GREEN STAR ENVIRONMENTAL

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

Green Star Environmental Report No. 16-1379

Report Prepared For:

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

April 22, 2016

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 22, 2016 has been prepared and the related activities were conducted in accordance with the required standards.

4/20/2016

DATE

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Oakland Bus Terminal
2103 San Pablo Avenue
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I declare, under penalty of perjury, that the information and/or recommendations contained in the attached Groundwater Monitoring Event Report dated April 22, 2016 are true and correct to the best of my knowledge.

4-19-16

DATE

Susan Kirkpatrick

Susan Kirkpatrick
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2103 San Pablo Avenue
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 December 7, 2015, a groundwater monitoring event was conducted at the Site in February 2016 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 February 2016. 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 to 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 February 22 and 24, 2016. Table 2a presents a summary of groundwater gauging data from the February 2016 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 February 2016 and has not been detected since October 1997. Groundwater elevations in the monitoring wells gauged ranged from 8.31 feet above msl in monitoring well ES-6 to 7.96 feet above msl in monitoring well ES-7. The calculated hydraulic gradient was approximately 0.002 ft/ft. The groundwater flow direction was towards the west-southwest of the site, with a rise in elevation in the vicinity of monitoring well ES-8. The groundwater gradient in February 2016 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. All monitoring wells were accessible during the February 2016 monitoring event and were purged 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 ± 0.1 standard units for pH, ± 3% for conductivity, and ± 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 February 2016 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 was present in seven of the 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 three monitoring wells (ES-1, ES-2, and ES-5) at a maximum concentration of 950 µg/L in the sample collected from monitoring well ES-2. Ethylbenzene was detected at concentrations that exceeded the RWQCB ESL for non-drinking water resources in the samples collected from monitoring wells ES-3 and ES-5 at a maximum concentration of 200 µg/L in the sample collected from monitoring well ES-5. Xylenes were detected at concentrations that exceeded the RWQCB ESL for non-drinking water resources in the sample collected from monitoring well ES-5 at a concentration of 240 µg/L. Toluene, was detected at concentrations that exceeded its respective RWQCB ESL for non-drinking water in the sample collected from monitoring well ES-5 at a concentration of 140 µg/L. 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 10 monitoring wells sampled including BC-1, ES-1 through ES-8, and ES-11. TPH-g was detected at a concentration that exceeded the RWQCB ESL for non-drinking water resources in four monitoring wells (ES-1 through ES-3 and ES-5) and at a maximum concentration of 6,900 µg/L in the sample collected from monitoring well ES-5. TPH-d was detected at a concentration that exceeded the RWQCB ESL for non-drinking water resources in monitoring well ES-5 at a maximum concentration of 1100 µg/L. TPH-o was detected above laboratory detection limits in seven monitoring wells (BC-1, ES-1, ES-3, ES-4, ES-6, ES-7 and ES-11), 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 and DIPE. Naphthalene was detected in monitoring well ES-5 at a concentration that exceeded the RWQCB ESL for non-drinking water resources at a maximum concentration of 75 µg/L. DIPE was detected in seven monitoring wells (BC-1, ES-1 through ES-4, ES-8, and ES-9) at a maximum concentration of 97 µg/L in the sample collected from monitoring well ES-2. MTBE, ETBE, TAME, EDB, EDC, 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 February 2016. 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 monitoring wells (ES-1, ES-5, BC-1 and ES-2). Data indicates 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 February 2016, total depths, depths to groundwater, and the presence of PSH were measured in each monitoring well. Twelve 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 February 2016 and has not been detected since October 1997. Groundwater elevations in the monitoring wells gauged ranged from 8.31 feet above msl in monitoring well ES-6 to 7.96 feet above msl in monitoring well ES-7. The calculated hydraulic gradient was approximately 0.002 ft/ft. The groundwater flow direction was towards the west-southwest of the site, with a rise in elevation in the vicinity of monitoring well 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 950 µg/L in the sample collected from monitoring well ES-2. Ethylbenzene, Xylenes, and Toluene were detected at maximum concentrations in the samples collected from monitoring well ES-5 at concentrations of 200 µg/L, 240 µg/L, and 140 µg/L respectively. TPH-g was detected at a maximum concentration of 6,900 µg/L in the sample collected from monitoring well ES-5. TPH-d was detected at a maximum concentration of 1,100 µg/L in the sample collected from monitoring well ES-5. TPH-o was not detected above RWQCB ESL for non-drinking water resources. MTBE, ETBE, TAME, EDB, EDC, TBA, and ethanol were not detected above laboratory detection limits in 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. 15-1379

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.

Table 1 - Summary of Previous Reports
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2103 San Pablo Avenue
Oakland, Alameda County, California
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Reference No.	Document Date	Type	Title	Author	Description
13	1/11/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
14	1/31/1993	Report	Quarterly Status Report	Engineering-Science, Inc.	Quarterly monitoring report. PSH was detected in four of the wells. Quarterly groundwater sampling was performed.
15	3/8/1993	Report	Quarterly Status Report	Engineering-Science, Inc.	Continued quarterly monitoring report. PSH was detected in three of the wells. Quarterly groundwater sampling was performed.
16	3/8/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
17	4/2/1993	Report	Supplemental Site Assessment Investigation Work Plan	Engineering-Science, Inc.	A workplan was created to further define the lateral and vertical extent of soil and groundwater contamination. Specific remedial actions for mitigating the contamination will also be assessed. Proposed work includes installation of six to eight soil borings which will be converted to groundwater monitoring wells.
18	4/13/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
19	5/11/1993	Report	Quarterly Status Report	Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was detected in three of the monitoring wells. Quarterly groundwater sampling was performed.
20	6/15/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
21	7/29/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
22	8/12/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in two of the monitoring wells.
23	8/30/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in two of the monitoring wells.
24	10/1/1993	Report	Preliminary Risk Evaluation	Engineering-Science, Inc.	The risk assessment includes an evaluation of potential contaminant exposure pathways, existing contaminant levels and distribution, chemical characteristics, and site-specific factors such as soil permeability, and local land and water uses. For this assessment, the site was divided into two regions: the former Tank Pit area (source area) and the region surrounding the source area (perimeter). Concentrations of contaminants in groundwater within the source area exceed criteria derived to protect both human health and the environment. None of the chemicals detected in the groundwater within the perimeter were found to exceed the criteria used, indicating that the recovery system is preventing migration of contaminants from the source area. Concentrations of BTEX in soils did not exceed calculated risk-based preliminary remediation goals in either the source area or the perimeter sample locations. TPH was detected in soils in the source area, but risk-based PRGs could not be derived for these contaminants because USEPA-derived toxicity values are not available. It was concluded that a more detailed quantitative risk assessment was not needed.
25	10/15/1993	Letter	Monthly Monitoring Report	Engineering-Science, Inc.	Continued monthly monitoring report. PSH was detected in three of the monitoring wells.
26	11/16/1993	Report	Quarterly Status Report	Engineering-Science, Inc.	Continued quarterly groundwater monitoring report. PSH was detected in four of the monitoring wells. Quarterly groundwater sampling was performed.

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
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 15-1379

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.

Table 1 - Summary of Previous Reports
Oakland Bus Terminal
2103 San Pablo Avenue
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Green Star Project No. 15-1379

Reference No.	Document Date	Type	Title	Author	Description
61	6/15/2000	Report	Risk Management Plan	Parsons Engineering Science, Inc.	Includes stipulations and restrictions that must be followed in order to comply with all requirements of the Risk Management Plan as specified by the ACEH, CASE closure checklist, site location map, analytical summary (monitoring wells: 07/08/92-10/07/97), site plan, soil analytical data map, and groundwater analytical data map.
62	6/15/2000	Report	Final Closure Request	Parsons Engineering Science, Inc.	Reviews site history and existing conditions (in 12/97, the groundwater monitoring program was terminated with ACEH and RWQCB's approval). Requested No Further Action (NFA) as: none of the 384 wells located in Section 26 are used for municipal water supply, Lake Merrit is located approximately 1,700 feet east of the site and is the nearest surface water body, regional groundwater flow is to the south-southwest, no soil remediation was required at the site, a total fluid recovery system was used between 01/93 through 02/97 to remove PSH discovered in four onsite wells (ES-1, ES-2, ES-5, and BC-1), PSH was completely removed and dissolved constituents were reduced to levels of diminishing returns, factors limiting potential adverse impacts include the limited horizontal and vertical extent of the dissolved hydrocarbon plume and the removal of PSH from the vicinity of of the former UST locations, and absence of potable drinking wells or reservoirs within a one-mile radius. Conclusions from the Preliminary Risk Evaluation and Tier II Benzene assessment indicated the lack of any significant health or environmental threats to current or future users of the site under currentuse conditions. It was recommended that a NFA status be granted for the site with a deed restriction and Risk Management Plan in place.
63	11/12/2008	Report	Groundwater Monitoring Report	Green Star Environmental	A groundwater monitoring event was performed in September 2008 utilizing 13 wells. PSH was not detected. Benzene, toluene, and naphthalene exceeded City of Oakland RBSLs. TPH-g and TPH-d exceeded 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. 15-1379

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 August 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.
74	4/6/2015	Report	Groundwater Monitoring Report	Green Star Environmental	A groundwater monitoring event was performed in March 2015 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.
75	10/16/2015	Report	Groundwater Monitoring Report	Green Star Environmental	A groundwater monitoring event was performed in August 2015 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 (February 2016)
Oakland Bus Terminal
2103 San Pable Ave.
Oakland, Alameda County, California
Green Star Project No. 16-1379

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	02/22/16	unknown	24.41	--	16.26	--	29.70	8.15
BC-2[2]	02/22/16	unknown	24.37	--	16.76	--	20.00	na
BC-3[2]	02/22/16	unknown	24.42	--	16.19	--	20.25	na
ES-1	02/22/16	10.5-30.5	24.11	--	16.00	--	30.94	8.11
ES-2	02/22/16	10.5-30.5	24.66	--	16.52	--	30.22	8.14
ES-3	02/22/16	15-35	24.93	--	16.84	--	31.74	8.09
ES-4	02/22/16	10.5-30.5	23.93	--	15.77	--	30.06	8.16
ES-5	02/22/16	10.5-30.5	24.08	--	15.96	--	30.15	8.12
ES-6	02/22/16	15-35	27.06	--	18.75	--	35.11	8.31
ES-7	02/22/16	15-35	25.66	--	17.70	--	33.96	7.96
ES-8	02/24/16	15-35	24.74	--	16.50	--	29.26	8.24
ES-9	02/24/16	15-35	23.33	--	15.34	--	34.95	7.99
ES-10[3]	nm	15-35	nm	nm	nm	nm	nm	nm
ES-11	02/22/16	15-36	24.08	--	15.89	--	35.08	8.19

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. 15-1379

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
BC-1	08/20/15	24.41	--	17.36	--	29.66	7.05
BC-1	02/22/16	24.41	--	16.26	--	29.70	8.15

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 15-1379

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]
BC-2	08/19/15	25.37	--	17.32	--	20.85	nd[2]
BC-2	02/23/16	25.37	--	16.76	--	20.00	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. 15-1379

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]
BC-3	08/19/15	25.42	--	17.36	--	20.28	nd[2]
BC-3	02/23/16	25.42	--	16.19	--	20.25	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. 15-1379

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
ES-1	08/19/15	24.11	--	17.15	--	30.22	6.96
ES-1	02/23/16	24.11	--	16.00	--	30.94	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. 15-1379

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
ES-2	08/19/15	24.66	--	17.65	--	30.25	7.01
ES-2	02/23/16	24.66	--	16.52	--	30.22	8.14

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 15-1379

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
ES-3	08/19/15	24.93	--	17.98	--	31.75	6.95
ES-3	02/23/16	24.93	--	16.84	--	31.74	8.09

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 15-1379

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
ES-4	08/19/15	23.93	--	16.90	--	30.11	7.03
ES-4	02/23/16	23.93	--	15.77	--	30.06	8.16

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 15-1379

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
ES-5	08/19/15	24.08	--	17.01	--	30.23	7.07
ES-5	02/23/16	24.08	--	15.96	--	30.15	8.12

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 15-1379

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
ES-6	08/19/15	27.06	--	19.92	--	35.13	7.14
ES-6	02/23/16	27.06	--	18.75	--	35.11	8.31

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 15-1379

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
ES-7	08/19/15	25.66	--	18.75	--	33.58	6.91
ES-7	02/23/16	25.66	--	17.70	--	33.96	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. 15-1379

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
ES-8	08/20/15	24.74	--	17.58	--	29.31	7.16
ES-8	02/24/16	24.74	--	16.50	--	29.26	8.24

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 15-1379

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
ES-9	08/20/15	23.33	--	16.45	--	35.00	6.88
ES-9	02/24/16	23.33	--	15.34	--	34.95	7.99

Table 2b - Cumulative Summary of Groundwater Level Measurements
Oakland Bus Terminal
2103 San Pablo Ave.
Oakland, Alameda County, California
Green Star Project No. 15-1379

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
ES-10[3]	08/19/15	nm	nm	nm	nm	nm	nm
ES-10[3]	02/22/16	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. 15-1379

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
ES-11	08/19/15	24.08	--	17.02	--	35.06	7.06
ES-11	02/22/16	24.08	--	15.89	--	35.08	8.19

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 (February 2016)
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, Alameda County, California
Green Star Project No. 16-1379

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	02/24/16	10	<0.50	<0.50	1.0	11	<0.50	<0.50	<0.50	<0.50	50	<0.50	<0.50	<2.0	<50	370	120	120 J
BC-2	02/23/16	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
BC-3	02/23/16	<0.50	<0.50	<0.50	<0.50	BDL	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<50	<50	<24	<65
ES-1	02/23/16	**230**	20	34	71	355	11	<5.0	<5.0	<5.0	53	<5.0	<5.0	<20	<500	**2900**	310	100 J
ES-2	02/24/16	**950**	44	<25	50	1044	<25	<25	<25	<25	97	<25	<25	<100	<2500	**5400**	550	<65
ES-3	02/23/16	41	14	**43**	66	164	21	<5.0	<5.0	<5.0	7.6	<5.0	<5.0	<20	<500	**2900**	520	82 J
ES-4	02/23/16	5.3	<0.50	<0.50	0.72	6.02	<0.50	<0.50	<0.50	<0.50	24	<0.50	<0.50	<2	<50	260	51	160 J
ES-5	02/24/16	**300**	**140**	**200**	**240**	880	**75**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<500	**6900**	**1100**	<65
ES-6	02/23/16	<0.50	<0.50	<0.50	<0.50	BDL	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<50	<50	<24	100 J
ES-7	02/23/16	<0.50	<0.50	<0.50	<0.50	BDL	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2	<50	<50	25 J	170 J
ES-8	02/24/16	0.93	<0.50	<0.50	<0.50	0.93	<0.50	<0.50	<0.50	<0.50	8.0	<0.50	<0.50	<2.0	<50	84	<24	<65
ES-9	02/24/16	<0.50	<0.50	<0.50	<0.50	BDL	<0.50	<0.50	<0.50	<0.50	0.75	<0.50	<0.50	<2.0	<50	<50	<24	<65
ES-10	02/23/16	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne
ES-11	02/23/16	<0.50	<0.50	<0.50	<0.50	BDL	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2	<50	<50	<24	150 J
RWQCB ESLs (non-drinking water resource)		**46**	**130**	**43**	**100**	ne	**24**	**180**	ne	ne	ne	**73**	**99**	**18000**	ne	**440**	**640**	**50000**
RWQCB ESLs (potential vapor intrusion concerns, commercial)		**260**	ne	**3300**	ne	ne	**1600**	**130000**	ne	ne	ne	**73**	**790**	ne	ne	ne	ne	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. 15-1379

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
	08/19/15	**31**	**1.7**	**1**	**2**	36	**2**	<0.20	<0.14	<0.44	**65**	<0.24	<0.18	<1.9	<62	**570**	**130**	**68J**	nt
	02/24/16	**10**	<0.50	<0.50	**1**	11	<0.50	<0.50	<0.50	<0.50	**50**	<0.50	<0.50	<2.0	<50	**370**	**120**	**120 J**	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
	08/19/15	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
	02/23/16	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. 15-1379

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
	08/19/15	<0.051	<0.040	<0.050	<0.25	BDL	<0.16	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<31	**19J**	**35J**	<65	nt
	02/23/16	<0.50	<0.50	<0.50	<0.50	BDL	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<50	<50	<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
	08/20/15	**170**	**14**	**22**	**52**	258	**8**	<1.0	<0.070	<2.2	**43**	<1.2	<0.90	<9.4	<310	**3600**	**400**	<65	nt
	02/23/16	**230**	**20**	**34**	**71**	355	**11**	<5.0	<5.0	<5.0	**53**	<5.0	<5.0	<20	<500	**2900**	**310**	**100 J**	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
	08/19/15	**650**	**40**	**6.7J**	**32**	729	<8.0	<5.0	<3.5	<11	**79**	<6.0	<4.5	<47	<1600	**5500**	**770**	**71J**	nt
	02/24/16	**950**	**44**	<25	**50**	1044	<25	<25	<25	<25	**97**	<25	<25	<100	<2500	**5400**	**550**	<65	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. 15-1379

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
	08/19/15	250	41	93	140	524	37	<1.0	<0.70	<2.2	52	<1.2	2.4J	<9.4	<310	5500	740	68J	nt
	02/23/16	41	14	43	66	164	21	<5.0	<5.0	<5.0	7.6	<5.0	<5.0	<20	<500	2900	520	82 J	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
	08/19/15	2	0.16J	0.14J	<0.25	2.15	<0.16	<0.10	<0.070	<0.22	27	<0.12	<0.090	<0.94	<31	410	64	79J	nt
	02/23/16	5.3	<0.50	<0.50	0.72	6.02	<0.50	<0.50	<0.50	<0.50	24	<0.50	<0.50	<2	<50	260	51	160 J	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. 15-1379

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
	08/19/15	**430**	**140**	**220**	**220**	1010	**79**	<5.0	<3.5	<11	**3.8J**	<6.0	<2.5	<47	<1600	**9200**	**1100**	<65	nt
	02/24/16	**300**	**140**	**200**	**240**	880	**75**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<500	**6900**	**1100**	<65	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
	08/19/15	<0.051	<0.040	<0.050	<0.25	BDL	<0.16	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<31	**20J**	<24	<65	nt
	02/23/16	<0.50	<0.50	<0.50	<0.50	BDL	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<50	<50	<24	100 J	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. 15-1379

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
	08/19/15	<0.051	<0.040	<0.050	<0.25	BDL	<0.16	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<31	**23J**	**30J**	**100J**	nt
	02/23/16	<0.50	<0.50	<0.50	<0.50	BDL	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2	<50	<50	**25 J**	**170 J**	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
	08/20/15	**1.6**	**0.22J**	<0.050	<0.25	2.12	<0.16	<0.10	<0.070	<0.22	**29**	<0.12	<0.090	<0.94	<31	**570**	**58**	<65	nt
	02/24/16	**0.93**	<0.50	<0.50	<0.50	0.93	<0.50	<0.50	<0.50	<0.50	**8**	<0.50	<0.50	<2.0	<50	**84**	<24	<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
	08/20/15	<0.051	<0.040	<0.050	<0.25	BDL	<0.16	<0.10	<0.070	<0.22	**0.27J**	<0.12	<0.090	<0.94	<31	**26J**	<24	<65	nt
	02/24/16	<0.50	<0.50	<0.50	<0.50	BDL	<0.50	<0.50	<0.50	<0.50	**0.75**	<0.50	<0.50	<2.0	<50	<50	<24	<65	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. 15-1379

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
	08/19/15	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne	dne
	02/23/16	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
	08/19/15	<0.051	<0.040	<0.050	<0.25	BDL	<0.16	<0.10	<0.070	<0.22	<0.070	<0.12	<0.090	<0.94	<31	**21J**	<24	<65	nt
	02/23/16	<0.50	<0.50	<0.50	<0.50	BDL	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2	<50	<50	<24	150 J	nt
RWQCB ESLs (non-drinking water resource)		**46**	**130**	**43**	**100**	ne	**24**	**180**	ne	ne	ne	**73**	**99**	**18000**	ne	**440**	**640**	**50000**	ne
RWQCB ESLs (potential vapor intrusion concerns, commercial)		**260**	**ne**	**3300**	**ne**	ne	**1600**	**130000**	ne	ne	ne	**73**	**790**	ne	ne	ne	ne	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

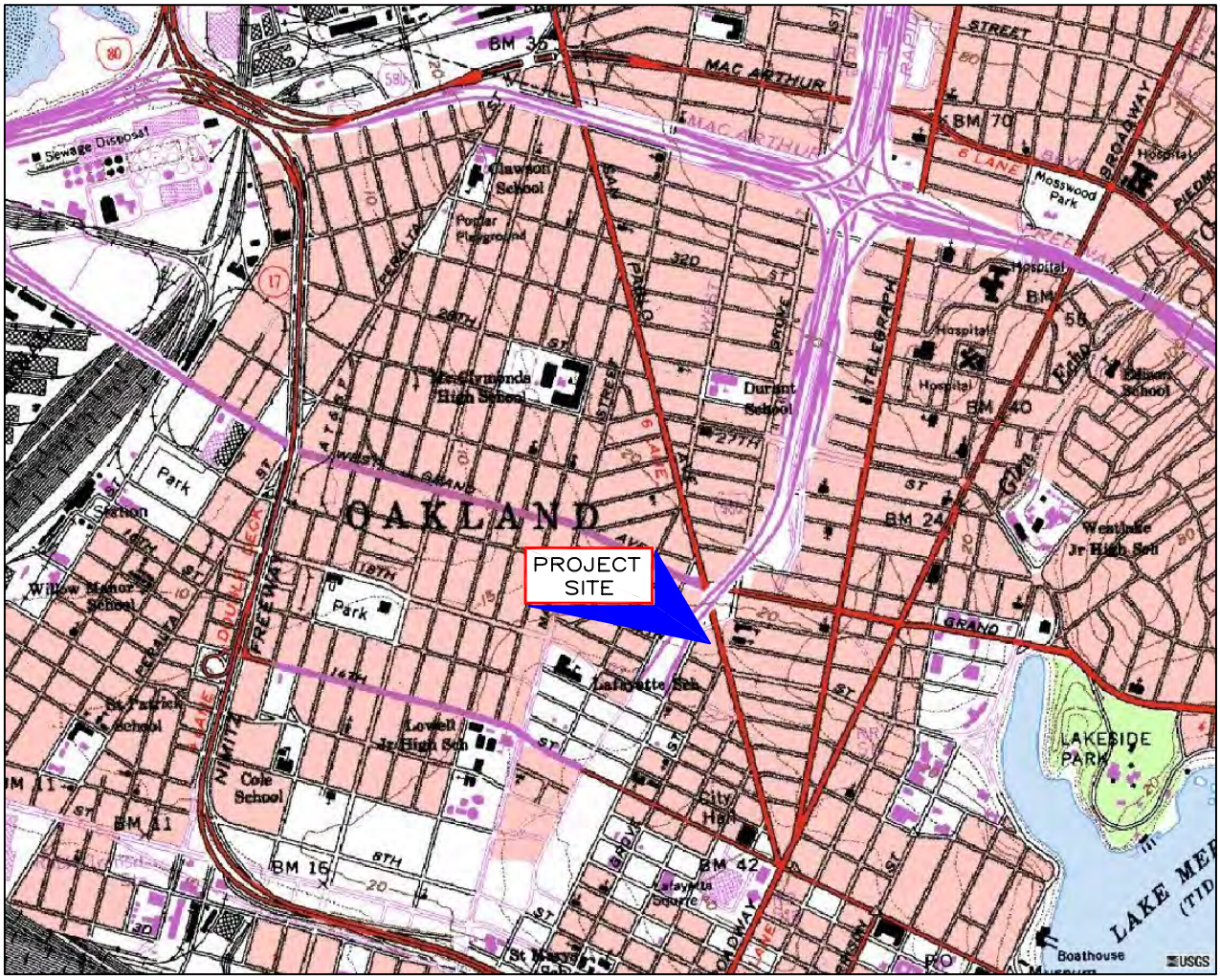
** Sample not analyzed due to broken sample bottle during shipment

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

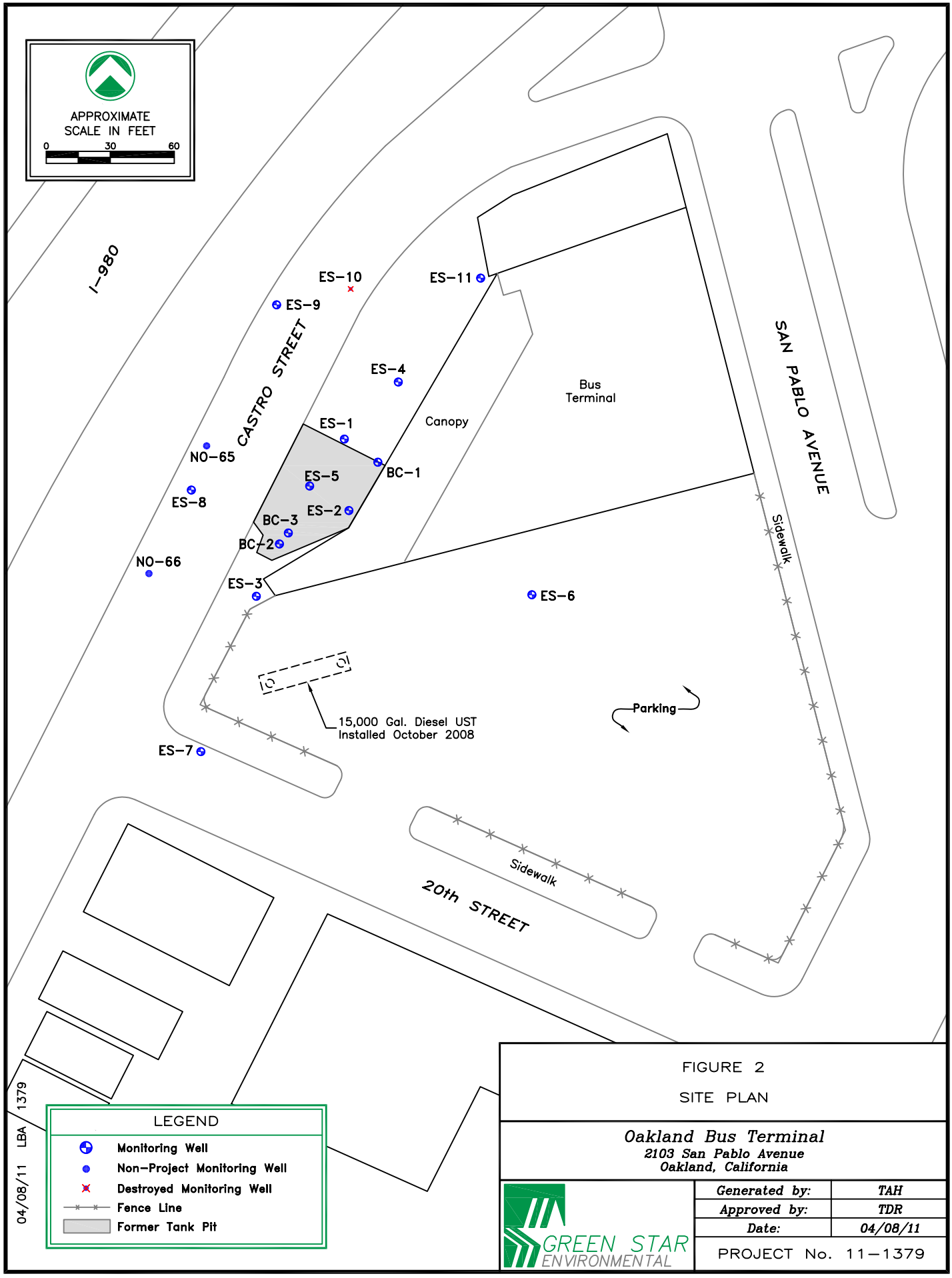
SITE LOCATION/USGS TOPOGRAPHIC MAP

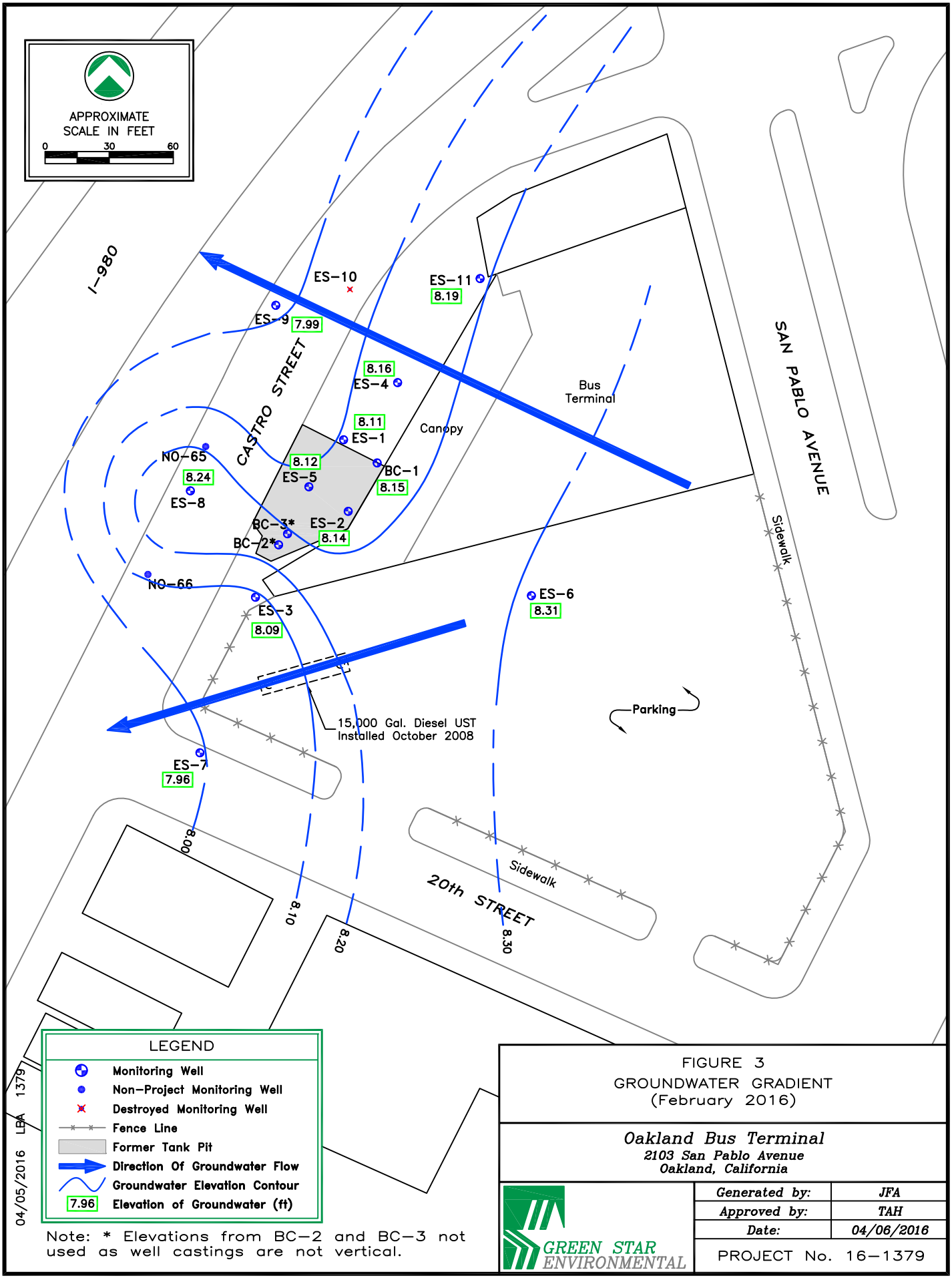
Greyhound Lines, Inc.
2103 San Pablo Avenue
Oakland, California

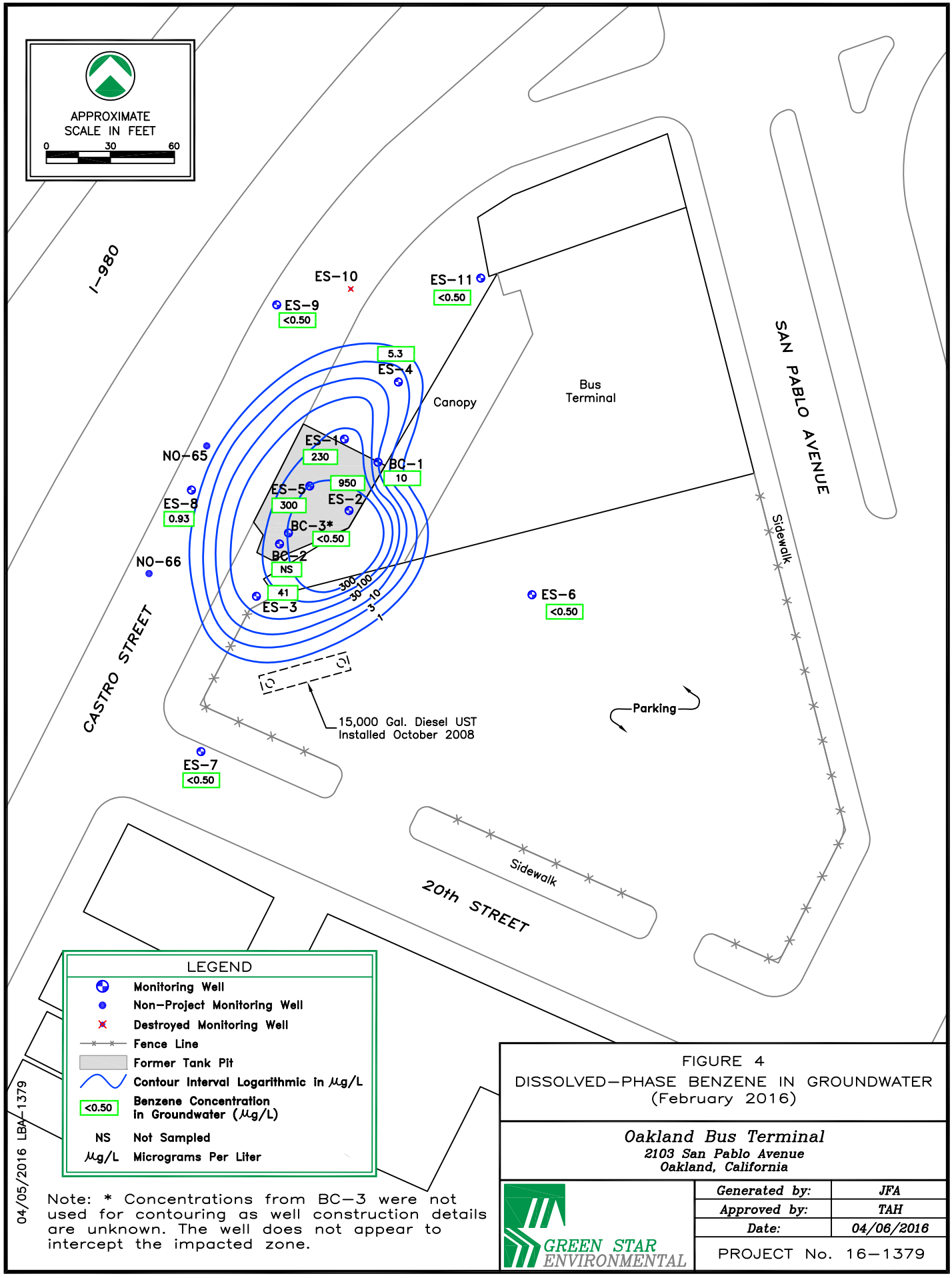
GREEN STAR ENVIRONMENTAL

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
Bus
Terminal
Canopy
Sidewalk
Sidewalk
Parking
ES-10
ES-11
8.19
ES-9
7.99
8.16
ES-4
8.11
ES-1
NO-65
8.24
ES-8
8.12
ES-5
BC-1
8.15
BC-3*
ES-2
8.14
BC-2*
NO-66
ES-3
8.09
ES-6
8.31
15,000 Gal. Diesel UST
Installed October 2008
ES-7
7.96
8.00
8.10
8.20
8.30
LEGEND
Monitoring Well
Non-Project Monitoring Well
Destroyed Monitoring Well
Fence Line
Former Tank Pit
Direction Of Groundwater Flow
Groundwater Elevation Contour
7.96
Elevation of Groundwater (ft)
Note: * Elevations from BC-2 and BC-3 not used as well castings are not vertical.
04/05/2016 LBA 1379
FIGURE 3
GROUNDWATER GRADIENT
(February 2016)
Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California
GREEN STAR ENVIRONMENTAL
Generated by: JFA
Approved by: TAH
Date: 04/06/2016
PROJECT No. 16-1379



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.

04/05/2016 LBA-1379

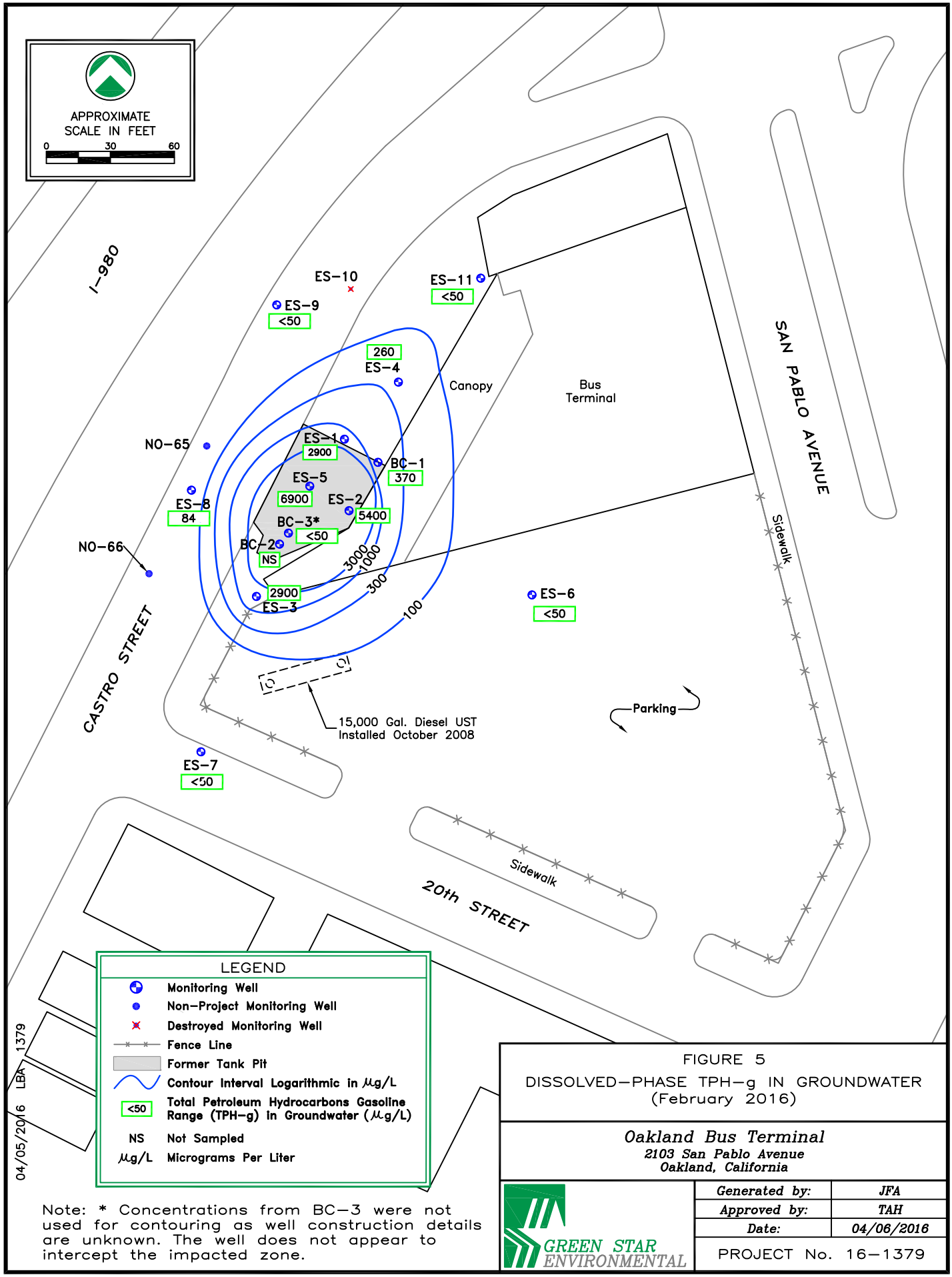
FIGURE 4
DISSOLVED-PHASE BENZENE IN GROUNDWATER
(February 2016)

Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California

GREEN STAR ENVIRONMENTAL

Generated by:	*JFA*
Approved by:	*TAH*
Date:	*04/06/2016*

PROJECT No. 16-1379



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

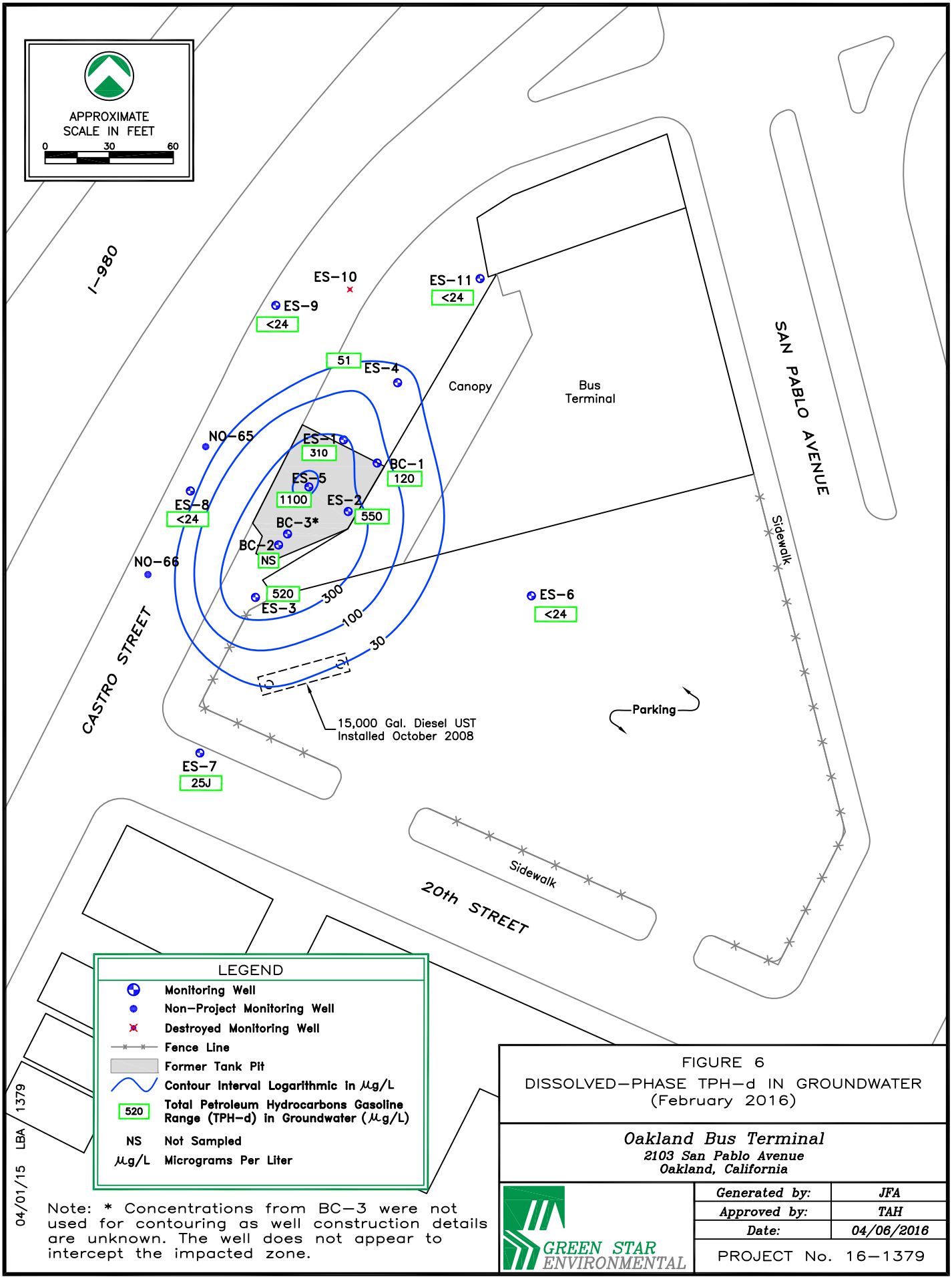
DISSOLVED-PHASE TPH-g IN GROUNDWATER
(February 2016)

Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California

GREEN STAR ENVIRONMENTAL

Generated by:	*JFA*
Approved by:	*TAH*
Date:	*04/06/2016*

PROJECT No. 16-1379



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.

04/01/15 LBA 1379

FIGURE 6
DISSOLVED-PHASE TPH-d IN GROUNDWATER
(February 2016)

Oakland Bus Terminal
2103 San Pablo Avenue
Oakland, California

GREEN STAR ENVIRONMENTAL

Generated by:	*JFA*
Approved by:	*TAH*
Date:	*04/06/2016*

PROJECT No. 16-1379

APPENDIX A

Analytical Results with Chain-of-Custody Documentation

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1602A18

Report Created for: Greenstar Environmental

354 McDonnell Street, Suite 9
Lewisville, TX 75057

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

Project Received: 02/24/2016

Analytical Report reviewed & approved for release on 03/02/2016 by:

Angela Rydelius,
Laboratory Manager

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"

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

Glossary of Terms & Qualifier Definitions

Client: Greenstar Environmental
Project: 1379; GLI Oakland
WorkOrder: 1602A18

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test
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
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
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
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Greenstar Environmental
Project: 1379; GLI Oakland
WorkOrder: 1602A18

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Surrogate 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
d17	Reporting limit for MTBE raised due to co-elution with non-target peaks.
e3	aged diesel is significant
e4	gasoline range compounds are significant.
e8	kerosene/kerosene range/jet fuel range

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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:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/27/16-3/1/16	**Analytical Method:**	SW8260B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-7	1602A18-001B	Water	02/23/2016 09:40	GC10	117337

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	02/27/2016 19:03
Benzene	ND	0.50	1	02/27/2016 19:03
t-Butyl alcohol (TBA)	ND	2.0	1	02/27/2016 19:03
1,2-Dibromoethane (EDB)	ND	0.50	1	02/27/2016 19:03
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	02/27/2016 19:03
Diisopropyl ether (DIPE)	ND	0.50	1	02/27/2016 19:03
Ethanol	ND	50	1	02/27/2016 19:03
Ethylbenzene	ND	0.50	1	02/27/2016 19:03
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	02/27/2016 19:03
Methyl-t-butyl ether (MTBE)	ND	0.50	1	02/27/2016 19:03
Naphthalene	ND	0.50	1	02/27/2016 19:03
Toluene	ND	0.50	1	02/27/2016 19:03
Xylenes, Total	ND	0.50	1	02/27/2016 19:03
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	109	70-130		02/27/2016 19:03
Toluene-d8	112	70-130		02/27/2016 19:03
4-BFB	82	70-130		02/27/2016 19:03

Analyst(s): KF

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

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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:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/27/16-3/1/16	**Analytical Method:**	SW8260B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-6	1602A18-002B	Water	02/23/2016 10:35	GC10	117337

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	02/27/2016 19:44
Benzene	ND	0.50	1	02/27/2016 19:44
t-Butyl alcohol (TBA)	ND	2.0	1	02/27/2016 19:44
1,2-Dibromoethane (EDB)	ND	0.50	1	02/27/2016 19:44
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	02/27/2016 19:44
Diisopropyl ether (DIPE)	ND	0.50	1	02/27/2016 19:44
Ethanol	ND	50	1	02/27/2016 19:44
Ethylbenzene	ND	0.50	1	02/27/2016 19:44
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	02/27/2016 19:44
Methyl-t-butyl ether (MTBE)	ND	0.50	1	02/27/2016 19:44
Naphthalene	ND	0.50	1	02/27/2016 19:44
Toluene	ND	0.50	1	02/27/2016 19:44
Xylenes, Total	ND	0.50	1	02/27/2016 19:44

Surrogates	REC (%)	Limits	
Dibromofluoromethane	109	70-130	02/27/2016 19:44
Toluene-d8	111	70-130	02/27/2016 19:44
4-BFB	81	70-130	02/27/2016 19:44

Analyst(s): KF

(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:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/27/16-3/1/16	**Analytical Method:**	SW8260B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-11	1602A18-003B	Water	02/23/2016 14:20	GC10	117337

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	02/27/2016 20:25
Benzene	ND	0.50	1	02/27/2016 20:25
t-Butyl alcohol (TBA)	ND	2.0	1	02/27/2016 20:25
1,2-Dibromoethane (EDB)	ND	0.50	1	02/27/2016 20:25
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	02/27/2016 20:25
Diisopropyl ether (DIPE)	ND	0.50	1	02/27/2016 20:25
Ethanol	ND	50	1	02/27/2016 20:25
Ethylbenzene	ND	0.50	1	02/27/2016 20:25
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	02/27/2016 20:25
Methyl-t-butyl ether (MTBE)	ND	0.50	1	02/27/2016 20:25
Naphthalene	ND	0.50	1	02/27/2016 20:25
Toluene	ND	0.50	1	02/27/2016 20:25
Xylenes, Total	ND	0.50	1	02/27/2016 20:25

Surrogates	REC (%)	Limits	
Dibromofluoromethane	110	70-130	02/27/2016 20:25
Toluene-d8	112	70-130	02/27/2016 20:25
4-BFB	81	70-130	02/27/2016 20:25

Analyst(s): KF

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/27/16-3/1/16	**Analytical Method:**	SW8260B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-4	1602A18-004B	Water	02/23/2016 15:15	GC10	117337

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	02/27/2016 21:06
Benzene	**5.3**	0.50	1	02/27/2016 21:06
t-Butyl alcohol (TBA)	ND	2.0	1	02/27/2016 21:06
1,2-Dibromoethane (EDB)	ND	0.50	1	02/27/2016 21:06
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	02/27/2016 21:06
Diisopropyl ether (DIPE)	**24**	0.50	1	02/27/2016 21:06
Ethanol	ND	50	1	02/27/2016 21:06
Ethylbenzene	ND	0.50	1	02/27/2016 21:06
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	02/27/2016 21:06
Methyl-t-butyl ether (MTBE)	ND	0.50	1	02/27/2016 21:06
Naphthalene	ND	0.50	1	02/27/2016 21:06
Toluene	ND	0.50	1	02/27/2016 21:06
Xylenes, Total	**0.72**	0.50	1	02/27/2016 21:06

Surrogates	REC (%)	Limits	
Dibromofluoromethane	110	70-130	02/27/2016 21:06
Toluene-d8	106	70-130	02/27/2016 21:06
4-BFB	88	70-130	02/27/2016 21:06

Analyst(s): KF

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/27/16-3/1/16	**Analytical Method:**	SW8260B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-1	1602A18-005B	Water	02/23/2016 16:08	GC10	117399

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	5.0	10	02/29/2016 21:56
Benzene	**230**	5.0	10	02/29/2016 21:56
t-Butyl alcohol (TBA)	ND	20	10	02/29/2016 21:56
1,2-Dibromoethane (EDB)	ND	5.0	10	02/29/2016 21:56
1,2-Dichloroethane (1,2-DCA)	ND	5.0	10	02/29/2016 21:56
Diisopropyl ether (DIPE)	**53**	5.0	10	02/29/2016 21:56
Ethanol	ND	500	10	02/29/2016 21:56
Ethylbenzene	**34**	5.0	10	02/29/2016 21:56
Ethyl tert-butyl ether (ETBE)	ND	5.0	10	02/29/2016 21:56
Methyl-t-butyl ether (MTBE)	ND	5.0	10	02/29/2016 21:56
Naphthalene	**11**	5.0	10	02/29/2016 21:56
Toluene	**20**	5.0	10	02/29/2016 21:56
Xylenes, Total	**71**	5.0	10	02/29/2016 21:56

Surrogates	REC (%)	Limits	
Dibromofluoromethane	105	70-130	02/29/2016 21:56
Toluene-d8	100	70-130	02/29/2016 21:56
4-BFB	102	70-130	02/29/2016 21:56

Analyst(s): KF

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/27/16-3/1/16	**Analytical Method:**	SW8260B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-3	1602A18-006B	Water	02/23/2016 16:58	GC10	117399

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	5.0	10	02/29/2016 21:15
Benzene	**41**	5.0	10	02/29/2016 21:15
t-Butyl alcohol (TBA)	ND	20	10	02/29/2016 21:15
1,2-Dibromoethane (EDB)	ND	5.0	10	02/29/2016 21:15
1,2-Dichloroethane (1,2-DCA)	ND	5.0	10	02/29/2016 21:15
Diisopropyl ether (DIPE)	**7.6**	5.0	10	02/29/2016 21:15
Ethanol	ND	500	10	02/29/2016 21:15
Ethylbenzene	**43**	5.0	10	02/29/2016 21:15
Ethyl tert-butyl ether (ETBE)	ND	5.0	10	02/29/2016 21:15
Methyl-t-butyl ether (MTBE)	ND	5.0	10	02/29/2016 21:15
Naphthalene	**21**	5.0	10	02/29/2016 21:15
Toluene	**14**	5.0	10	02/29/2016 21:15
Xylenes, Total	**66**	5.0	10	02/29/2016 21:15

Surrogates	REC (%)	Limits	
Dibromofluoromethane	104	70-130	02/29/2016 21:15
Toluene-d8	101	70-130	02/29/2016 21:15
4-BFB	97	70-130	02/29/2016 21:15

Analyst(s): KF

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/27/16-3/1/16	**Analytical Method:**	SW8260B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BC-3	1602A18-007B	Water	02/23/2016 17:43	GC10	117337

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	02/27/2016 21:46
Benzene	ND	0.50	1	02/27/2016 21:46
t-Butyl alcohol (TBA)	ND	2.0	1	02/27/2016 21:46
1,2-Dibromoethane (EDB)	ND	0.50	1	02/27/2016 21:46
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	02/27/2016 21:46
Diisopropyl ether (DIPE)	ND	0.50	1	02/27/2016 21:46
Ethanol	ND	50	1	02/27/2016 21:46
Ethylbenzene	ND	0.50	1	02/27/2016 21:46
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	02/27/2016 21:46
Methyl-t-butyl ether (MTBE)	ND	0.50	1	02/27/2016 21:46
Naphthalene	ND	0.50	1	02/27/2016 21:46
Toluene	ND	0.50	1	02/27/2016 21:46
Xylenes, Total	ND	0.50	1	02/27/2016 21:46
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	113	70-130		02/27/2016 21:46
Toluene-d8	112	70-130		02/27/2016 21:46
4-BFB	82	70-130		02/27/2016 21:46

Analyst(s): KF

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/27/16-3/1/16	**Analytical Method:**	SW8260B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BC-1	1602A18-008B	Water	02/24/2016 08:30	GC10	117337

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	02/27/2016 22:26
Benzene	**10**	0.50	1	02/27/2016 22:26
t-Butyl alcohol (TBA)	ND	2.0	1	02/27/2016 22:26
1,2-Dibromoethane (EDB)	ND	0.50	1	02/27/2016 22:26
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	02/27/2016 22:26
Diisopropyl ether (DIPE)	**50**	1.0	2	02/29/2016 15:50
Ethanol	ND	50	1	02/27/2016 22:26
Ethylbenzene	ND	0.50	1	02/27/2016 22:26
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	02/27/2016 22:26
Methyl-t-butyl ether (MTBE)	ND	0.50	1	02/27/2016 22:26
Naphthalene	ND	0.50	1	02/27/2016 22:26
Toluene	ND	0.50	1	02/27/2016 22:26
Xylenes, Total	**1.0**	0.50	1	02/27/2016 22:26

Surrogates	REC (%)	Limits	
Dibromofluoromethane	109	70-130	02/27/2016 22:26
Toluene-d8	105	70-130	02/27/2016 22:26
4-BFB	93	70-130	02/27/2016 22:26

Analyst(s): AK, KF

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/27/16-3/1/16	**Analytical Method:**	SW8260B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-5	1602A18-009B	Water	02/24/2016 09:24	GC10	117399

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	5.0	10	02/29/2016 20:34
Benzene	**300**	5.0	10	02/29/2016 20:34
t-Butyl alcohol (TBA)	ND	20	10	02/29/2016 20:34
1,2-Dibromoethane (EDB)	ND	5.0	10	02/29/2016 20:34
1,2-Dichloroethane (1,2-DCA)	ND	5.0	10	02/29/2016 20:34
Diisopropyl ether (DIPE)	ND	5.0	10	02/29/2016 20:34
Ethanol	ND	500	10	02/29/2016 20:34
Ethylbenzene	**200**	5.0	10	02/29/2016 20:34
Ethyl tert-butyl ether (ETBE)	ND	5.0	10	02/29/2016 20:34
Methyl-t-butyl ether (MTBE)	ND	5.0	10	02/29/2016 20:34
Naphthalene	**75**	5.0	10	02/29/2016 20:34
Toluene	**140**	5.0	10	02/29/2016 20:34
Xylenes, Total	**240**	5.0	10	02/29/2016 20:34

Surrogates	REC (%)	Limits	
Dibromofluoromethane	101	70-130	02/29/2016 20:34
Toluene-d8	100	70-130	02/29/2016 20:34
4-BFB	95	70-130	02/29/2016 20:34

Analyst(s): KF

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/27/16-3/1/16	**Analytical Method:**	SW8260B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-2	1602A18-010B	Water	02/24/2016 10:15	GC28	117399

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	25	50	03/01/2016 14:48
Benzene	**950**	25	50	03/01/2016 14:48
t-Butyl alcohol (TBA)	ND	100	50	03/01/2016 14:48
1,2-Dibromoethane (EDB)	ND	25	50	03/01/2016 14:48
1,2-Dichloroethane (1,2-DCA)	ND	25	50	03/01/2016 14:48
Diisopropyl ether (DIPE)	**97**	25	50	03/01/2016 14:48
Ethanol	ND	2500	50	03/01/2016 14:48
Ethylbenzene	ND	25	50	03/01/2016 14:48
Ethyl tert-butyl ether (ETBE)	ND	25	50	03/01/2016 14:48
Methyl-t-butyl ether (MTBE)	ND	25	50	03/01/2016 14:48
Naphthalene	ND	25	50	03/01/2016 14:48
Toluene	**44**	25	50	03/01/2016 14:48
Xylenes, Total	**50**	25	50	03/01/2016 14:48

Surrogates	REC (%)	Limits	
Dibromofluoromethane	108	70-130	03/01/2016 14:48
Toluene-d8	115	70-130	03/01/2016 14:48
4-BFB	93	70-130	03/01/2016 14:48

Analyst(s): KF

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/27/16-3/1/16	**Analytical Method:**	SW8260B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-8	1602A18-011B	Water	02/24/2016 11:50	GC10	117337

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	02/27/2016 23:07
Benzene	**0.93**	0.50	1	02/27/2016 23:07
t-Butyl alcohol (TBA)	ND	2.0	1	02/27/2016 23:07
1,2-Dibromoethane (EDB)	ND	0.50	1	02/27/2016 23:07
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	02/27/2016 23:07
Diisopropyl ether (DIPE)	**8.0**	0.50	1	02/27/2016 23:07
Ethanol	ND	50	1	02/27/2016 23:07
Ethylbenzene	ND	0.50	1	02/27/2016 23:07
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	02/27/2016 23:07
Methyl-t-butyl ether (MTBE)	ND	0.50	1	02/27/2016 23:07
Naphthalene	ND	0.50	1	02/27/2016 23:07
Toluene	ND	0.50	1	02/27/2016 23:07
Xylenes, Total	ND	0.50	1	02/27/2016 23:07

Surrogates	REC (%)	Limits	
Dibromofluoromethane	111	70-130	02/27/2016 23:07
Toluene-d8	111	70-130	02/27/2016 23:07
4-BFB	88	70-130	02/27/2016 23:07

Analyst(s): KF

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/27/16-3/1/16	**Analytical Method:**	SW8260B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-9	1602A18-012B	Water	02/24/2016 12:51	GC10	117337

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	02/27/2016 23:48
Benzene	ND	0.50	1	02/27/2016 23:48
t-Butyl alcohol (TBA)	ND	2.0	1	02/27/2016 23:48
1,2-Dibromoethane (EDB)	ND	0.50	1	02/27/2016 23:48
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	02/27/2016 23:48
Diisopropyl ether (DIPE)	**0.75**	0.50	1	02/27/2016 23:48
Ethanol	ND	50	1	02/27/2016 23:48
Ethylbenzene	ND	0.50	1	02/27/2016 23:48
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	02/27/2016 23:48
Methyl-t-butyl ether (MTBE)	ND	0.50	1	02/27/2016 23:48
Naphthalene	ND	0.50	1	02/27/2016 23:48
Toluene	ND	0.50	1	02/27/2016 23:48
Xylenes, Total	ND	0.50	1	02/27/2016 23:48

Surrogates	REC (%)	Limits	
Dibromofluoromethane	113	70-130	02/27/2016 23:48
Toluene-d8	112	70-130	02/27/2016 23:48
4-BFB	83	70-130	02/27/2016 23:48

Analyst(s): KF

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/26/16-3/1/16	**Analytical Method:**	SW8021B/8015Bm
Project:	1379; GLI Oakland	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-7	1602A18-001A	Water	02/23/2016 09:40	GC3	117339

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	02/26/2016 19:02
MTBE	---	5.0	1	02/26/2016 19:02
Benzene	---	0.50	1	02/26/2016 19:02
Toluene	---	0.50	1	02/26/2016 19:02
Ethylbenzene	---	0.50	1	02/26/2016 19:02
Xylenes	---	1.5	1	02/26/2016 19:02

Surrogates	REC (%)	Limits	
aaa-TFT	103	70-130	02/26/2016 19:02

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-6	1602A18-002A	Water	02/23/2016 10:35	GC3	117339

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	02/26/2016 19:32
MTBE	---	5.0	1	02/26/2016 19:32
Benzene	---	0.50	1	02/26/2016 19:32
Toluene	---	0.50	1	02/26/2016 19:32
Ethylbenzene	---	0.50	1	02/26/2016 19:32
Xylenes	---	1.5	1	02/26/2016 19:32

Surrogates	REC (%)	Limits	
aaa-TFT	100	70-130	02/26/2016 19:32

Analyst(s): IA

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/26/16-3/1/16	**Analytical Method:**	SW8021B/8015Bm
Project:	1379; GLI Oakland	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-11	1602A18-003A	Water	02/23/2016 14:20	GC3	117339

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	02/26/2016 20:03
MTBE	---	5.0	1	02/26/2016 20:03
Benzene	---	0.50	1	02/26/2016 20:03
Toluene	---	0.50	1	02/26/2016 20:03
Ethylbenzene	---	0.50	1	02/26/2016 20:03
Xylenes	---	1.5	1	02/26/2016 20:03

Surrogates	REC (%)	Limits	
aaa-TFT	102	70-130	02/26/2016 20:03

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-4	1602A18-004A	Water	02/23/2016 15:15	GC3	117339

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**260**	50	1	02/26/2016 20:33
MTBE	---	5.0	1	02/26/2016 20:33
Benzene	---	0.50	1	02/26/2016 20:33
Toluene	---	0.50	1	02/26/2016 20:33
Ethylbenzene	---	0.50	1	02/26/2016 20:33
Xylenes	---	1.5	1	02/26/2016 20:33

Surrogates	REC (%)	Limits	
aaa-TFT	119	70-130	02/26/2016 20:33

Analyst(s): IA Analytical Comments: d1

(Cont.)

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/26/16-3/1/16	**Analytical Method:**	SW8021B/8015Bm
Project:	1379; GLI Oakland	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-1	1602A18-005A	Water	02/23/2016 16:08	GC3	117340

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**2900**	250	5	03/01/2016 15:37
MTBE	---	45	5	03/01/2016 15:37
Benzene	---	2.5	5	03/01/2016 15:37
Toluene	---	2.5	5	03/01/2016 15:37
Ethylbenzene	---	2.5	5	03/01/2016 15:37
Xylenes	---	7.5	5	03/01/2016 15:37

Surrogates	REC (%)	Limits	
aaa-TFT	118	70-130	03/01/2016 15:37

Analyst(s): IA Analytical Comments: d1,d17

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-3	1602A18-006A	Water	02/23/2016 16:58	GC3	117340

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**2900**	500	10	02/28/2016 00:06
MTBE	---	50	10	02/28/2016 00:06
Benzene	---	5.0	10	02/28/2016 00:06
Toluene	---	5.0	10	02/28/2016 00:06
Ethylbenzene	---	5.0	10	02/28/2016 00:06
Xylenes	---	15	10	02/28/2016 00:06

Surrogates	REC (%)	Limits	
aaa-TFT	127	70-130	02/28/2016 00:06

Analyst(s): IA Analytical Comments: d1

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/26/16-3/1/16	**Analytical Method:**	SW8021B/8015Bm
Project:	1379; GLI Oakland	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BC-3	1602A18-007A	Water	02/23/2016 17:43	GC3	117339

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	02/26/2016 22:04
MTBE	---	5.0	1	02/26/2016 22:04
Benzene	---	0.50	1	02/26/2016 22:04
Toluene	---	0.50	1	02/26/2016 22:04
Ethylbenzene	---	0.50	1	02/26/2016 22:04
Xylenes	---	1.5	1	02/26/2016 22:04

Surrogates	REC (%)	Limits	
aaa-TFT	100	70-130	02/26/2016 22:04

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BC-1	1602A18-008A	Water	02/24/2016 08:30	GC3	117339

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**370**	50	1	02/26/2016 22:34
MTBE	---	5.0	1	02/26/2016 22:34
Benzene	---	0.50	1	02/26/2016 22:34
Toluene	---	0.50	1	02/26/2016 22:34
Ethylbenzene	---	0.50	1	02/26/2016 22:34
Xylenes	---	1.5	1	02/26/2016 22:34

Surrogates	REC (%)	Qualifiers	Limits	
aaa-TFT	131	S	70-130	02/26/2016 22:34

Analyst(s): IA Analytical Comments: d1,c4

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/26/16-3/1/16	**Analytical Method:**	SW8021B/8015Bm
Project:	1379; GLI Oakland	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-5	1602A18-009A	Water	02/24/2016 09:24	GC3	117340

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**6900**	500	10	02/28/2016 00:36
MTBE	---	300	10	02/28/2016 00:36
Benzene	---	5.0	10	02/28/2016 00:36
Toluene	---	5.0	10	02/28/2016 00:36
Ethylbenzene	---	5.0	10	02/28/2016 00:36
Xylenes	---	15	10	02/28/2016 00:36

Surrogates	REC (%)	Limits	
aaa-TFT	117	70-130	02/28/2016 00:36

Analyst(s): IA Analytical Comments: d1,d17

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-2	1602A18-010A	Water	02/24/2016 10:15	GC3	117340

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**5400**	500	10	02/28/2016 01:06
MTBE	---	110	10	02/28/2016 01:06
Benzene	---	5.0	10	02/28/2016 01:06
Toluene	---	5.0	10	02/28/2016 01:06
Ethylbenzene	---	5.0	10	02/28/2016 01:06
Xylenes	---	15	10	02/28/2016 01:06

Surrogates	REC (%)	Limits	
aaa-TFT	119	70-130	02/28/2016 01:06

Analyst(s): IA Analytical Comments: d1,d17

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Analytical Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW5030B
Date Prepared:	2/26/16-3/1/16	**Analytical Method:**	SW8021B/8015Bm
Project:	1379; GLI Oakland	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-8	1602A18-011A	Water	02/24/2016 11:50	GC3	117339

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**84**	50	1	02/26/2016 23:04
MTBE	---	5.0	1	02/26/2016 23:04
Benzene	---	0.50	1	02/26/2016 23:04
Toluene	---	0.50	1	02/26/2016 23:04
Ethylbenzene	---	0.50	1	02/26/2016 23:04
Xylenes	---	1.5	1	02/26/2016 23:04

Surrogates	REC (%)	Limits	
aaa-TFT	109	70-130	02/26/2016 23:04

Analyst(s): IA Analytical Comments: d1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-9	1602A18-012A	Water	02/24/2016 12:51	GC3	117339

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	02/26/2016 23:34
MTBE	---	5.0	1	02/26/2016 23:34
Benzene	---	0.50	1	02/26/2016 23:34
Toluene	---	0.50	1	02/26/2016 23:34
Ethylbenzene	---	0.50	1	02/26/2016 23:34
Xylenes	---	1.5	1	02/26/2016 23:34

Surrogates	REC (%)	Limits	
aaa-TFT	99	70-130	02/26/2016 23:34

Analyst(s): IA

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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW3510C/3630C
Date Prepared:	2/24/16	**Analytical Method:**	SW8015B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/ SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-7	1602A18-001A	Water	02/23/2016 09:40	GC2B	117201

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**25**	J	24	50	1	02/25/2016 13:45
TPH-Motor Oil (C18-C36)	**170**	J	65	250	1	02/25/2016 13:45

Surrogates	REC (%)	Limits	
C9	91	70-130	02/25/2016 13:45

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-6	1602A18-002A	Water	02/23/2016 10:35	GC2A	117201

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND		24	50	1	02/25/2016 13:45
TPH-Motor Oil (C18-C36)	**100**	J	65	250	1	02/25/2016 13:45

Surrogates	REC (%)	Limits	
C9	92	70-130	02/25/2016 13:45

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-11	1602A18-003A	Water	02/23/2016 14:20	GC2B	117201

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND		24	50	1	02/25/2016 15:08
TPH-Motor Oil (C18-C36)	**150**	J	65	250	1	02/25/2016 15:08

Surrogates	REC (%)	Limits	
C9	91	70-130	02/25/2016 15:08

Analyst(s): TK

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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW3510C/3630C
Date Prepared:	2/24/16	**Analytical Method:**	SW8015B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/ SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-4	1602A18-004A	Water	02/23/2016 15:15	GC2A	117201

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**51**		24	50	1	02/25/2016 15:08
TPH-Motor Oil (C18-C36)	**160**	J	65	250	1	02/25/2016 15:08

Surrogates	REC (%)	Limits	
C9	90	70-130	02/25/2016 15:08

Analyst(s): TK Analytical Comments: e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-1	1602A18-005A	Water	02/23/2016 16:08	GC9a	117201

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**310**		24	50	1	02/25/2016 18:18
TPH-Motor Oil (C18-C36)	**100**	J	65	250	1	02/25/2016 18:18

Surrogates	REC (%)	Limits	
C9	93	70-130	02/25/2016 18:18

Analyst(s): TK Analytical Comments: e4

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-3	1602A18-006A	Water	02/23/2016 16:58	GC9a	117201

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**520**		24	50	1	02/25/2016 18:56
TPH-Motor Oil (C18-C36)	**82**	J	65	250	1	02/25/2016 18:56

Surrogates	REC (%)	Limits	
C9	93	70-130	02/25/2016 18:56

Analyst(s): TK Analytical Comments: e4

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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW3510C/3630C
Date Prepared:	2/24/16	**Analytical Method:**	SW8015B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/ SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BC-3	1602A18-007A	Water	02/23/2016 17:43	GC9b	117201

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	24	50	1	02/25/2016 18:56
TPH-Motor Oil (C18-C36)	ND	65	250	1	02/25/2016 18:56

Surrogates	REC (%)	Limits	
C9	95	70-130	02/25/2016 18:56

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BC-1	1602A18-008A	Water	02/24/2016 08:30	GC9b	117201

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**120**		24	50	1	02/25/2016 18:18
TPH-Motor Oil (C18-C36)	**120**	J	65	250	1	02/25/2016 18:18

Surrogates	REC (%)	Limits	
C9	96	70-130	02/25/2016 18:18

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-5	1602A18-009A	Water	02/24/2016 09:24	GC9b	117201

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1100**	24	50	1	02/25/2016 17:39
TPH-Motor Oil (C18-C36)	ND	65	250	1	02/25/2016 17:39

Surrogates	REC (%)	Limits	
C9	103	70-130	02/25/2016 17:39

Analyst(s): TK Analytical Comments: e4

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Analytical Report

Client:	Green Star Environmental	**WorkOrder:**	1602A18
Date Received:	2/24/16 19:46	**Extraction Method:**	SW3510C/3630C
Date Prepared:	2/24/16	**Analytical Method:**	SW8015B
Project:	1379; GLI Oakland	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/ SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-2	1602A18-010A	Water	02/24/2016 10:15	GC9b	117201

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**550**	24	50	1	02/25/2016 17:00
TPH-Motor Oil (C18-C36)	ND	65	250	1	02/25/2016 17:00

Surrogates	REC (%)	Limits	
C9	100	70-130	02/25/2016 17:00

Analyst(s): TK Analytical Comments: e4

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-8	1602A18-011A	Water	02/24/2016 11:50	GC9b	117201

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	24	50	1	02/25/2016 16:21
TPH-Motor Oil (C18-C36)	ND	65	250	1	02/25/2016 16:21

Surrogates	REC (%)	Limits	
C9	96	70-130	02/25/2016 16:21

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
ES-9	1602A18-012A	Water	02/24/2016 12:51	GC9b	117201

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	24	50	1	02/25/2016 15:33
TPH-Motor Oil (C18-C36)	ND	65	250	1	02/25/2016 15:33

Surrogates	REC (%)	Limits	
C9	95	70-130	02/25/2016 15:33

Analyst(s): TK

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Quality Control Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Prepared:	2/27/16	**BatchID:**	117337
Date Analyzed:	2/27/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	1379; GLI Oakland	**Sample ID:**	MB/LCS-117337 1602A18-012BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	11.4	0.50	10	-	114	54-140
Benzene	ND	10.7	0.50	10	-	107	47-158
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	43.5	2.0	40	-	109	42-140
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	11.3	0.50	10	-	113	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	11.6	0.50	10	-	116	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	10.2	0.50	10	-	103	66-125
1,1-Dichloroethene	ND	9.75	0.50	10	-	97	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-

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Quality Control Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Prepared:	2/27/16	**BatchID:**	117337
Date Analyzed:	2/27/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	1379; GLI Oakland	**Sample ID:**	MB/LCS-117337 1602A18-012BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	10.8	0.50	10	-	107	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	11.0	0.50	10	-	110	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	11.0	0.50	10	-	110	53-139
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	9.96	0.50	10	-	100	52-137
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	11.4	0.50	10	-	114	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-

(Cont.)

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Quality Control Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Prepared:	2/27/16	**BatchID:**	117337
Date Analyzed:	2/27/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	1379; GLI Oakland	**Sample ID:**	MB/LCS-117337 1602A18-012BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	26.8	27.3		25	107	109	70-130
Toluene-d8	27.9	27.6		25	112	110	70-130
4-BFB	1.96	2.10		2.5	78	84	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	11.6	11.5	10	ND	116	115	69-139	1.10	20
Benzene	10.2	10.0	10	ND	102	100	69-141	1.41	20
t-Butyl alcohol (TBA)	46.0	45.8	40	ND	115	114	41-152	0.464	20
Chlorobenzene	10.8	10.6	10	ND	108	106	77-120	0.972	20
1,2-Dibromoethane (EDB)	11.7	11.7	10	ND	117	117	76-135	0	20
1,2-Dichloroethane (1,2-DCA)	10.5	10.5	10	ND	105	105	73-139	0	20
1,1-Dichloroethene	8.69	8.36	10	ND	87	84	59-140	3.93	20
Diisopropyl ether (DIPE)	10.9	10.8	10	0.7527	102	100	72-140	1.12	20
Ethyl tert-butyl ether (ETBE)	10.9	10.8	10	ND	109	108	71-140	1.02	20
Methyl-t-butyl ether (MTBE)	11.2	11.0	10	ND	112	110	73-139	1.51	20
Toluene	9.53	9.45	10	ND	95	95	71-128	0	20
Trichloroethene	10.9	10.7	10	ND	109	107	64-132	1.32	20
Surrogate Recovery									
Dibromofluoromethane	28.4	28.3	25		114	113	73-131	0.303	20
Toluene-d8	27.8	27.6	25		111	110	72-117	0.585	20
4-BFB	2.26	2.23	2.5		90	89	74-116	1.14	20

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Quality Control Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Prepared:	2/29/16	**BatchID:**	117399
Date Analyzed:	2/29/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	1379; GLI Oakland	**Sample ID:**	MB/LCS-117399

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	10.5	0.50	10	-	105	54-140
Benzene	ND	10.0	0.50	10	-	100	47-158
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	38.8	2.0	40	-	97	42-140
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	10.1	0.50	10	-	101	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	9.88	0.50	10	-	99	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	9.20	0.50	10	-	92	66-125
1,1-Dichloroethene	ND	10.5	0.50	10	-	105	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-

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Quality Control Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Prepared:	2/29/16	**BatchID:**	117399
Date Analyzed:	2/29/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	1379; GLI Oakland	**Sample ID:**	MB/LCS-117399

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	9.76	0.50	10	-	98	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	10.2	0.50	10	-	102	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	9.76	0.50	10	-	98	53-139
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	10.3	0.50	10	-	103	52-137
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	10.5	0.50	10	-	105	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-

(Cont.)

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Quality Control Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Prepared:	2/29/16	**BatchID:**	117399
Date Analyzed:	2/29/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	1379; GLI Oakland	**Sample ID:**	MB/LCS-117399

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	26.0	26.3		25	104	105	70-130
Toluene-d8	25.5	25.4		25	102	101	70-130
4-BFB	2.13	2.19		2.5	85	87	70-130

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Quality Control Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Prepared:	2/26/16	**BatchID:**	117339
Date Analyzed:	2/26/16	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	1379; GLI Oakland	**Sample ID:**	MB/LCS-117339 1602937-001BMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	56.5	40	60	-	94	70-130
MTBE	ND	8.64	5.0	10	-	86	70-130
Benzene	ND	8.86	0.50	10	-	89	70-130
Toluene	ND	8.97	0.50	10	-	90	70-130
Ethylbenzene	ND	9.15	0.50	10	-	91	70-130
Xylenes	ND	27.7	1.5	30	-	92	70-130
Surrogate Recovery							
aaa-TFT	9.73	9.68		10	97	97	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	57.0	59.1	60	ND	95	99	70-130	0	20
MTBE	8.82	9.48	10	ND	88	95	70-130	0	20
Benzene	9.79	9.72	10	ND	98	97	70-130	0	20
Toluene	10.1	10.1	10	ND	101	101	70-130	0	20
Ethylbenzene	10.1	10.2	10	ND	101	101	70-130	0	20
Xylenes	30.3	30.7	30	ND	101	102	70-130	0	20
Surrogate Recovery									
aaa-TFT	10.2	10.1	10		102	101	70-130	0	20

(Cont.)

CDPH ELAP 1644 ♦ NELAP 4033ORELAP

QA/QC Officer

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Quality Control Report

Client:	Greenstar Environmental	**WorkOrder:**	1602A18
Date Prepared:	2/27/16	**BatchID:**	117340
Date Analyzed:	2/27/16	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	1379; GLI Oakland	**Sample ID:**	MB/LCS-117340 1602A18-009AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	55.6	40	60	-	93	70-130
MTBE	ND	8.76	5.0	10	-	88	70-130
Benzene	ND	9.41	0.50	10	-	94	70-130
Toluene	ND	9.47	0.50	10	-	95	70-130
Ethylbenzene	ND	9.61	0.50	10	-	96	70-130
Xylenes	ND	29.2	1.5	30	-	97	70-130
Surrogate Recovery							
aaa-TFT	10.0	9.99		10	100	100	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	NR	NR		2400	NR	NR	-	NR	
MTBE	NR	NR		ND	NR	NR	-	NR	
Benzene	NR	NR		510	NR	NR	-	NR	
Toluene	NR	NR		140	NR	NR	-	NR	
Ethylbenzene	NR	NR		230	NR	NR	-	NR	
Xylenes	NR	NR		260	NR	NR	-	NR	
Surrogate Recovery									
aaa-TFT	NR	NR			NR	NR	-	NR	

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Quality Control Report

Client:	Green Star Environmental	**WorkOrder:**	1602A18
Date Prepared:	2/24/16	**BatchID:**	117201
Date Analyzed:	2/25/16	**Extraction Method:**	SW3510C/3630C
Instrument:	GC39A, GC39B	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	1379; GLI Oakland	**Sample ID:**	MB/LCS-117201

QC Report for SW8015B w/ SG Clean-Up

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	869	24	50	1000	-	87	59-151
TPH-Motor Oil (C18-C36)	ND	-	65	250	-	-	-	-
Surrogate Recovery								
C9	633	644			625	101	103	65-122

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1602A18 **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:
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: **02/24/2016**
Date Logged: **02/24/2016**

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
1602A18-001	ES-7	Water	2/23/2016 9:40	☐	B	A	B	A								
1602A18-002	ES-6	Water	2/23/2016 10:35	☐	B	A		A								
1602A18-003	ES-11	Water	2/23/2016 14:20	☐	B	A		A								
1602A18-004	ES-4	Water	2/23/2016 15:15	☐	B	A		A								
1602A18-005	ES-1	Water	2/23/2016 16:08	☐	B	A		A								
1602A18-006	ES-3	Water	2/23/2016 16:58	☐	B	A		A								
1602A18-007	BC-3	Water	2/23/2016 17:43	☐	B	A		A								
1602A18-008	BC-1	Water	2/24/2016 8:30	☐	B	A		A								
1602A18-009	ES-5	Water	2/24/2016 9:24	☐	B	A		A								
1602A18-010	ES-2	Water	2/24/2016 10:15	☐	B	A		A								
1602A18-011	ES-8	Water	2/24/2016 11:50	☐	B	A		A								
1602A18-012	ES-9	Water	2/24/2016 12:51	☐	B	A		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	

Project Manager:

Prepared by: Jena Alfaro

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

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
QC Level: LEVEL 2
Work Order: 1602A18
Project: 1379; GLI Oakland
Client Contact: Terrance A. Harriman
Date Logged: 2/24/2016
Comments:
Contact's Email: taharriman@greenstarenvironmental.com

☐ 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
1602A18-001A	ES-7	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/23/2016 9:40	5 days	Present	☐	
1602A18-001B	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), Naphthalene, t-Butyl alcohol (TBA), tert-Amyl methyl ether (TAME), Toluene,	2	VOA w/ HCl	☐	2/23/2016 9:40	5 days	Present	☐	
1602A18-002A	ES-6	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/23/2016 10:35	5 days	Present	☐	
1602A18-002B	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), Naphthalene, t-Butyl alcohol (TBA), tert-Amyl methyl ether (TAME), Toluene,	2	VOA w/ HCl	☐	2/23/2016 10:35	5 days	Present	☐	
1602A18-003A	ES-11	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/23/2016 14:20	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
QC Level: LEVEL 2
Work Order: 1602A18
Project: 1379; GLI Oakland
Client Contact: Terrance A. Harriman
Date Logged: 2/24/2016
Comments:
Contact's Email: taharriman@greenstarenvironmental.com

☐ 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
1602A18-003B	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), Naphthalene, t-Butyl alcohol (TBA), tert-Amyl methyl ether (TAME), Toluene,	2	VOA w/ HCl	☐	2/23/2016 14:20	5 days	Present	☐	
1602A18-004A	ES-4	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/23/2016 15:15	5 days	Present	☐	
1602A18-004B	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), Naphthalene, t-Butyl alcohol (TBA), tert-Amyl methyl ether (TAME), Toluene,	2	VOA w/ HCl	☐	2/23/2016 15:15	5 days	Present	☐	
1602A18-005A	ES-1	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/23/2016 16:08	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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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
QC Level: LEVEL 2
Work Order: 1602A18
Project: 1379; GLI Oakland
Client Contact: Terrance A. Harriman
Date Logged: 2/24/2016
Comments:
Contact's Email: taharriman@greenstarenvironmental.com

☐ 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
1602A18-005B	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), Naphthalene, t-Butyl alcohol (TBA), tert-Amyl methyl ether (TAME), Toluene,	2	VOA w/ HCl	☐	2/23/2016 16:08	5 days	Present	☐	
1602A18-006A	ES-3	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/23/2016 16:58	5 days	Present	☐	
1602A18-006B	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), Naphthalene, t-Butyl alcohol (TBA), tert-Amyl methyl ether (TAME), Toluene,	2	VOA w/ HCl	☐	2/23/2016 16:58	5 days	Present	☐	
1602A18-007A	BC-3	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/23/2016 17:43	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

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Project: 1379; GLI Oakland
Comments:

QC Level: LEVEL 2
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Contact's Email: taharriman@greenstarenvironmental.com

Work Order: 1602A18
Date Logged: 2/24/2016

☐ 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
1602A18-007B	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), Naphthalene, t-Butyl alcohol (TBA), tert-Amyl methyl ether (TAME), Toluene,	2	VOA w/ HCl	☐	2/23/2016 17:43	5 days	Present	☐	
1602A18-008A	BC-1	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/24/2016 8:30	5 days	Present	☐	
1602A18-008B	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), Naphthalene, t-Butyl alcohol (TBA), tert-Amyl methyl ether (TAME), Toluene,	2	VOA w/ HCl	☐	2/24/2016 8:30	5 days	Present	☐	
1602A18-009A	ES-5	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/24/2016 9:24	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

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Project: 1379; GLI Oakland
Comments:

QC Level: LEVEL 2
Client Contact: Terrance A. Harriman
Contact's Email: taharriman@greenstarenvironmental.com

Work Order: 1602A18
Date Logged: 2/24/2016

☐ 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
1602A18-009B	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), Naphthalene, t-Butyl alcohol (TBA), tert-Amyl methyl ether (TAME), Toluene,	2	VOA w/ HCl	☐	2/24/2016 9:24	5 days	Present	☐	
1602A18-010A	ES-2	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/24/2016 10:15	5 days	Present	☐	
1602A18-010B	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), Naphthalene, t-Butyl alcohol (TBA), tert-Amyl methyl ether (TAME), Toluene,	2	VOA w/ HCl	☐	2/24/2016 10:15	5 days	Present	☐	
1602A18-011A	ES-8	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/24/2016 11:50	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: LEVEL 2
Client Contact: Terrance A. Harriman
Contact's Email: taharriman@greenstarenvironmental.com

Work Order: 1602A18
Date Logged: 2/24/2016

☐ 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
1602A18-011B	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), Naphthalene, t-Butyl alcohol (TBA), tert-Amyl methyl ether (TAME), Toluene,	2	VOA w/ HCl	☐	2/24/2016 11:50	5 days	Present	☐	
1602A18-012A	ES-9	Water	Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/24/2016 12:51	5 days	Present	☐	
1602A18-012B	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), Naphthalene, t-Butyl alcohol (TBA), tert-Amyl methyl ether (TAME), Toluene,	2	VOA w/ HCl	☐	2/24/2016 12:51	5 days	Present	☐	
1602A18-013A	Trip Blank	Water		2	VOA w/ HCl	☐	2/24/2016		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).

- 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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1602A18

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☐
GeoTracker EDF ☒ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☒
Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐ ; Claim #_____

Report To: Terrance Harriman **Bill To:**
Company: Green Star Environmental
354 McDonnel Street, Suite 9, Lewisville, TX 75057
Tele: (214) 722-8752 **E-Mail:** taharriman@greenstarenvironmental
Project #: 1379 **Project Name:** GLI Oakland
Project Location: 2103 San Pablo Ave. **Purchase Order#**
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-7		2-23-16	9:40	6	✓								☐		2
ES-6		2-23-16	10:35	6	✓								4		2
ES-11		2-23-16	14:20	6	✓								4		2
ES-4		2-23-16	15:15	6	✓								4		2
ES-1		2-23-16	16:08	6	✓								4		2
ES-3		2-23-16	16:58	6	✓								4		2
BC-3		2-23-16	17:43	6	✓								4		2
BG-1		2-24-16	8:30	6	✓								4		2
ES-5		2-24-16	9:24	6	✓								4		2
ES-2		2-24-16	10:15	6	✓								4		2
ES-8		2-24-16	11:50	6	✓								4		2
ES-9		2-24-16	12:51	6	✓								4		2

Analysis Request

BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) (Silica Gel)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	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	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals analysis	Hold	Please Report MDL & J Flags
✓	✓							✓								✓
✓	✓							✓								✓
✓	✓							✓								✓
✓	✓							✓								✓
✓	✓							✓								✓
✓	✓							✓								✓
✓	✓							✓								✓
✓	✓							✓								✓
✓	✓							✓								✓
✓	✓							✓								✓
✓	✓							✓								✓
✓	✓							✓								✓

**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.

*** If metals are requested for water samples and the water type is not specified on the chain of custody, then MAI will default to metals by E200.8.

Relinquished By:	Date:	Time:	Received By:
	2-24-16	15:45	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 11 Wet
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

COMMENTS:

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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Sample Receipt Checklist

Client Name:	**Green Star Environmental**	Date and Time Received:	**2/24/2016 16:18**
Project Name:	**1379; GLI Oakland**	Date Logged:	**2/24/2016**
WorkOrder №:	**1602A18** Matrix: Water	Received by:	Briana Cutino
Carrier:	Client Drop-In	Logged by:	Jena Alfaro

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: 1.9°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:

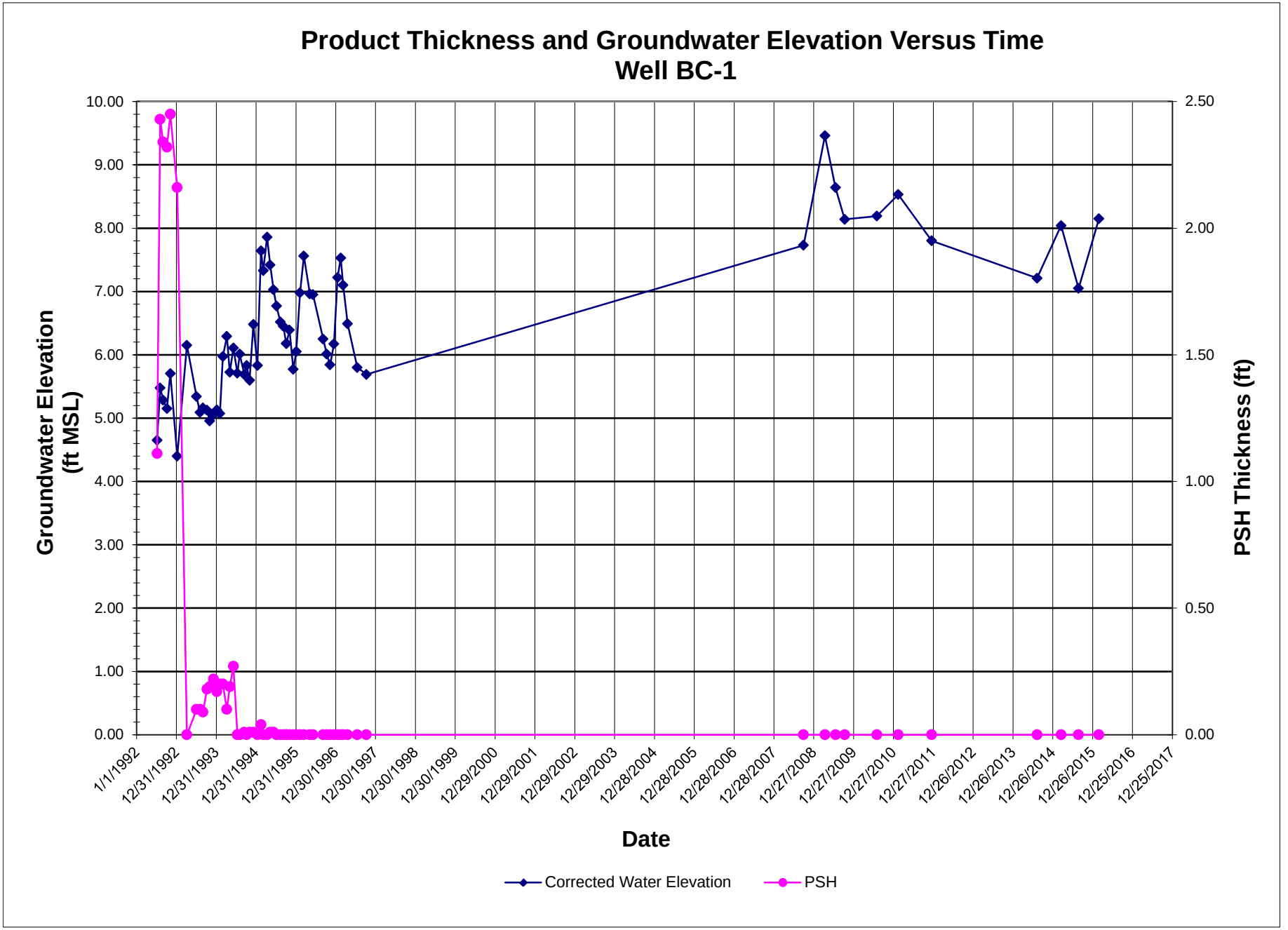
Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

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

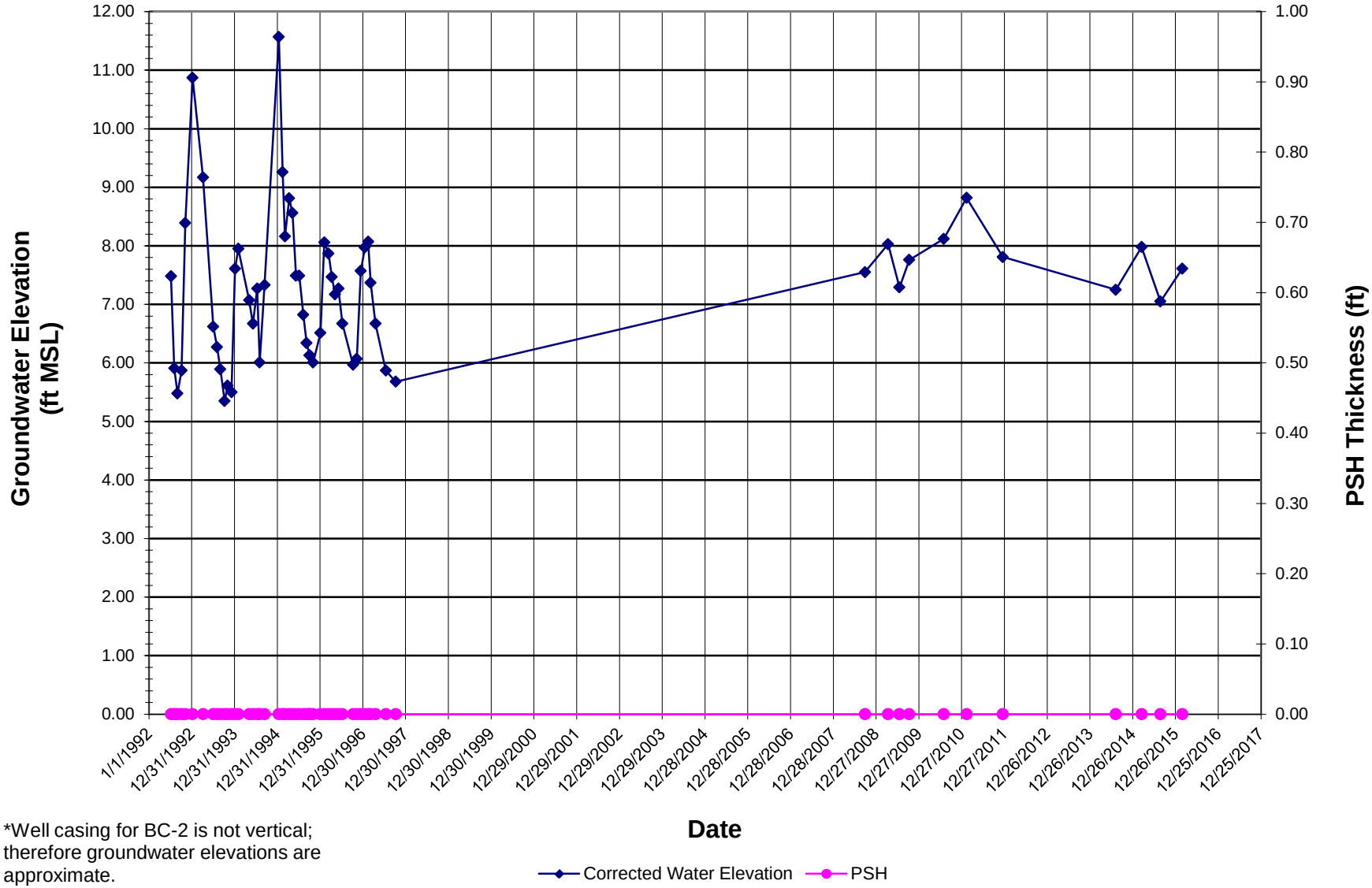
Comments:

APPENDIX B

PSH Thickness and Groundwater Elevation Graphs

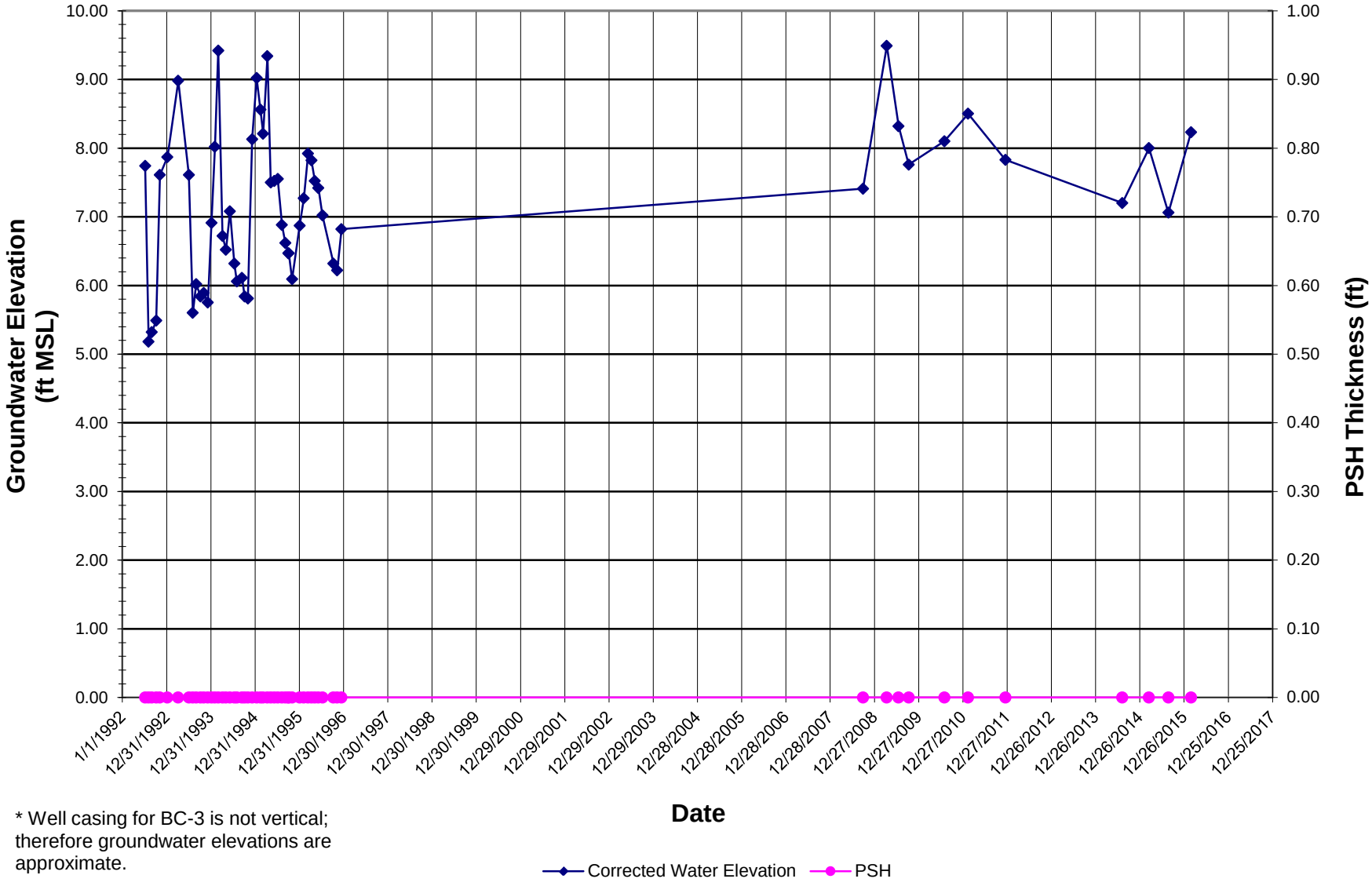

Product Thickness and Groundwater Elevation Versus Time
Well BC-1
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
12/29/2000
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
12/25/2017
Date
Corrected Water Elevation
PSH

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

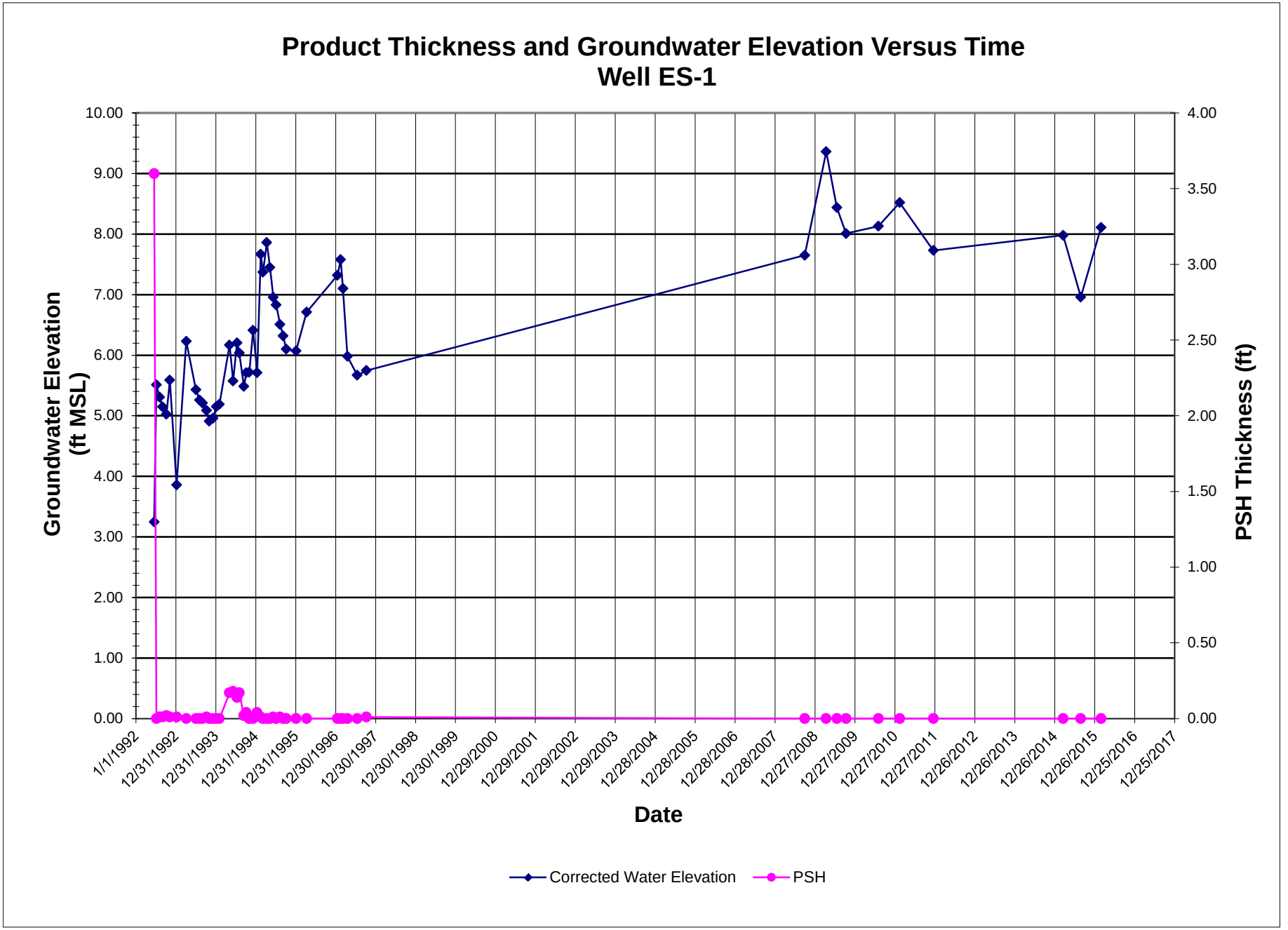


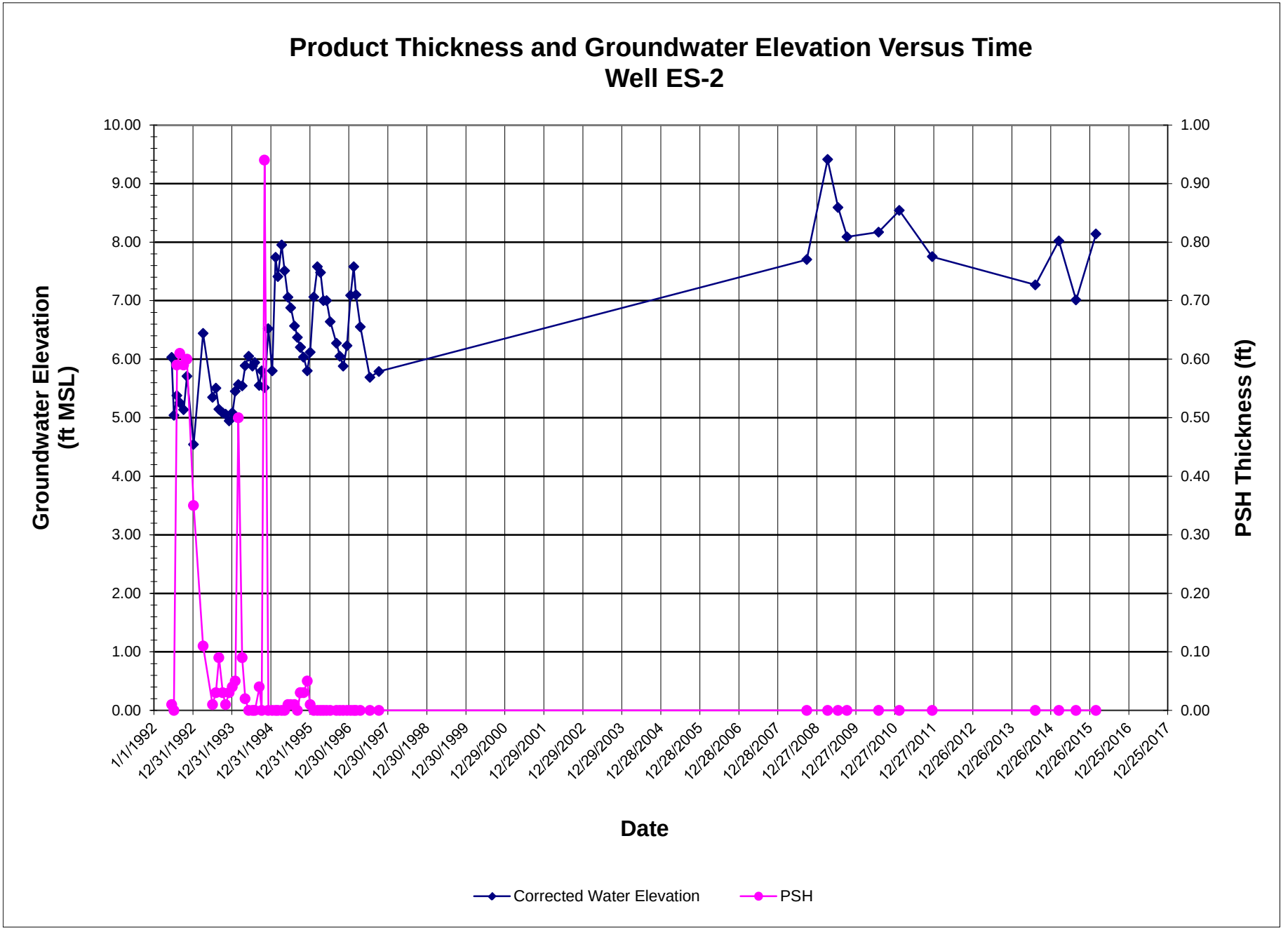
*Well casing for BC-2 is not vertical; therefore groundwater elevations are approximate.

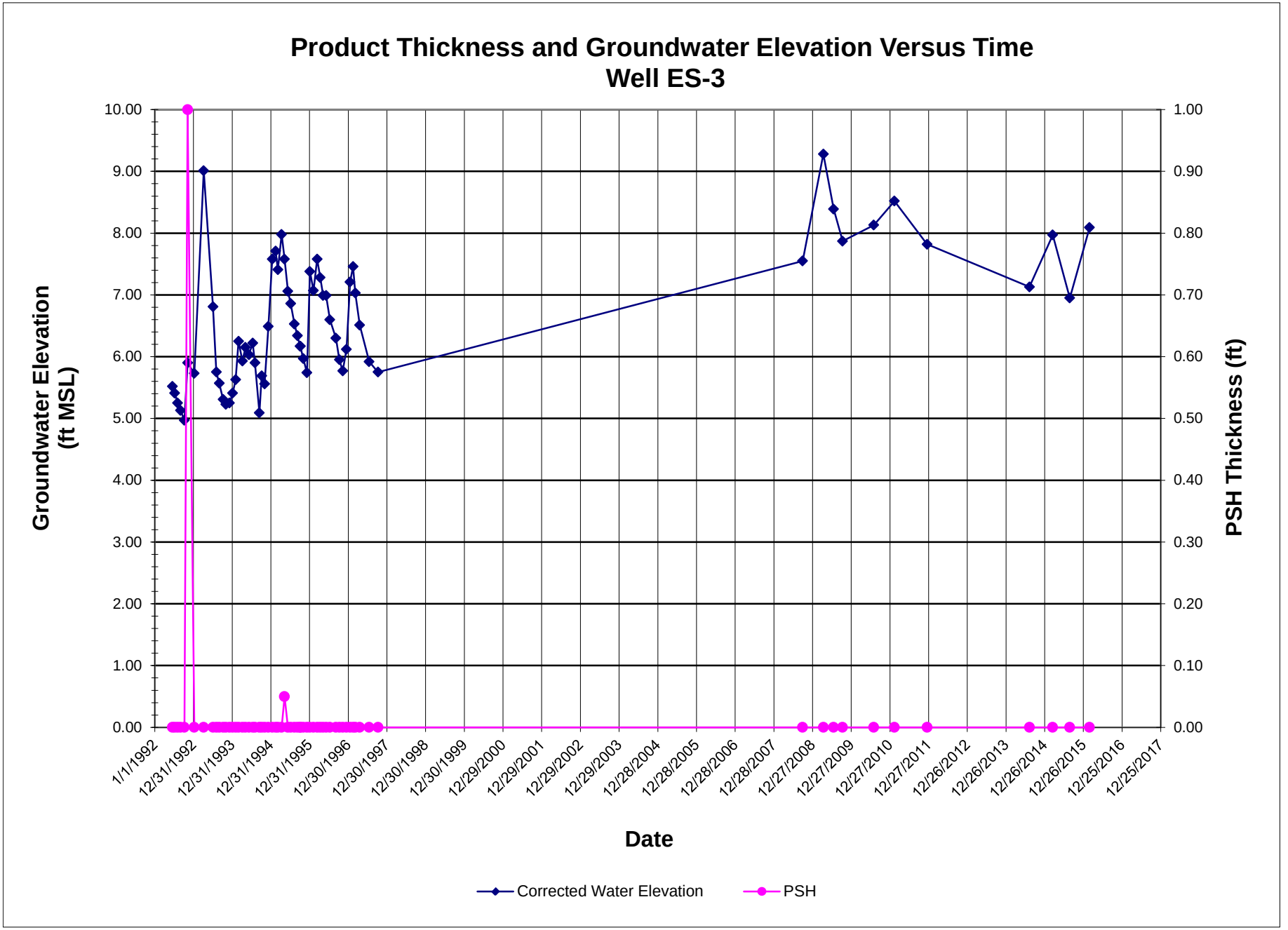
Product Thickness and Approximate* Groundwater Elevation Versus Time
Well BC-3

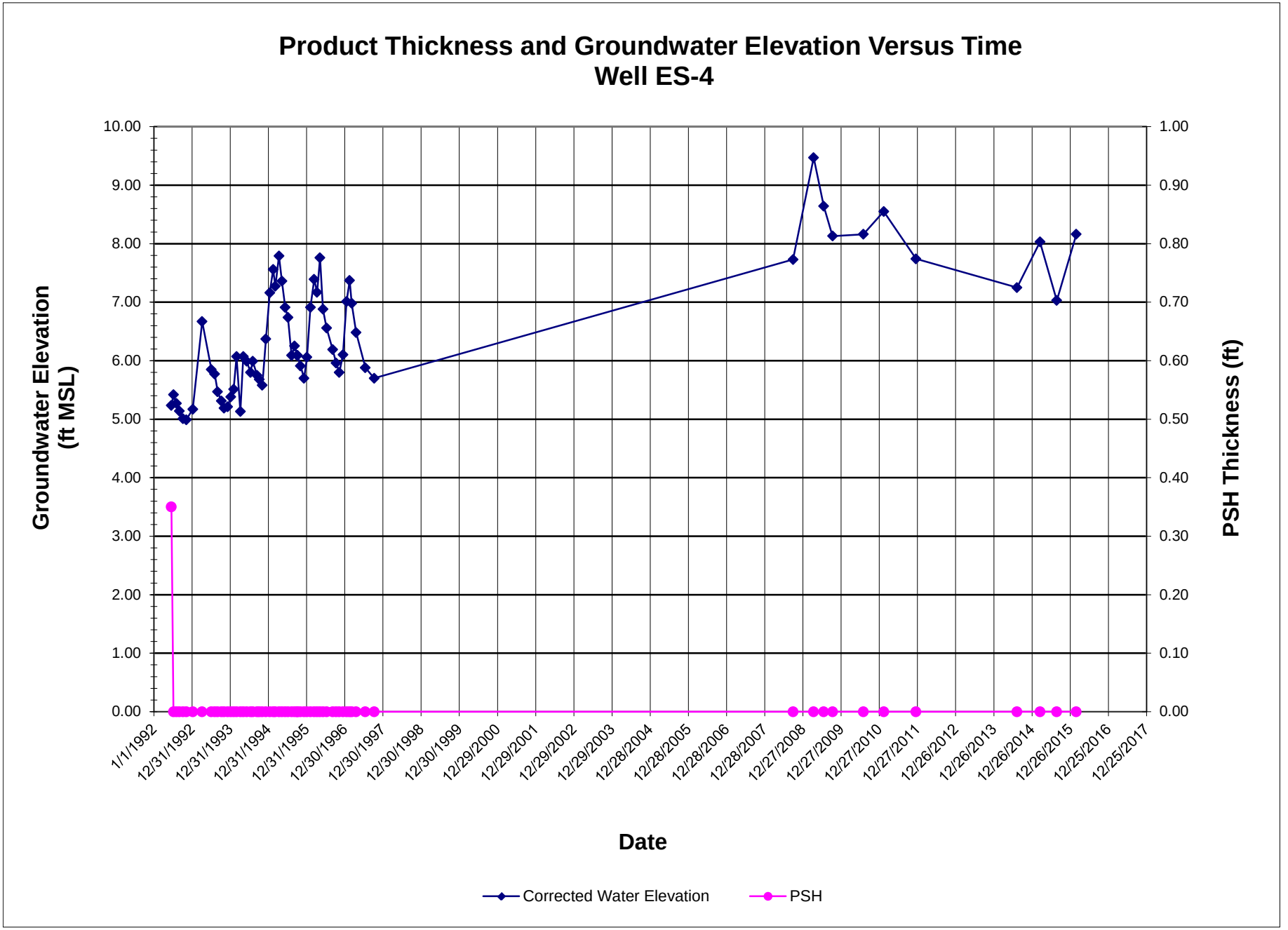


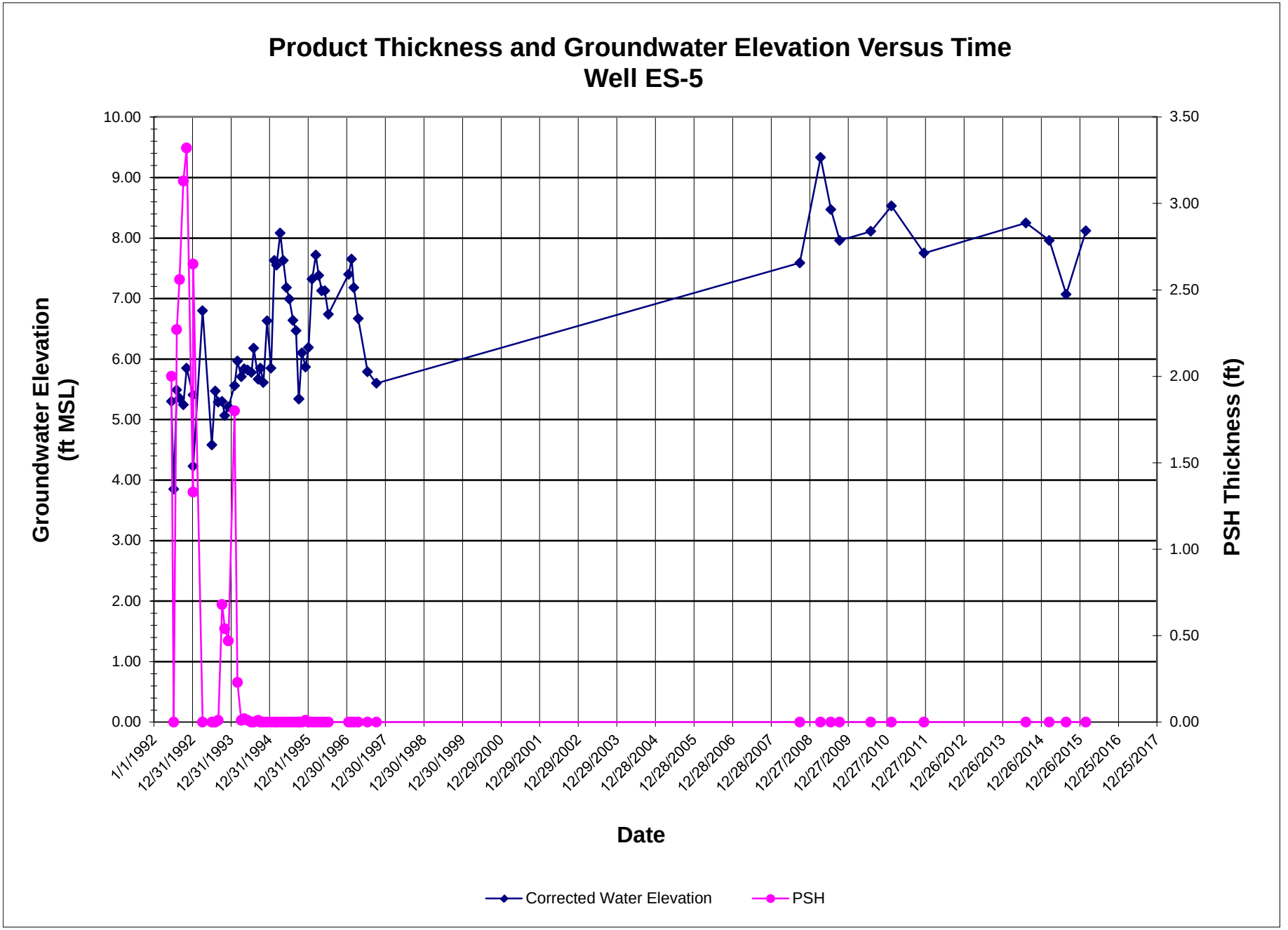
* Well casing for BC-3 is not vertical; therefore groundwater elevations are approximate.

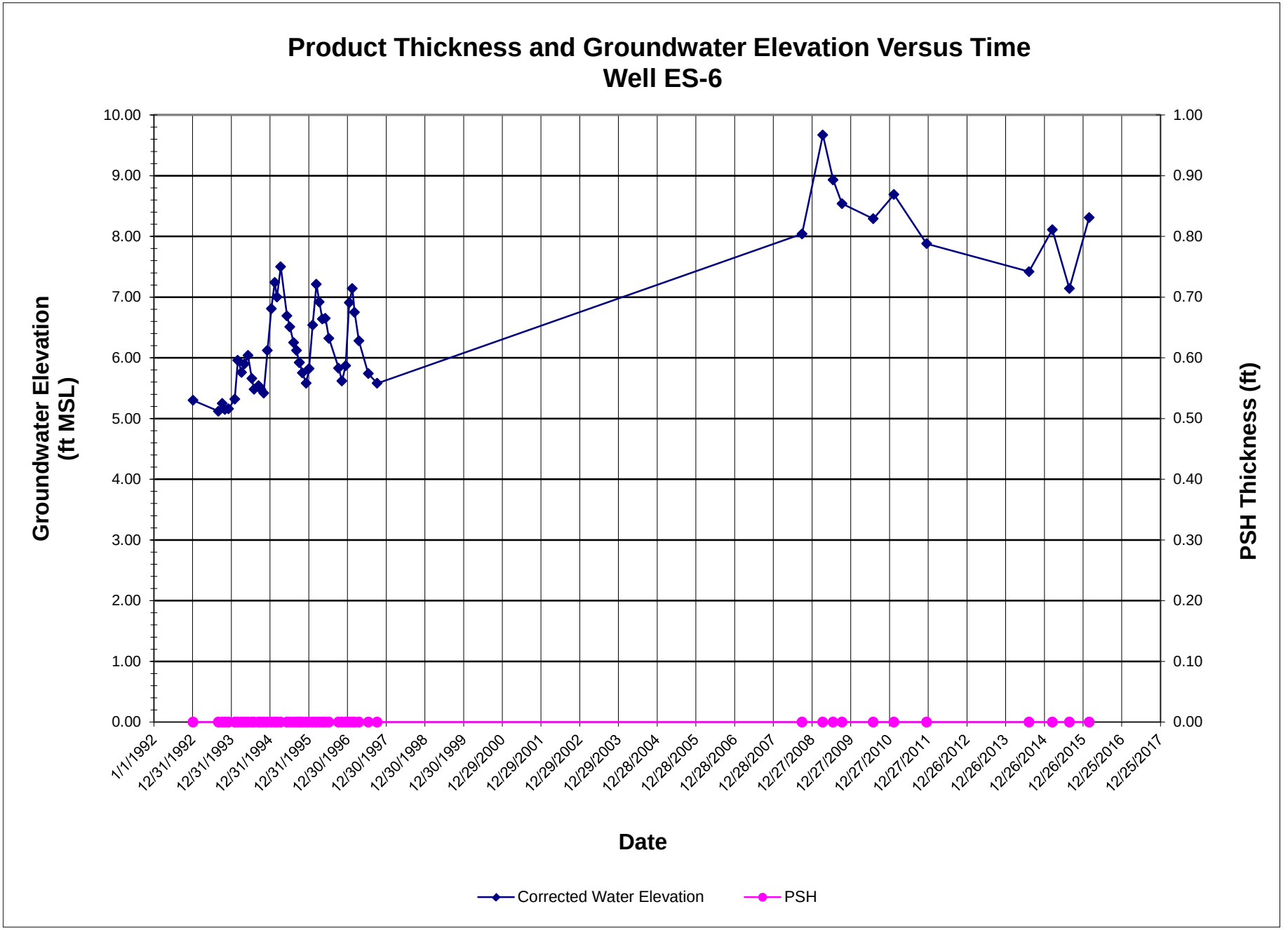

Product Thickness and Groundwater Elevation Versus Time
Well ES-1
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
Date
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
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
12/25/2017
Corrected Water Elevation
PSH

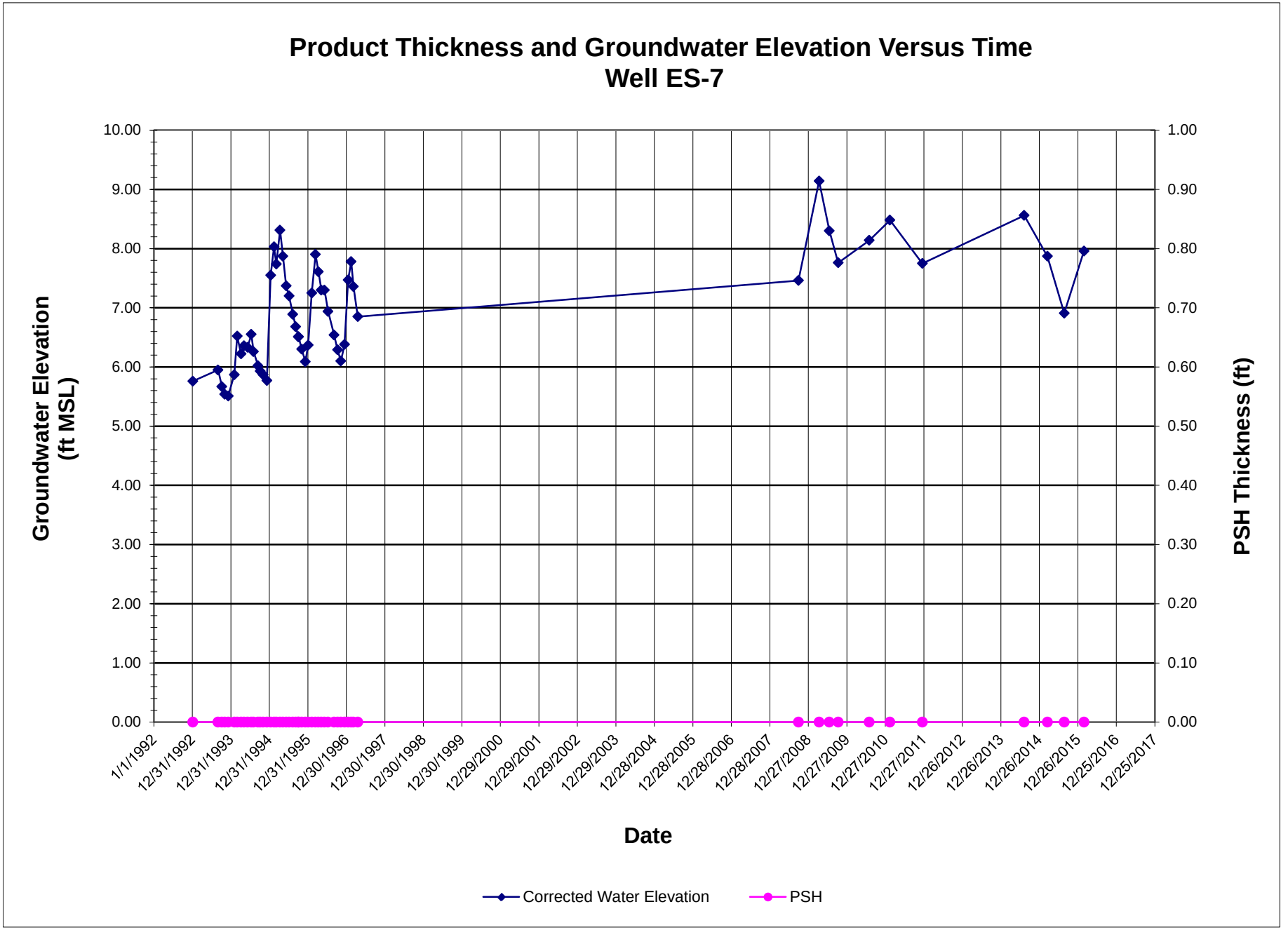

Product Thickness and Groundwater Elevation Versus Time
Well ES-2
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
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
12/25/2017
Date
Corrected Water Elevation
PSH

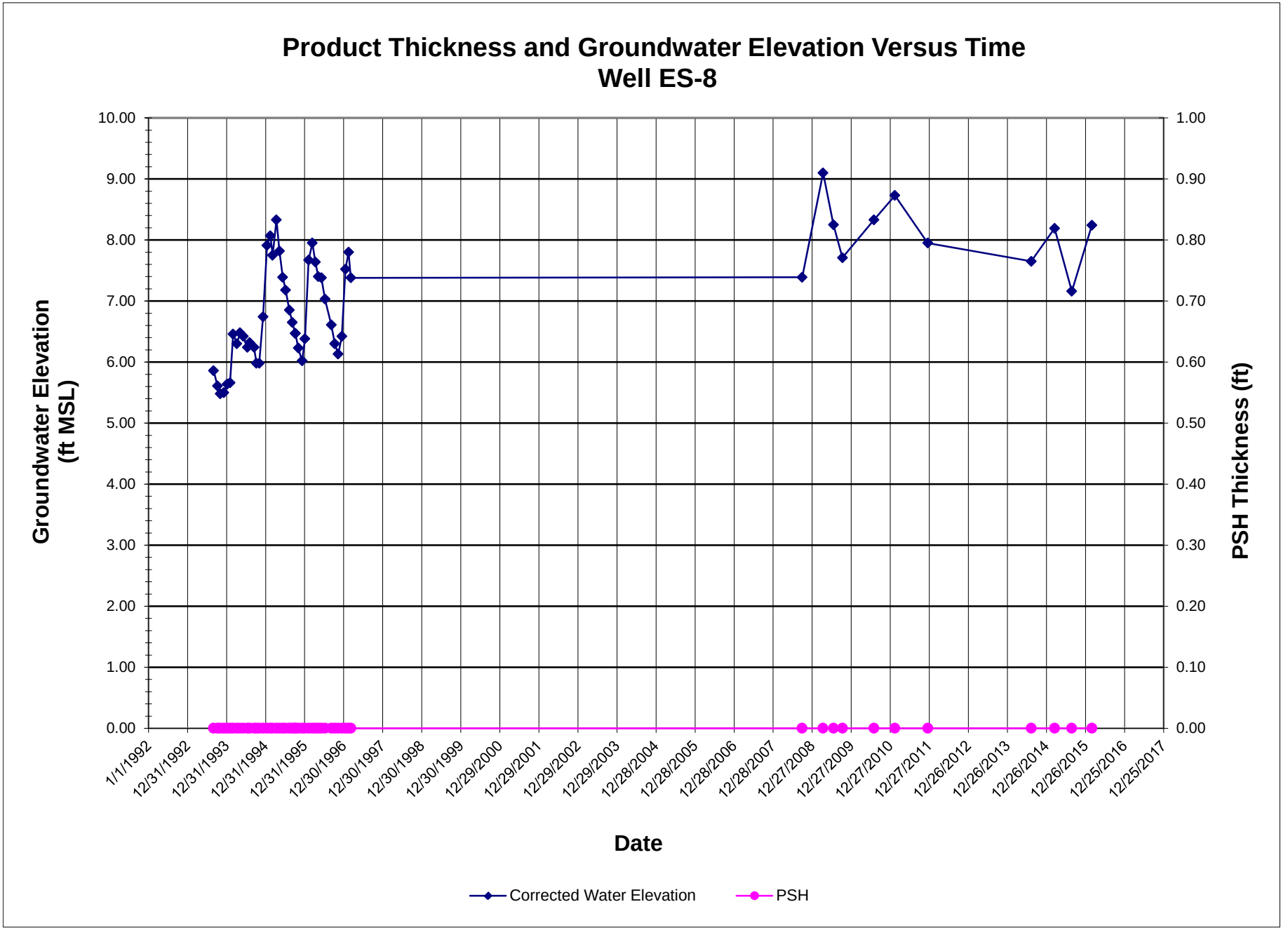

Product Thickness and Groundwater Elevation Versus Time
Well ES-3
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
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
12/25/2017
Date
Corrected Water Elevation
PSH

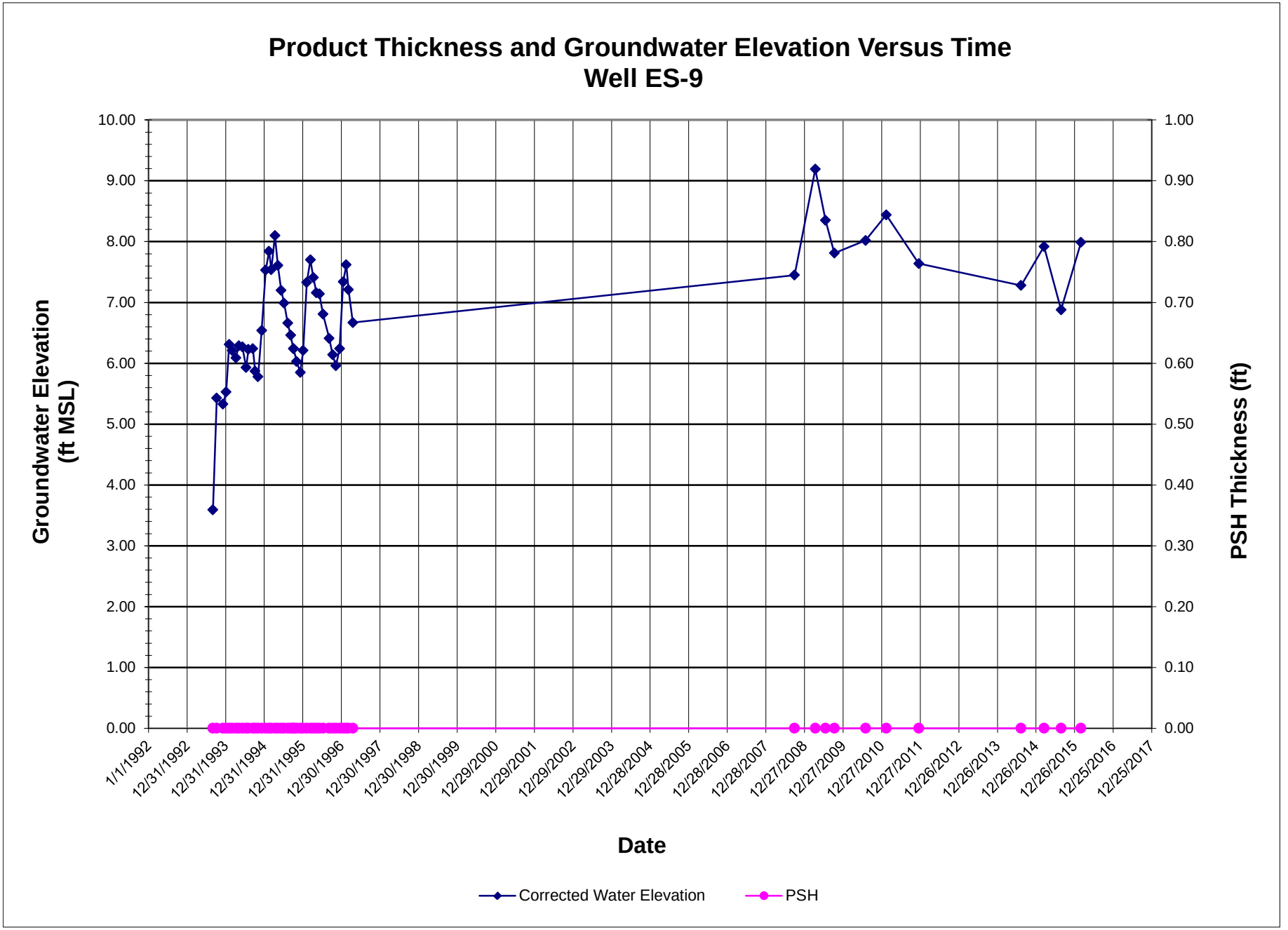

Product Thickness and Groundwater Elevation Versus Time
Well ES-4
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
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
12/25/2017
Date
Corrected Water Elevation
PSH

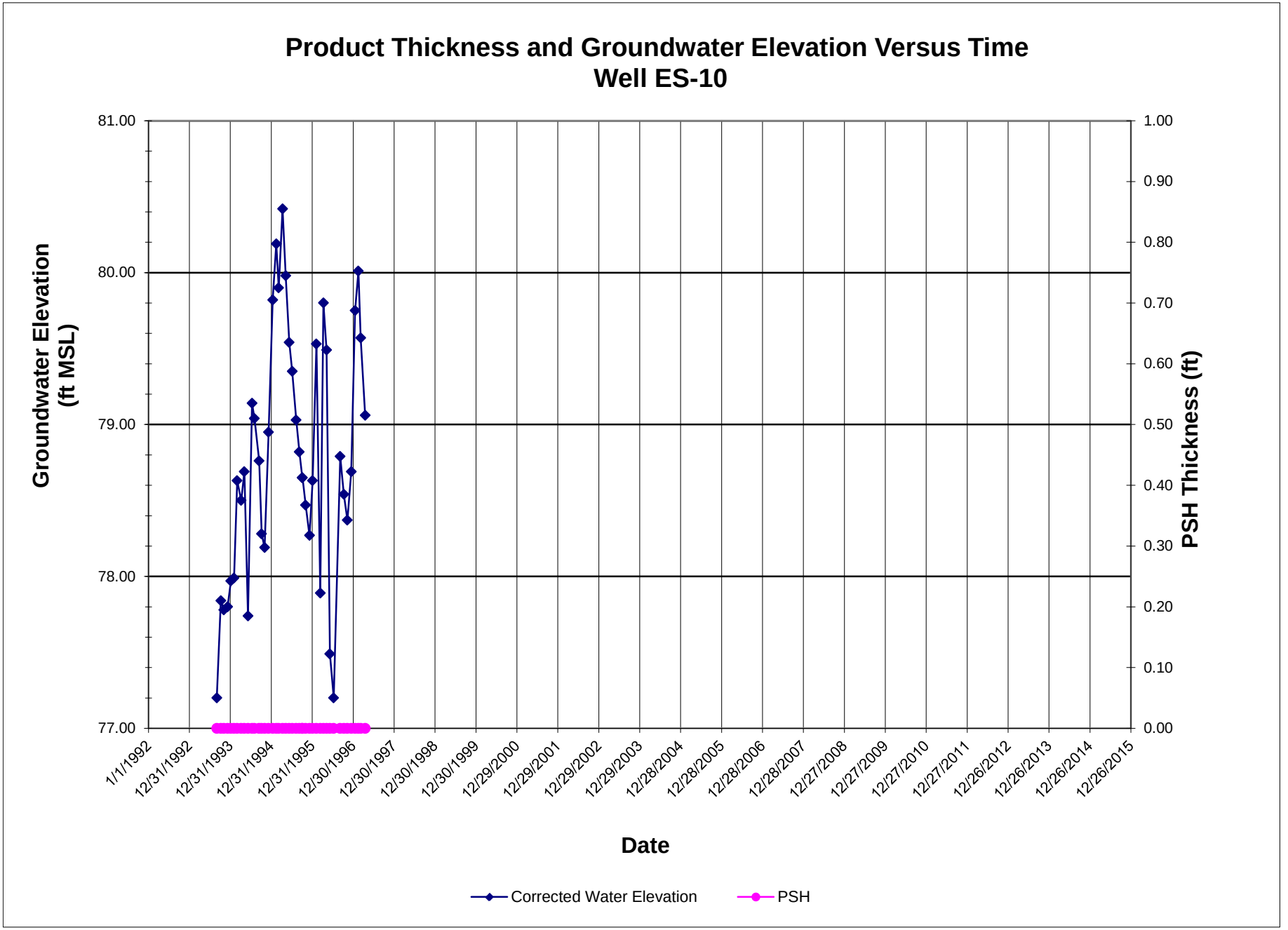

Product Thickness and Groundwater Elevation Versus Time
Well ES-5
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
12/30/1998
12/30/1999
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
12/25/2017
Date
Corrected Water Elevation
PSH

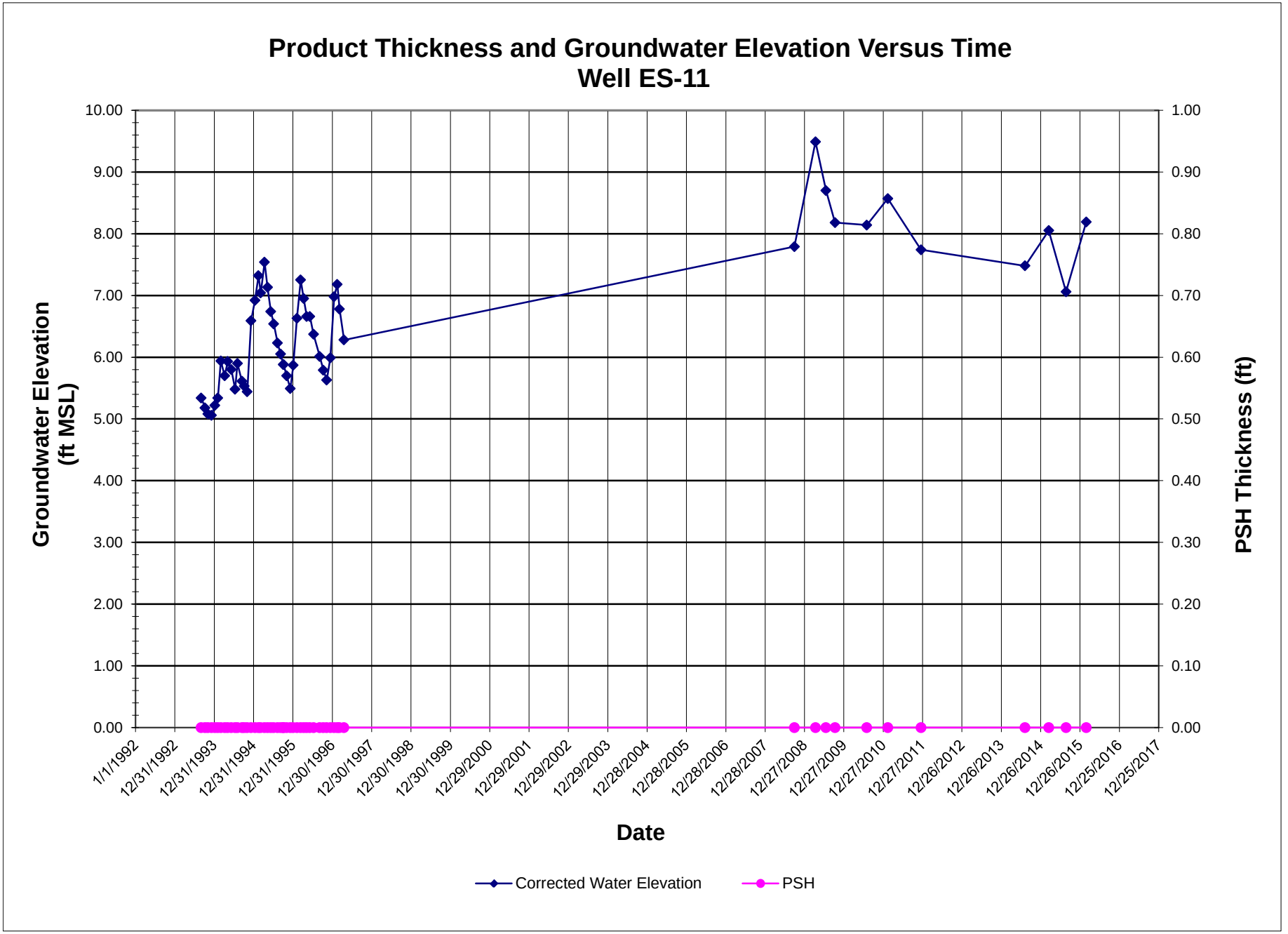

Product Thickness and Groundwater Elevation Versus Time
Well ES-6
Groundwater Elevation (ft MSL)
PSH Thickness (ft)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1/1/1992
12/31/1992
12/31/1993
12/31/1994
12/31/1995
12/30/1996
12/30/1997
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
12/25/2017
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
12/25/2017
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
12/25/2017
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
12/25/2017
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
12/25/2016
12/25/2017
Date
Corrected Water Elevation
PSH

APPENDIX C

Groundwater Sampling Records

GROUNDWATER SAMPLING RECORD

Project Number: 16-1379 | Project Name: GLI, Oakland | Date 02/24/16

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

Gauged by: JFA | Water Level (ft. BMP) (02/24/16): ~~16.29~~ 16.26

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 29.70

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: good

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: Solinst 122 | 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)
8:30						
~~8:22~~	40mL	Glass VOA	2	N	HCl, Ice	
~~8:22~~	40mL	Amber Glass VOA	2	N	Ice	

Date : Time	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (°F) C	pH ± 0.1	Conduct-ivity ± 3 %	ORP ± 10			
8:06	590	16.39	18.55	6.82	1088	64.3	clear	low	
8:09	350	16.35	18.57	6.87	1079	65.9	clear	low	
8:12	400	16.37	18.35°	6.89	1079	63.4	clear	low	
8:15	480	16.39	18.53°	6.92	1075	67.7	clear	low	
8:18	450	16.39	18.66°	6.94	1073	63.7	clear	low	sample
:									
:									
:									
:									
:									

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

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 16-1379 | Project Name: GLI, Oakland | Date 02/23/16

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

Gauged by: JFA | Water Level (ft. BMP) (02/ /16): ~~16.39~~ 16.19

Casing Diameter (In ID): 4" ID | Total Depth (ft. BMP): 20.25

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: no lock

Condition of Well: good, angled.

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: Solinst | 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

Time	Vol.	Composition (glass, plastic)	Quantity	Filtration (Y/N)	Preservation (type)	Remarks (quality control sample, other)
17:43	40mL	Glass VOA	2	N	HCl, Ice	
17:43	40mL	Amber Glass VOA	2	N	Ice	

Date : Time	Purge Characteristics: Per-cycle Vol. (mL)	Purge Characteristics: Groundwater Level (Feet BMP)	Water Quality Data: Field Chemistry Parameters: Temp (F/C)	pH ± 0.1	Conductivity ± 3 %	ORP ± 10	Appearance: Color	Appearance: Turbidity & Sediment	REMARKS
17:25	550	16.59	17.73	7.27	766	89.5	Clear	low	
17:28	470	16.70	17.72	7.23	761	99.1	clear	low	
17:31	250	16.72	17.73	7.21	755	113.9	clear	low	
17:34	250	16.74	17.69	7.22	757	120.3	clear	low	
17:37	450	16.85	17.50	7.18	761	123.8	clear	low	
17:40	450	16.95	17.48	7.15	763	126.1	clear	low	
:									
:									
:									
:									

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

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 16-1379 | Project Name: GLI, Oakland | Date 02/23/16

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

Gauged by: JFA | Water Level (ft. BMP) (02/23/16): 16.00

Casing Diameter (In ID): 4" ID | Total Depth (ft. BMP): 30.94

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: plastic wrap 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: Solinst. | 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)
16:08	40mL	Glass VOA	2	N	HCl, Ice	
16:08	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) C	pH ± 0.1	Conductivity ± 3 %	ORP ± 10			
15:48	590	16.10	21.08	6.62	1068	1.6	Clear	low	
15:51	560	16.10	21.17	6.80	1070	5.3	clear	low	
15:54	550	16.10	21.12	6.88	1072	4.4	Clear	low	
15:57	550	16.10	21.08°	6.73	1069	4.5	clear	low	
16:00	550	16.10	21.11°	6.72	1071	4.5	Clear	low	
16:03	550	16.10	21.23°	6.82	1071	1.4	clear	low	sample
:									
:									
:									
:									

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

Field Notes: Idling buses nearby.

GROUNDWATER SAMPLING RECORD

Project Number: 16-1379 | Project Name: GLI, Oakland | Date 02/24/16

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

Gauged by: JFA | Water Level (ft. BMP) (02/ /16): 16.52

Casing Diameter (In ID): 4" ID | Total Depth (ft. BMP): 30.22

Monitor Well Inspection:

Condition of Concrete Pad:

Condition of Lock, Well Cover and Cap:

Condition of 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: Solinst 122 | 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)
10:15	40mL	Glass VOA	2	N	HCl, Ice	
10:15	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) C	pH ± 0.1	Conductivity ± 3 %	ORP ± 10			
9:59	650	16.66	18.41	7.08	1384	-21.7	clear	low	
10:02	470	16.66	18.44	7.11	1390	-22.3	clear	low	
10:05	580	16.66	18.50	7.11	1391	-22.1	clear	low	
10:08	470	16.66	18.52	7.10	1394	-22.2	clear	low	
10:11	470	16.66	18.52	7.10	1396	-22.8	clear	low	
:									
:									
:									
:									
:									

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

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 16-1379 | Project Name: GLI, Oakland | Date 02/23/16

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

Gauged by: JFA | Water Level (ft. BMP) (02/ /16): 16.89

Casing Diameter (In ID): 4" ID | Total Depth (ft. BMP): 31.74

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: good

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: Solinst | 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

Time	Vol.	Composition (glass, plastic)	Quantity	Filtration (Y/N)	Preservation (type)	Remarks (quality control sample, other)
16:58	40mL	Glass VOA	2	N	HCl, Ice	
16:58	40mL	Amber Glass VOA	2	N	Ice	

Date: Time	Purge Characteristics: Per-cycle Vol. (mL)	Purge Characteristics: Groundwater Level (Feet BMP)	Water Quality Data: Field Chemistry Parameters: Temp (C)	pH ± 0.1	Conductivity ± 3 %	ORP ± 10	Appearance: Color	Appearance: Turbidity & Sediment	REMARKS
16:42	470	16.86	20.26	6.88	761	-5.6	clear	low	
16:45	470	16.86	20.26	6.78	761	-3.8	clear	low	
16:48	600	16.90	20.18	6.76	754	-2.5	clear	low	
16:51	400	16.90	20.19	6.81	753	-2.1	clear	low	
16:54	450	16.90	20.19	6.75	750	-0.7	clear	low	sample
:									
:									
:									
:									
:									

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

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 16-1379 | Project Name: GLI, Oakland | Date 02/23/16

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

Gauged by: JFA | Water Level (ft. BMP) (02/ /16): ~~30.06~~ ~~15.82~~ 15.77

Casing Diameter (In ID): 4" ID | Total Depth (ft. BMP): 30.06

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: good, one bolt

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: Solinst Interface 122 | 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 : 15	40mL	Glass VOA	2	N	HCl, Ice	
15 : 15	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) (C)	pH ± 0.1	Conductivity ± 3 %	ORP ± 10			
14 : 59	800 mL	15.82	20.43°	6.88	626	15.3	clear	low	
15 : 02	470	15.82	20.56°	6.86	624	22.6	clear	low	
15 : 05	550	15.82	20.83°	6.85	621	9.7	clear	low	
15 : 08	550	15.82	20.95°	6.84	617	6.7	clear	low	
15 : 11	550	15.82	20.81°	6.84	613	6.2	clear	low	sample
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Water level (ft. BMP) at End of Purge: _____

Field Notes: surrounded by 18 wheeler vehicles

GROUNDWATER SAMPLING RECORD

Project Number: 16-1379 | Project Name: GLI, Oakland | Date 02/24/16

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

Gauged by: JFA | Water Level (ft. BMP) (02/24/16): 15.96

Casing Diameter (In ID): 4" ID | Total Depth (ft. BMP): 30.15

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: good

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: Solinst 122 | 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)
9:24	40mL	Glass VOA	2	N	HCl, Ice	
9:24	40mL	Amber Glass VOA	2	N	Ice	

Date : Time	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (F) C	pH ± 0.1	Conduct-ivity ± 3 %	ORP ± 10			
9:08	590	16.14	19.07	6.96	851	-12.4	clear	low	
9:11	350	16.12	19.04	6.96	853	-15.3	clear	low	
9:14	350	16.12	19.04	6.95	853	-17.1	clear	low	
9:17	350	16.17	19.04	6.95	852	-18.4	clear	low	
9:20	350	16.12	19.01	6.93	852	-19.2	clear	low	
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Water level (ft. BMP) at End of Purge: _____

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 16-1379 | Project Name: GLI, Oakland | Date 02/23/16

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

Gauged by: JFA | Water Level (ft. BMP) (02/ /16): 18.85

Casing Diameter (In ID): 4" ID | Total Depth (ft. BMP): 35.11

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: missing lock. one bolt

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: Solinst | 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)
10:35	40mL	Glass VOA	2	N	HCl, Ice	
10:35	40mL	Amber Glass VOA	2	N	Ice	

Date : Time	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (°C)	pH ± 0.1	Conductivity ± 3 %	ORP ± 10			
10:19	800	18.86	22.03°	7.02	848	216.0	Clear	low	
10:22	850	18.86	22.02°	7.02	855	213.1	Clear	low	
10:25	350	18.82	22.01°	7.02	857	210.0	Clear	low	
10:28	400	18.82	22.00°	7.02	859	208.2	Clear	low	
10:31	450	18.82	22.04°	7.03	859	206.1	Clear	low	Sample
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Water level (ft. BMP) at End of Purge: _____

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 16-1379 | Project Name: GLI, Oakland | Date 02/23/16

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

Gauged by: JFA | Water Level (ft. BMP) (02/23/16): 17.70

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 33.96

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: no lock, bolt missing

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: Solinst | 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)
9:40	40mL	Glass VOA	2	N	HCl, Ice	
9:40	40mL	Amber Glass VOA	2	N	Ice	

Date : Time	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (F) C°	pH	Conductivity	ORP			
				± 0.1	± 3 %	± 10			
9:10	500	17.80	18.29°	6.32	579	212.6	clear	low	
9:13	375	17.81	18.47°	6.44	675	207.4	Clear	low	
9:16	400	17.82	18.58°	6.49	580	201.6	Clear	low	
9:19	450	17.82	18.64°	6.53	586	192.5	Clear	low	
9:22	460	17.82	18.76°	6.55	589	182.2	clear	low	
9:25	450	17.83	18.75°	6.57	597	175.4	clear	low	
9:28	450	17.83	18.89°	6.59	603	169.1	Clear	low	
9:31	450	17.83	18.91°	6.60	608	164.6	Clear	low	
9:34	450	17.83	18.96°	6.61	611	161.0	Clear	low	sample
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Water level (ft. BMP) at End of Purge: _____

Field Notes: Longer to stabilize than previous times.

GROUNDWATER SAMPLING RECORD

Project Number: 16-1379 | Project Name: GLI, Oakland | Date 02/24/16

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

Gauged by: JFA | Water Level (ft. BMP) (02/ /16): 6.50

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 29.26

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: good, no lock, no bolts

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: Solinst 122 | 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)
11:50	40mL	Glass VOA	2	N	HCl, Ice	
11:50	40mL	Amber Glass VOA	2	N	Ice	

Date : Time	Purge Characteristics		Water Quality Data				Appearance		REMARKS
	Per-cycle Vol. (mL)	Groundwater Level (Feet BMP)	Field Chemistry Parameters				Color	Turbidity & Sediment	
			Temp (F/C)	pH ± 0.1	Conductivity ± 3 %	ORP ± 10			
11:34	580	16.59	21.14	6.95	278	8.1	Clear	low	
11:37	350	16.59	21.12	6.90	264	11.9	clear	low	
11:40	470	16.61	21.14	6.86	259	15.5	clear	low	
11:43	480	16.61	21.27	6.86	254	17.5	clear	low	
11:46	480	16.61	21.23	6.85	255	17.8	clear	low	
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Water level (ft. BMP) at End of Purge: _____

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 16-1379 | Project Name: GLI, Oakland | Date 02/24/16

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

Gauged by: JFA | Water Level (ft. BMP) (02/ /16): 15.34

Casing Diameter (In ID): 4" ID | Total Depth (ft. BMP): 34.95

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: no lock, no bolts

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: Solinst | 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)
12:61	40mL	Glass VOA	2	N	HCl, Ice	
12:51	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 ± 0.1	Conductivity ± 3 %	ORP ± 10			
12:34	470	15.40	22.00	6.81	837	116.1	clear	low	
12:37	590	15.40	21.83	6.85	839	116.0	clear	low	
12:40	470	15.40	21.78	6.89	839	115.8	clear	low	
12:43	330	15.40	22.01	7.04	839	115.7	clear	low	
12:45	550	15.40	21.78	7.04	841	116.6	clear	low	
12:48	470	15.40	21.92	7.06	840	117.6	clear	low	
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Water level (ft. BMP) at End of Purge: _____

Field Notes:

GROUNDWATER SAMPLING RECORD

Project Number: 16-1379 | Project Name: GLI, Oakland | Date 02/23/16

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

Gauged by: JFA | Water Level (ft. BMP) (02/ /16): 15.89

Casing Diameter (In ID): 4 " ID | Total Depth (ft. BMP): 35.09

Monitor Well Inspection:

Condition of Concrete Pad: good

Condition of Lock, Well Cover and Cap: no lock, no bolts

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: Solinst | 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)
14:20	40mL	Glass VOA	2	N	HCl, Ice	
14:20	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) C	pH ± 0.1	Conduct-ivity ± 3 %	ORP ± 10			
14:01	600	15.99	19.22°	6.99	746	366.7	Clear	low	
14:04	500	15.99	19.11°	7.10	735	355.1	Clear	low	
14:07	500	15.99	19.08°	7.15	724	350.1	clear	low	
14:10	500	15.99	19.08°	7.19	715	345.9	clear	low	
14:13	500	15.99	19.06°	7.21	707	340.6	clear	low	
14:17	500	15.99	19.06°	7.23	699	336.4	Clear	low	sample
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Water level (ft. BMP) at End of Purge: _____

Field Notes: