear	low	
17:30	425	17.84	67.51	6.10	786	34.5	Clear	low	
17:33	426	17.84	67.52	6.10	787	32.5	Clear	low	
17:36	450	17.84	67.47	6.11	789	31.8	Clear	low	
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Water level (ft. BMP) at End of Purge: _____

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 | Project Name: GLI, Oakland | Date: 03/12/15

Sampling Location (well ID, etc.): ES-8 | Total Depth to LNAPL (ft. BMP): —

Gauged by: TAH | Water Level (ft. BMP) (2/8/2011): 16.55

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 29.22

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: Fair

Condition of Well: good

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) | Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: | Thermometer: YSI 556

pH Meter/ORP: YSI 556 | Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A | Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
12:35	40mL	Glass VOA	2	N	HCl, Ice	
12:35	40mL	Amber Glass VOA	2	N	Ice	

Date: 3-12-15	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (F)	pH	Conductivity	ORP			
Time				± 0.1	± 3 %	± 10			
12:18	360	16.59	69.63	6.27	1116	-64.9	Clear	Low	
12:24	375	16.59	69.44	6.25	1123	-74.4	Clear	Low	
12:27	375	16.59	69.30	6.24	1123	-78.1	Clear	Low	
12:30	425	16.61	69.21	6.24	1122	-78.7	Clear	Low	
12:33	450	16.61	69.23	6.25	1122	-77.1	Clear	Low	
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Water level (ft. BMP) at End of Purge:

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 | Project Name: GLI, Oakland | Date 03/ /15

Sampling Location (well ID, etc.): ES-9 | Total Depth to LNAPL (ft. BMP): —

Gauged by: TAH | Water Level (ft. BMP) (2/8/2011): 15.41

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 34.99

Monitor Well Inspection:

Condition of Concrete Pad: Good

Condition of Lock, Well Cover and Cap: Cap fine, no lock, good well cover

Condition of Well: Good

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) | Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: | Thermometer: YSI 556

pH Meter/ORP: YSI 556 | Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A | Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
13:12	40mL	Glass VOA	2	N	HCl, Ice	
13:12	40mL	Amber Glass VOA	2	N	Ice	

Date: 3-12-15	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
12:54 Time			Temp (F)	pH	Conductivity	ORP			
				± 0.1	± 3 %	± 10			
12:57	475	15.45	70.84	6.41	1060	7.7	Clear	Low	
13:00	425	15.45	70.77	6.44	1058	3.1	Clear	Low	
13:03	450	15.45	70.73	6.45	1057	1.4	Clear	Low	
13:06	450	15.45	70.73	6.46	1057	2.4	Clear	Low	
13:09	450	15.45	70.70	6.46	1056	5.7	Clear	Low	
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Water level (ft. BMP) at End of Purge: _____

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 15-1379 | Project Name: GLI, Oakland | Date: 03/13/15

Sampling Location (well ID, etc.): ES-11 | Total Depth to LNAPL (ft. BMP): —

Gauged by: TAH | Water Level (ft. BMP) (2/8/2011): 16.03

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 35.05

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: fair

Condition of Well: good

QUALITY ASSURANCE

METHODS (describe):

Cleaning Equipment: Alconox soap solution, distilled water rinse

Purging: Peristaltic Pump (Low-Flow) | Sampling: Peristaltic Pump (Low-Flow)

Disposal of Discharged Water: Collect purge water in 55-gallon drum for disposal

INSTRUMENTS (Indicate make, model, I.D.):

Water Level: | Thermometer: YSI 556

pH Meter/ORP: YSI 556 | Filtration: N/A

Conductivity/DO Meter: YSI 556 / N/A | Other: N/A

SAMPLE INVENTORY

Bottles Collected				Filtration	Preservation	Remarks
Time	Vol.	Composition (glass, plastic)	Quantity	(Y/N)	(type)	(quality control sample, other)
11:03	40mL	Glass VOA	2	N	HCl, Ice	
11:03	40mL	Amber Glass VOA	2	N	Ice	

Date: 3-13-15	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (F)	pH	Conductivity	ORP			
Time				± 0.1	± 3 %	± 10			
10:48	350	16.05	65.66	7.23	978	69.5	clear	low	
10:51	300	16.05	65.49	7.32	1027	58.1	clear	low	
10:54	300	16.05	65.47	7.34	1029	53.0	clear	low	
10:57	325	16.05	65.55	7.35	1030	49.1	clear	low	
11:00	325	16.05	65.51	7.36	1029	46.8			
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Water level (ft. BMP) at End of Purge:

Field Notes: