UNIVERSITY OF CALIFORNIA, BERKELEY

BERKELEY • DAVIS • IRVINE • LOS ANGELES • MERCED • RIVERSIDE • SAN DIEGO • SAN FRANCISCO

SANTA BARBARA • SANTA CRUZ

OFFICE OF ENVIRONMENT, HEALTH AND SAFETY
UNIVERSITY HALL, 3rd FLOOR

BERKELEY, CALIFORNIA 94720-1150

November 24, 2014

Lynn Nakashima
Project Manager
Department of Toxic Substances Control
700 Heinz Avenue
Berkeley, CA 94710

Subject: **University of California, Richmond Field Station Site**
Final 2014 Groundwater Sampling Results Technical Memorandum
Site Investigation and Remediation Order I/SE-RAO 07/07-004

Dear Ms. Nakashima:

Please find enclosed the *Final 2014 Groundwater Sampling Results Technical Memorandum,* dated November 24, 2014. The final version replaces the draft report submitted on July 31, 2014 without substantive changes, based on the DTSC approval letter of the draft report dated November 18, 2014. The property nomenclature has been updated to reflect the facility as the Berkeley Global Campus at Richmond Bay.

This technical memorandum presents data collected during the water level sampling events in November 2013 and March 2014, and the groundwater sampling event conducted in April 2014.
This submittal includes two hard copies and two electronic copies on disc. A hard copy with disk has been delivered to the City of Richmond Public Library and the document is also available for public review at Building 478, Berkeley Global Campus at Richmond Bay.

If you have any questions or need further information regarding this submittal, please call me at (ghaet@berkeley.edu, 510-642-4848) or Karl Hans (khans@berkeley.edu, 510-643-9574).

Sincerely,

Greg Haet, P.E.
EH&S Associate Director
Environmental Protection

Enclosures

cc: Bill Marsh, Edgcomb Law Group

FINAL

2014 Groundwater Sampling Results Technical Memorandum

University of California, Berkeley
Richmond Field Station Site, Richmond, California

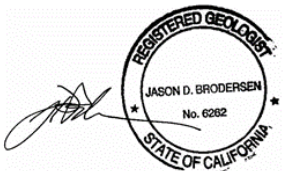
Prepared for

Office of Environment, Health and Safety
University of California, Berkeley
317 University Hall, No. 1150
Berkeley, California 94720

November 24, 2014

Prepared by

TETRA TECH, INC.
1999 Harrison Street, Suite 500
Oakland, California 94612



Jason Brodersen, P.G., No 6262

CONTENTS

CONTENTS (Continued)

Figures

Tables

Attachments

ACRONYMS AND ABBREVIATIONS

µg/L	Micrograms per liter
BGC	Berkeley Global Campus at Richmond Bay
bgs	Below ground surface
DQO	Data quality objective
DTSC	Department of Toxic Substances Control
FSW	Field Sampling Workplan
ft/ft	Feet per foot
IDW	Investigation-derived waste
J	Estimated value
LCS	Laboratory control sample
MCL	Maximum contaminant level
MDL	Method detection level
MS	Matrix spike
MSD	Matrix spike duplicate
ORP	Oxidation-reduction potential
PAH	Polycyclic aromatic hydrocarbons
PCE	Tetrachloroethylene
PVC	Polyvinyl chloride
QA	Quality assurance
QC	Quality control
QL	Quantitation limit
R	Rejected data
RFS	Richmond Field Station
SIM	Selective ion monitoring
SVOC	Semivolatile organic compound
TCE	Trichloroethylene
TDS	Total dissolved solids
U	Not detected
UJ	Not detected at an estimated value
VOC	Volatile organic compound

1.0 INTRODUCTION

On May 15, 2014, The Regents of the University of California approved the Berkeley Global Campus at Richmond Bay (BGC) as a new major research facility on properties it owns in Richmond, California. The BGC is composed of portions of the Former Richmond Field Station (RFS) and the Regatta Property located west of the Former RFS. UC Berkeley has been conducting investigation and cleanup actions at the Former RFS under oversight of the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), in compliance with the Site Investigation and Remediation Order, Docket No. IS/E-RAO 06/07-004 for the Richmond Field Station (RFS Order), dated September 15, 2006. The RFS Order provides for investigation and cleanup of 96 acres of upland and 13 acres of tidal marsh and transition habitat within the Former RFS Site.

This technical memorandum was prepared in accordance with the RFS Site Investigation and Remediation Order; it presents the results of annual groundwater monitoring conducted during the October 2013 – April 2014 time period as proposed in the Phase I November 2010 through April 2012 Groundwater Sampling Results Technical Memorandum, dated December 12, 2012 (Tetra Tech 2012). The field work consisted of dry and wet season water level measurements and wet season groundwater sampling. The sampling event was conducted in accordance with the Field Sampling Workplan (FSW) Phase I Groundwater Sampling Plan, dated June 2, 2010 (Tetra Tech 2010). The objective of the FSW was to address data gaps identified in the Current Conditions Report (Tetra Tech 2008) and to identify immediate or potential risks to public health and the environment. The objective of continued monitoring at the RFS is to monitor the water level and direction of groundwater flow bi-annually, and to continue to annually monitor concentrations of chemicals in groundwater at piezometers where sample results exceed one-half of screening criteria during any of the Phase I monitoring events.

This technical memorandum presents a summary of field activities, site hydrology, data quality assessment, and data evaluation associated with the October 2013 water level measurement and April 2014 groundwater sampling event. It also presents a general comparison of the April 2014 results to the previous five rounds of groundwater sampling. The report attachments provide field documentation forms as well as complete analytical results.

1.1 PHYSICAL SETTING

The Former RFS Site is located at 1301 South 46th Street, Richmond, California, along the southeastern shoreline of the City of Richmond on the San Francisco Bay and northwest of Point Isabel (see Figure 1). It consists of upland areas developed for academic teaching and research, an upland remnant coastal terrace prairie, a tidal salt marsh, and a transition zone between the upland areas and the marsh. Between the late 1800s and 1948, several companies, including the California Cap Company, manufactured explosives at the Former RFS Site. In 1950, the UC Regents purchased the property from the California Cap Company. UC Berkeley initially used the Site for research for the College of Engineering; later, it was also used by other campus departments.

Three habitat type areas have been identified at the Site: (1) the Upland Area, (2) the Transition Area, and (3) the Western Stege Marsh (see Figure 2). The Upland Area consists of 96 acres of land bounded by Meade Street to the north, South 46th Street to the east, the Transition Area to the south, and Meeker Slough and Regatta Boulevard to the west. The Transition Area occupies approximately 5.5 acres and is bounded to the north by the Upland Area at the location of a buried, former seawall that is believed to have been the edge of the historical mudflats, and to the south by Western Stege Marsh at the 5-foot elevation upper extent of the marsh (National Geodetic Vertical Datum 29). The Transition Area is believed to consist entirely of artificial fill placed on historical mudflats. Western Stege Marsh occupies approximately 7.5 acres and is bounded by the Transition Area to the north, the RFS connector trail to the East Bay Regional Park District Trail and Eastern Stege Marsh to the east, the Bay Trail to the south, and Meeker Slough and Marina Bay housing development to the west (see Figure 2).

1.2 INVESTIGATION PURPOSE

The Current Conditions Report (Tetra Tech 2008) for the Former RFS Site identified the possible presence of contaminants in groundwater as a data gap. Potential sources include contamination from off-site sources as well as previous site activities that may have leached contaminants from soil or underground utilities to groundwater. The Phase I FSW field effort addressed this data gap by installing 51 piezometers throughout the Site: 47 in the shallow groundwater zone and four in a deeper zone (see Figure 3). Data collected included groundwater samples, geology, and depth to water, which were used to develop a hydrogeologic conceptual model of the site and improve the understanding of overall site-wide groundwater quality.

The purpose of the continued monitoring is to evaluate seasonal groundwater elevations and fluctuations in chemical concentrations over time. As a follow-up to the first four bi-annual rounds of groundwater sampling completed between November 2010 and April 2012, and the fifth round conducted in 2013, the 2014 annual groundwater sampling consisted of the following activities:

- Collecting depth-to-water measurements at all 50 shallow zone piezometers and four deep piezometers both in October 2013 and in March 2014. These 50 piezometers include the 47 shallow piezometers installed by UC Berkeley during 2010 and three piezometers (PZ8, PZ9, and PZ11) previously installed by the owner of the adjacent Campus Bay property.
- Sampling 40 of the 50 shallow zone piezometers in April 2014 for chemical analysis, based on the results of past rounds of groundwater investigations.
- Manually removing roots from piezometers B175, B185, B197R, and CCCT because roots had grown within the piezometers.

2.0 FIELD ACTIVITIES

In October 2013, depth-to-water measurements were collected at all 50 shallow zone piezometers and four deep piezometers to calculate the potentiometric surface. The 2014 sampling strategy consisted of measuring depth to water on March 28, 2014 consistent with the October 2013 approach, as well as sampling groundwater at 40 completed piezometers in April 2014. Groundwater samples were analyzed for dissolved metals (field-filtered), semivolatile organic compounds (SVOC), polycyclic aromatic hydrocarbons (PAH), or volatile organic compounds (VOC), as indicated in Table 1. Monitoring consisted of chemical analysis at piezometers with previous sample results exceeding one-half of the lesser of the California or federal maximum contaminant levels (MCL) during any of the first four monitoring events (Tetra Tech 2012).

In addition, the following water quality parameters were measured at each of the 40 sampled locations during the April 2014 sampling event: pH, temperature, specific conductance, turbidity, dissolved oxygen, and oxidation-reduction potential (ORP). Groundwater sampling locations, depths, and the analytical suite are presented in Table 1.

2.1 WATER LEVEL MEASUREMENTS

A comprehensive set of depth to water measurements for all piezometers were recorded on October 7, 2013, and March 28, 2014, to coincide with similar field events occurring on the adjacent Campus Bay property. The depth to water in all 47 of the shallow and four of the deep Phase I piezometers was measured from the top of the polyvinyl chloride (PVC) casing to 0.01-foot accuracy using an electronic water level indicator; the data are presented in Table 2. Additionally, depth to water measurements were recorded in piezometers PZ8, PZ9, and PZ11, which were installed by consultants for the adjacent Campus Bay property on the Former RFS Site property.

The well caps were removed a minimum of 15 minutes before the depth to water measurement was collected to allow the water level to adjust to ambient conditions. These groundwater measurements were mapped to assess seasonal variation in groundwater elevations and contours. The measurements were recorded on groundwater water level logs and are reported in Figures 4 through 11.

2.2 PIEZOMETER MAINTENANCE

Four piezometers were observed to be blocked between 5 and 8 feet below ground surface (bgs) during water level measurements in October 2013 and March 2014. The BGC facilities staff used a snake device to remove roots from four blocked piezometers (B175, B185, B197R, and CCCT) on April 7, 2014. Root masses were removed from these piezometers, resulting in a clearance of the blockages. No inorganic debris was observed and there was no indication that the PVC piezometer casing was damaged. This strategy will continue to be implemented if roots continue to block access to groundwater within the piezometers.

2.3 GROUNDWATER SAMPLING

Groundwater samples were collected from April 1 through April 10, 2014. The groundwater from each piezometer sampled was collected through sterile Teflon and silicon tubing using a low-flow, peristaltic pump. The discharge from the pump ran through a flow cell that measured pH, temperature, specific conductance, turbidity, dissolved oxygen, and ORP. Groundwater samples were collected from each piezometer after the parameters stabilized to within the acceptable ranges, as shown on the groundwater sample collection sheets included in Attachment 1 and summarized in Table 3. The flow-through cell was disconnected from the sampling system prior to sample collection. Groundwater results are discussed in Section 6.0.

Ample sample volume was collected from the shallow piezometers to submit samples for laboratory analysis of VOCs, SVOCs, PAHs, or dissolved metals, as indicated in Table 1. Samples were immediately placed in coolers containing ice. At the end of each day, the samples were delivered to Curtis and Tompkins laboratory located in Berkeley, California, using chain-of-custody procedures.

2.4 WASTE CHARACTERIZATION AND DISPOSAL

All investigation-derived waste (IDW) created during the field effort was drummed, labeled, and moved to a fenced storage location west of Building 110. The IDW produced from this sampling investigation consisted of three drums containing water purged from piezometers during the sampling processes.

The decontamination water drums were characterized based on results from the April 2014 groundwater samples and determined to be nonhazardous. The drums were transported off-site on September 12, 2014 by Clean Harbors for disposal in Buttonwillow, California.

3.0 GEOLOGY

As presented in the Site Characterization Report (Tetra Tech 2013a) four major geologic units were defined for the Former RFS Site as follows:

- Artificial Fill
- Quaternary Alluvium
- Bay Sediments
- Yerba Buena Mud (Older Bay Mud)

The borings for the FSW investigation were drilled within the upper 40 feet bgs; therefore, only the artificial fill, alluvium, and, to a lesser extent, bay sediments were encountered during piezometer installation in 2010. During the installation, artificial fill was difficult to differentiate from the underlying alluvium because it was of a similar lithology and texture. The lithology of the fill and alluvium can be grouped into four basic soil types: silt/clay, clayey gravel, clayey/silty sand, and sand. In most cases, the gravels contained clay and sand and the clays layers were found to have an estimated 5 to 40 percent sand or gravel. The relationship between the lithologies of the alluvium is typical of a coastal alluvial plain: thin interbedded layers of clays, silts, sands, and gravels that are laterally discontinuous. The fine-grained sediments (clays and silts) may have been deposited as over-bank flood-plain deposits and the coarse grained sediments may be from former stream or river beds meandering across a flood plain. The meandering of former surface water channels likely causes the lateral variation in the lithologies observed in the borings.

Two geologic cross sections were developed to aid in the description of the site stratigraphy; the transects of the cross-sections are shown on Figure 3. The cross sections were developed for the technical memorandum presenting the October 2010 groundwater results (Tetra Tech 2011), and have been updated to include measured groundwater levels from all rounds of sampling. Cross section A-A' is along an east-west transect and is shown on Figure 12. Cross section B-B' is along a north-south transect and is shown on Figure 13. Generally, the horizontal extent of individual layers of clay, sand, and gravel is limited in the upper 20 feet bgs, as would be expected in a coastal alluvial depositional environment. Between 20 and 44 feet bgs, less variation in lateral extent was observed, although this could be an artificial result of fewer borings to define the deeper horizons.

4.0 HYDROGEOLOGY

The geologic materials at the Site include clays, silts, sands, and gravels. Generally, the coarser-grained materials are expected to transmit or yield more groundwater; however, most of the gravels and sands contained a silt/clay fraction that may inhibit groundwater flow or yield. A few exceptions were encountered where cleaner, well-graded and poorly graded sand lenses occurred. These sand lenses occurred only over short lateral distances in the upper 20 feet bgs. Based on the limited number of deeper borings, a more continuous thin layer of sand may be present between depths of 35 and 40 feet bgs.

In total, UC Berkeley installed 51 piezometers throughout the site as part of the FSW investigation during 2010; 47 shallow piezometers were installed with 10-foot screen intervals to a maximum total depth of 20 feet bgs, and four deep piezometers were installed with 10-foot screen intervals, with the exception of piezometer B480deep which has a 5-foot screen interval, to a maximum depth of 40 feet bgs. In addition, three piezometers (PZ8, PZ9, and PZ11) were previously installed by consultants for the adjacent Campus Bay property. Piezometers B197 and DH were abandoned due to root blockage and were replaced with B197R and DHR in 2013 (Tetra Tech 2013b).

Site-wide groundwater contours and flow directions were estimated using the Natural Neighbor interpolation function within the geographic information systems program based on water level measurements from the 50 shallow piezometers at the Site and available water level measurements from wells at the adjacent Campus Bay property; groundwater flow directions are inferred in areas where there are no piezometers or wells with available measurements. Figures 4 through 11 show the shallow groundwater elevations measured between November 2010 and April 2014 and the corresponding elevation contours for the shallow piezometers. The November 2010, October 2011, October 2012, and October 2013 groundwater elevations are likely representative of the dry season because no major rainfall had occurred in the 6 months prior to either event. The April 2011, 2012, 2013, and 2014 measurements were collected toward the end of the annual wet season; the 2014 wet season was drier than usual as Northern California experienced extreme drought conditions. Groundwater generally flows onto the site from the northeast and across the site to the southwest. Minor seasonal variation in groundwater flow direction and gradients were observed, as would be expected from wet to dry seasons. Groundwater elevations will continue to be measured semiannually to gather a comprehensive dataset and continued assessment of seasonal variation in groundwater flow.

The horizontal groundwater gradient or slope is estimated from the groundwater contours. Horizontal gradient is expressed as a ratio of change in vertical elevation by change in horizontal distance; a steep gradient is larger than a flat gradient. The horizontal groundwater gradient varies across the Site with representative slopes ranging from 0.004 feet per foot (ft/ft) to 0.01 ft/ft. Representative gradients calculated for the October 2012 through April 2014 events are shown in several locations on Figures 8 through 11.

Fall measurements are intended to represent the dry season; the October 2013 gradients are consistent with previous measurements conducted in the fall (November 2010, October 2011, and October 2012). Dry season groundwater contours are shown on Figures 4, 6, 8, and 10. Spring measurements are intended to represent the wet season. While there are some

differences between northern and southern gradients measured in March 2014 compared with previous events (April 2011, April 2012, and April 2013), generally the gradients are consistent. Wet season contours are shown on Figures 5, 7, 9, and 11. Comparing the dry and wet seasons, the dry season gradients tend to be shallower in the central and southern portions of the site and slightly steeper in the northeast portion of the site.

The variation in gradients within the Site and seasonally is likely influenced by changes in seasonal and local areas of recharge caused by varying surface cover and features and the variation in hydraulic conductivity of the soil. For example, extremely low hydraulic conductivity in clays result in slower response to increases in groundwater recharge than sands which have higher conductivity. While the Site is underlain predominantly by clayey soil with low conductivity, there are localized areas with higher silt and sand content throughout.

A localized variation in the groundwater gradient is consistently identified near location B150, where the groundwater elevations are higher than in nearby piezometers, as manifested by the concentric groundwater contours around location B150 shown on Figures 4 through 11. Continued elevated measurements in the area suggest there may be ongoing artificial sources of water from nearby irrigation, landscape maintenance, or other leaky pipes contributing to higher water levels in the area. A decrease in the mounding has been observed since the initial groundwater elevation measurements; however, as of March 2014, this groundwater variation is still present.

Vertical groundwater gradients were also estimated from the water level measurements at the shallow/deep well pairs. The following table shows the vertical gradients estimated from the water level measurements collected between November 2010 and March 2014.

Vertical Groundwater Gradients (ft/ft)								
Well Pair	**2010 Dry Season**	**2011 Wet Season**	**2011 Dry Season**	**2012 Wet Season**	**2012 Dry Season**	**2013 Wet Season**	**2013 Dry Season**	**2014 Wet Season**
B480/ B480deep	0.25 Up	0.13 Up	0.23 Up	0.19 Up	0.22 Up	0.19 Up	0.22 Up	0.20 Up
B128/ B128deep	0.03 Dn	0.05 Up	0.02 Dn	0.09 Dn	0.01 Up	0.08 Up	0.082 Up	0.01 Up
B38/ B38deep	0.02 Up	0.04 Dn	0.02 Up	0.06 Dn	0.02 Up	0.00 None	0.01 Up	0.00 None
CTP/ CTPdeep	0.04 Dn	0.07 Dn	0.01 Dn	0.01 Up	0.01 Up	0.01 Up	0.08 Up	0.01 Up

Notes:

Dn Downward gradient
Up Upward gradient

Temporal changes in the vertical gradients are likely the result of seasonal variations in surface water infiltration and recharge. Spatial variation in the vertical gradients is likely due to the spatial variability in the aquifer properties from more permeable sands to less permeable clays.

5.0 DATA QUALITY ASSESSMENT

5.1 DATA QUALITY OBJECTIVES

Data quality objectives (DQO) were developed during the FSW planning process to help ensure data appropriate to support defensible decisions is collected. The DQOs stated the need for additional groundwater data collection at the Former RFS Site to develop a hydrogeologic model of the site and to improve overall understanding of groundwater quality. This objective was achieved through the strategic placement of the 51 groundwater monitoring piezometers that spanned the Site from fenceline to fenceline and also targeted specific locations defined as data gaps in the Current Conditions Report (Tetra Tech 2008).

The data collected during the first five rounds of groundwater sampling were adequate to create hydraulic gradient maps to gain a better understanding of the general hydrology at the Site. Additionally, the chemical data collected have improved site knowledge relative to previously identified data gaps and has provided data for previously uncharacterized areas.

All locations were sampled in April 2014 according to the methods described in the sampling plan and quality assurance project plan in the FSW (Tetra Tech 2010). The analytical data achieved appropriate method detection levels (MDL) to be compared with relevant state and federal groundwater criteria and are presented in Section 6.0, along with a general comparison to the previous five rounds of data in Section 7.0.

5.2 LABORATORY DATA REVIEW

Assignment of data qualification flags for analytical data from Curtis and Tompkins conformed to U.S. Environmental Protection Agency Contract Laboratory Program National Functional Guidelines for Organic Data Review (EPA 2008) and Inorganic Data Review (EPA 2010). Data review specifications require that various data qualifiers be assigned when a deficiency is detected or when a result is less than its detection limit. If no qualifier is assigned to a result that has been reviewed, the data user is assured that no technical deficiencies were identified during validation. The qualification flags used are defined as follows:

- U – Indicates that the chemical was not detected at the numerical detection limit (sample-specific detection limit) noted. Non-detected results from the laboratory are reported in this manner.
- UJ – Indicates that the chemical was not detected; however, the detection limit (sample-specific detection limit) is considered estimated based on problems encountered during laboratory analysis. The associated numerical detection limit is regarded as inaccurate or imprecise. This qualifier is also added to a positive result (reported by the laboratory) if the detected concentration is determined to be attributable to contamination introduced during field sampling or laboratory analysis.

- J – Indicates that the chemical was detected; however, the associated numerical result is not a precise representation of the concentration that is actually present in the sample. The laboratory-reported concentration is considered an estimate of the true concentration.

- R – Indicates that the chemical may or may not be present, and that the data was rejected. The non-detected analytical result reported by the laboratory is considered unreliable and unusable. This qualifier is applied in cases of gross technical deficiencies (for example, a holding time missed by a factor of two times the specified time limit, severe calibration non-compliance, or extremely low analyte recovery in quality control [QC] spike samples).

The preceding data qualifiers may be categorized as indicating major or minor problems. Major problems are defined as issues that result in the rejection of data and qualification with R. These data are considered invalid and are not used for decision-making unless they are used in a qualitative way and the use is justified and documented. Minor problems are defined as issues resulting in the estimation of data and qualification with U, J, and UJ qualifiers. Estimated analytical results are considered suitable for decision-making unless the data use requirements are stringent and the qualifier indicates a deficiency that is incompatible with the intended data use. A U qualifier does not indicate that a data deficiency exists because all non-detect values are flagged with the U qualifier regardless of whether a quality deficiency has been detected.

5.3 DATA QUALITY REVIEW FINDINGS

The following section addresses quality review findings for the inorganic and organic data collected in April 2014.

A review of the inorganic data quality determined that quality assurance (QA)/QC objectives for bias and precision were met for the analytical results, with the following exceptions:

- As a result of high response in the continuing calibration verification in the dissolved metal analysis, aluminum results in three samples (RFSGWB19506, RFSGWB19506D, RFSGWB15806), iron results in eleven samples (RFSGWB19506, RFSGWB19506D, RFSGWCCC306, RFSGWFG06, RFSGWNRLF06, RFSGWB15806, RFSGWB17806, RFSGWB197R06, RFSGWPZ806, RFSGWETA06, and RFSGWMFA06), and selenium results in two samples (RFSGWBULB206 and RFSGWDHR06) were “J” qualified as estimated based on calibration QC violations. Approximately 3 percent of all the inorganic groundwater data were qualified as a result of these criteria violations.

- As a result of laboratory blank contamination, dissolved iron results in two samples (RFSGWFG06 and RFSGWNRLF06), dissolved molybdenum results in two samples (RFSGWFG06 and RFSGWNRLF06), and dissolved zinc result in one sample (RFSGWNRLF06), are considered nondetect and “UJ” qualified. Less than 1 percent of the inorganic groundwater data were qualified based on laboratory blank contamination problems, and no inorganic groundwater data were qualified based on field blank contamination.

- Several inorganic sample results were "J" qualified as estimated because they were reported at concentrations between the MDL and the laboratory quantitation limit (QL). The analytical instrument can make reliable qualitative identification of analyte concentrations above the MDL but below the QL; however, detected results below the QL are considered quantitatively uncertain. Approximately 19 percent of the inorganic groundwater data was affected; however, these results are considered usable as qualified.

A review of the organic data quality determined that QA/QC objectives for bias and precision were met for analytical results, with the following exceptions:

- As a result of high response in the continuing calibration verification in the VOC analysis, acetone result in one sample (RFSGWTB402), carbon disulfide in one sample (RFSGWB17806), and tert butyl alcohol results in seven samples (RFSGWB19506, RFSGWB19506D, RFSGWCCC206, RFSGWCCC306, RFSGWB27706, RFSGWTP106, and RFSGWTP206) were "J" qualified as estimated based on calibration QC violations. Less than 1 percent of all the organic groundwater data were qualified as a result of these criteria violations.

- Matrix spike/matrix spike duplicate (MS/MSD) and laboratory control sample (LCS) spike recoveries resulted in qualification of results as estimated ("J") for PAH anthracene in one sample (RFSGWMFA06), as well as VOC acetone in twelve sample results (RFSGWB19506, RFSGWB19506D, RFSGWCCC206, RFSGWCCC306, RFSGWB27706, RFSGWTP106, RFSGWTP206, RFSGWTB401, RFSGWB16306, RFSGWB12006, RFSGWB175W06, and RFSGWB175S06). Less than 1 percent of all the organic groundwater data were qualified as a result of these criteria violations.

- High relative percent difference between the LCS and LCS duplicate resulted in qualification of one sample result (RFSGWMFA06) as estimated "J" for anthracene and pyrene.

- As a result of laboratory blank contamination, the bis(2-ethylhexyl)phthalate result in one sample (RFSGWB18006) and acetone results in six samples (RFSGWB48006, RFSGWB47306D, RFSGWEERC06, RFSGWCTP06D, RFSGWB27806, and RFSGWTB409) are considered nondetect and "UJ" qualified. In addition, as a result of trip blank contamination, acetone results in three samples (RFSGWB18506, RFSGWB17806, and RFSGWGEO06) are considered nondetect and "UJ" qualified. Less than 0.2 percent of the organic groundwater data were qualified as a result of laboratory and field blank contamination problems.

- The results for several organic compounds in a few samples were estimated because they were reported at a concentration between the MDL and the QL. The analytical instrument can make reliable qualitative identification of analyte concentrations above the MDL but below the QL; however, detected results below the QL are considered quantitatively uncertain. Less than 1.5 percent of the organic groundwater data was affected.

Although some qualifiers were added to the data, a final review of the dataset compared with EPA data quality parameters indicate that the data are of high overall quality. The data meet all the requirements of the precision, accuracy, representativeness, completeness, and comparability described in EPA guidance for quality assurance project plans (EPA 2002) and the Quality Assurance Project Plan (Tetra Tech 2010), and are usable for meeting the project DQOs and future risk assessments. The overall assessment of the sampling program, QA/QC data, and data review indicates the data from this investigation are of acceptable precision, accuracy, representativeness, completeness, and comparability.

5.4 DEVIATIONS

One deviation from the sampling plan proposed in the Phase I November 2010 through April 2012 Groundwater Sampling Results Technical Memorandum (Tetra Tech 2012) was identified during the April 2014 sampling event. Total dissolved solids (TDS) was not measured during April 2014 because it was not included as an analyte on the water quality meter used to record water quality parameters during groundwater sampling. This deviation does not represent a significant data gap and does not impact the data quality or data evaluation presented in this report.

6.0 APRIL 2014 DATA EVALUATION

This section provides an overview of the compounds detected during the groundwater sampling conducted between April 1 and April 10, 2014. State and federal water quality criteria consistent with those used for the groundwater data evaluation at the adjacent Campus Bay site, as presented in Table 5, were identified to help evaluate the groundwater data. The comparisons are intended solely to provide a baseline comparison and are not intended to represent remedial or cleanup criteria or triggers for further sampling. Tables 6 through 9 provide summaries of the detected data. Complete analytical results are included in Attachment 2.

6.1 VOLATILE ORGANIC COMPOUNDS

Groundwater samples from 31 piezometers were submitted for analysis of VOCs by EPA Method 8260 (Table 1); three duplicate samples were also collected. While VOCs were detected at all 31 sampling locations, only 13 of the 71 target analytes analyzed by this method were detected. These results are presented in Table 7. Similar to the groundwater results from 2013, of the VOCs detected, seven compounds — 1,2-dichloroethane, carbon tetrachloride, cis-1,2-dicloroethene, tetrachloroethylene (PCE), trans-1,2-dichloroethene, trichloroethylene (TCE), and vinyl chloride — exceeded an MCL; results for these compounds are discussed below.

1,2-Dichloroethane. 1,2-Dichloroethane was detected at eight of the 31 sampling locations with concentrations ranging from 0.2 to 8 micrograms per liter (µg/L); results from three locations (B120, B185, and B195) were equal to or exceeded the California MCL of 0.5 µg/L, and one location, B163, exceeded the federal MCL of 5 µg/L, at a concentration of 8 µg/L.

Carbon Tetrachloride. Carbon tetrachloride was detected at four locations: B185, B280A, CTP, and GEO. Concentrations ranged from 0.5 to 15 µg/L; all detections exceeded the California MCL of 0.5 µg/L and carbon tetrachloride was detected at concentrations of 14 and 15 µg/L at location CTP (original and duplicate), which exceed the federal MCL of 5 µg/L. Carbon tetrachloride concentrations reported between 2010 and 2014 are presented in Figure 14.

Cis-1,2-Dichloroethene. Cis-1,2-dichloroethene was detected at 16 of the 31 sampling locations with concentrations ranging from 0.2 to 410 µg/L; one location, PZ11, exceeded the California MCL of 6 µg/L and the federal MCL of 70 µg/L at a concentration of 410 µg/L.

Tetrachloroethylene. PCE was detected at 21 locations with concentrations ranging from 0.1 µg/L to 9.3 µg/L. PCE was detected at concentrations of 9.3 µg/L at B163 which exceeded the California and federal MCLs of 5 µg/L.

Trans-1,2-Dichloroethene. Trans-1,2-dichloroethene was detected at eight locations, with concentrations ranging from 0.1 to 61 µg/L; one location, PZ11, exceeded the California MCL of 10 µg/L at a concentration of 61 µg/L.

Trichloroethylene. TCE was detected at 25 of the 31 locations, 16 of which exceeded the California and federal MCLs of 5 µg/L. Reported concentrations exceeding the MCLs ranged from 0.1 J µg/L to 160 µg/L. The concentrations of TCE that exceeded the MCLs were

predominantly found along the eastern RFS property boundary. TCE concentrations reported between 2010 and 2014 are presented in Figure 15.

Vinyl Chloride. Vinyl chloride was detected at three locations with concentrations ranging from 0.1 to 5.8 µg/L; vinyl chloride was detected at concentrations of 1 and 5.8 µg/L, which exceeds the California MCL of 0.5 µg/L at two locations, B163 and PZ11.

6.2 SEMIVOLATILE ORGANIC COMPOUNDS AND POLYCYCLIC AROMATIC HYDROCARBONS

Groundwater samples from 10 piezometers were submitted for analysis of SVOCs by EPA Method 8270, and PAHs by EPA Method 8270-SIM (selective ion monitoring) to obtain a lower QL and MDL (Table 1); one duplicate sample was also collected. SVOCs were detected infrequently across the Site; only one of the 71 target analytes analyzed by this method was detected, 1,4-dioxane. The concentrations ranged from 0.2 to 1.8 µg/L at four locations; there is no MCL for 1,4-dioxane. The results for 1,4-dioxane are presented in Table 8.

6.3 METALS

Groundwater samples from 25 piezometers were submitted for analysis of dissolved metals by EPA Methods 6010B, 6020A, and 7470A (Table 1); two duplicate samples were also collected. All samples were field filtered. Metals were detected in all samples submitted for analysis, with the exception of beryllium which was not detected. A summary of all detected metals is presented in Table 9. Of the metals detected, five metals — arsenic, cadmium, mercury, nickel, and selenium — exceeded an MCL; results for metals are discussed below. Essential nutrients (calcium, iron, magnesium, potassium, and sodium) are not discussed.

Aluminum. Aluminum was detected at 5 of the 25 sampling locations, ranging in concentration from 15 to 79 µg/L. There is no MCL for aluminum.

Antimony. Antimony was detected at 19 of the 25 sampling locations, ranging in concentration from 0.12 to 3.3 µg/L. None of the results exceeded the California and federal MCL of 6 µg/L.

Arsenic. Arsenic was detected in all 25 sampling locations, with concentrations ranging from 0.52 to 11 µg/L. Two detections of arsenic exceeded the California and federal MCL of 10 µg/L at location B197R and TP1 (11 µg/L).

Barium. Barium was detected in all samples with concentrations ranging from 8.9 to 130 µg/L. No detections exceeded the California and federal MCL of 2,000 µg/L.

Cadmium. Cadmium was detected in three sampling locations at concentrations ranging from 0.28 to 5.4 µg/L, with the sample at location B163 exceeding the California and federal MCL of 5 µg/L.

Chromium. Chromium was detected at 17 of the 25 sampling locations, with concentrations ranging from of 0.17 and 28 µg/L. No detection exceeded the California MCL of 50 µg/L or the federal MCL of 100 µg/L.

Cobalt. Cobalt was detected at 12 sampling locations, with concentrations ranging from 0.15 to 5.7 µg/L. There is no MCL for cobalt.

Copper. Copper was detected in four samples, with concentrations ranging from 1.5 to 22 µg/L. No sample concentration exceeded the California and federal MCL of 1,300 µg/L.

Lead. Lead was detected at six locations, with concentrations ranging from 0.11 to 2.2 µg/L. No detection exceeded the California and federal MCL of 15 µg/L.

Manganese. Manganese was detected in all 25 samples, ranging in concentration from 0.48 to 19,000 µg/L. There is no MCL for manganese. The samples collected from 14 of the 25 locations exceeded the secondary MCL of 50 µg/L.

Mercury. Mercury was detected at 10 sampling locations, with concentrations ranging from 0.106 to 4.51 µg/L. The samples collected from location B195 exceeded the California and federal MCL of 2 µg/L, with a concentration of 4.51 µg/L in the original sample and 4.59 µg/L detected in the duplicate sample.

Molybdenum. Molybdenum was detected at 19 sampling locations, with concentrations ranging from 0.45 to 43 µg/L. There is no MCL for molybdenum.

Nickel. Nickel was detected in 22 of the 25 sampling locations at concentrations ranging from 1.6 to 200 µg/L, with the two values at locations B163 (200 µg/L) and PZ11 (150 µg/L) exceeding the California MCL of 100 µg/L. Piezometer PZ11 is located near the eastern property boundary where Campus Bay has recently performed pilot studies of substrate injections for VOC degradation. The elevated concentrations of metals at this location may be due to the reducing conditions in the soil created by the pilot study.

Selenium. Selenium was detected at 14 sampling locations, with concentrations ranging from 0.26 and 82 µg/L. The concentration detected at location B150 (82 µg/L) exceeded the California and federal MCL of 50 µg/L.

Silver. Silver was detected in one sample with a concentration of 0.12 µg/L. There is no MCL for silver; no detection exceeded the secondary MCL of 100 µg/L.

Thallium. Thallium was detected at six locations, with concentrations ranging from 0.043 to 0.089 µg/L. No detection exceeded the California and federal MCL of 2 µg/L.

Vanadium. Vanadium was detected in all 25 sampling locations, ranging in concentration from 0.34 to 7.1 µg/L. There is no MCL for vanadium.

Zinc. Zinc was detected at 18 locations, with concentrations ranging from 2.4 to 260 µg/L, with the highest concentration at PZ11. There is no MCL for zinc. Piezometer PZ11 is located near the eastern property boundary where Campus Bay has recently performed pilot studies of substrate injections for VOC degradation. The elevated concentrations of metals at this location may be due to the reducing conditions in the soil created by the pilot study. No detection exceeded the secondary MCL of 5,000 µg/L.

7.0 COMPARISON OF APRIL 2014 DATA TO PREVIOUS SAMPLING EVENTS

The Phase I November 2010 through April 2012 Groundwater Sampling Results Technical Memorandum (Tetra Tech 2012) and the 2013 Groundwater Sampling Results Technical Memorandum (Tetra Tech 2013b) evaluated and described chemical trends observed during the first five rounds of sampling. The data collected in April 2014 were consistent with previous rounds of data in that analytes were detected at similar concentrations in the same geographic areas.

- VOCs were detected at similar concentrations and in the same general areas as in previous rounds of data collection. The majority of the VOCs detected at concentrations that exceed the California or federal MCL were found along the eastern property boundary, primarily at locations PZ11 and B163. The exceptions were detections of carbon tetrachloride, which was detected at concentrations exceeding the MCL at locations B185 and CTP.
- SVOCs and PAHs have historically been detected infrequently across the Site. This latest round of sampling was consistent with previous data collected; only one compound (1,4-dioxane) was detected and no concentrations exceeded an MCL.
- Metals were also detected at similar concentrations and in the same general areas as in previously collected rounds of data. The MCLs for metals were exceeded at a total of 6 sample locations. Elevated concentrations of metals at piezometers PZ11 may be due to the reducing conditions in the soil created by the pilot study.

Groundwater elevations will be monitored in October 2014 and April 2015, and samples will be collected for chemical analysis in April 2015 from the same piezometers that were sampled in 2013 and 2014. For the April 2015 groundwater monitoring event, measurements for TDS should be obtained from each piezometer via a sample analyzed at the laboratory or a field instrument.

8.0 REFERENCES

Tetra Tech EM Inc. (Tetra Tech EM Inc. 1996-2012; Currently Tetra Tech, Inc. [Tetra Tech]). 2008. Current Conditions Report, University of California, Berkeley, Richmond Field Station, Richmond, California. November 21.

Tetra Tech. 2010. Phase I Groundwater Sampling, Field Sampling Workplan, University of California, Berkeley, Richmond Field Station, Richmond, California. June 2.

Tetra Tech. 2011. Final Phase I Groundwater Sampling Results, Technical Memorandum, University of California, Berkeley, Richmond Field Station, Richmond, California. August 22.

Tetra Tech. 2012. Phase I November 2010 through April 2012 Groundwater Sampling Results Technical Memorandum, University of California, Berkeley, Richmond Field Station, Richmond, California. December 12.

Tetra Tech. 2013a. Site Characterization Report. Proposed Richmond Bay Campus, Research, Education, and Support Area and Groundwater within the Richmond Field Station Site. May 28.

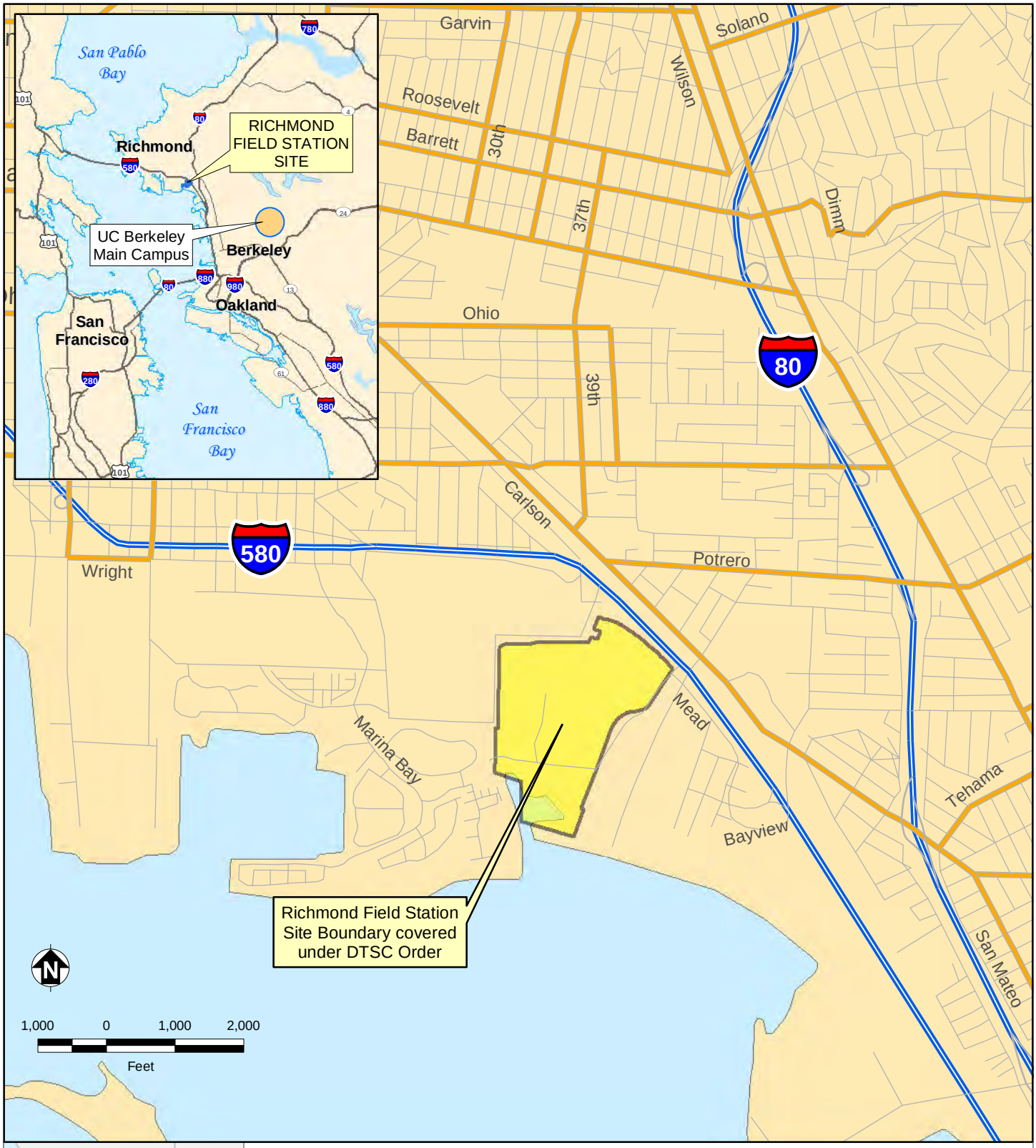
Tetra Tech. 2013b. 2013 Groundwater Sampling Results Technical Memorandum, University of California, Berkeley, Richmond Field Station, Richmond, California. October 10.

U.S. Environmental Protection Agency (EPA). 2002. Guidance for Quality Assurance Project Plans. Document Number EPA QA/G-5. December.

EPA. 2008. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review." Document Number EPA-540-R-08-01. June.

EPA. 2010. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review." Document Number EPA-540-R-10-011. January.

FIGURES



Notes:
DTSC Department of Toxic Substances Control.

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 1
SITE LOCATION MAP

2014 Groundwater Sampling Results

Bay Trail
Meeker Slough
Western Stege Marsh
Transition Area (Including Bulb)
Upland

Richmond Field Station Site Boundary

TETRA TECH

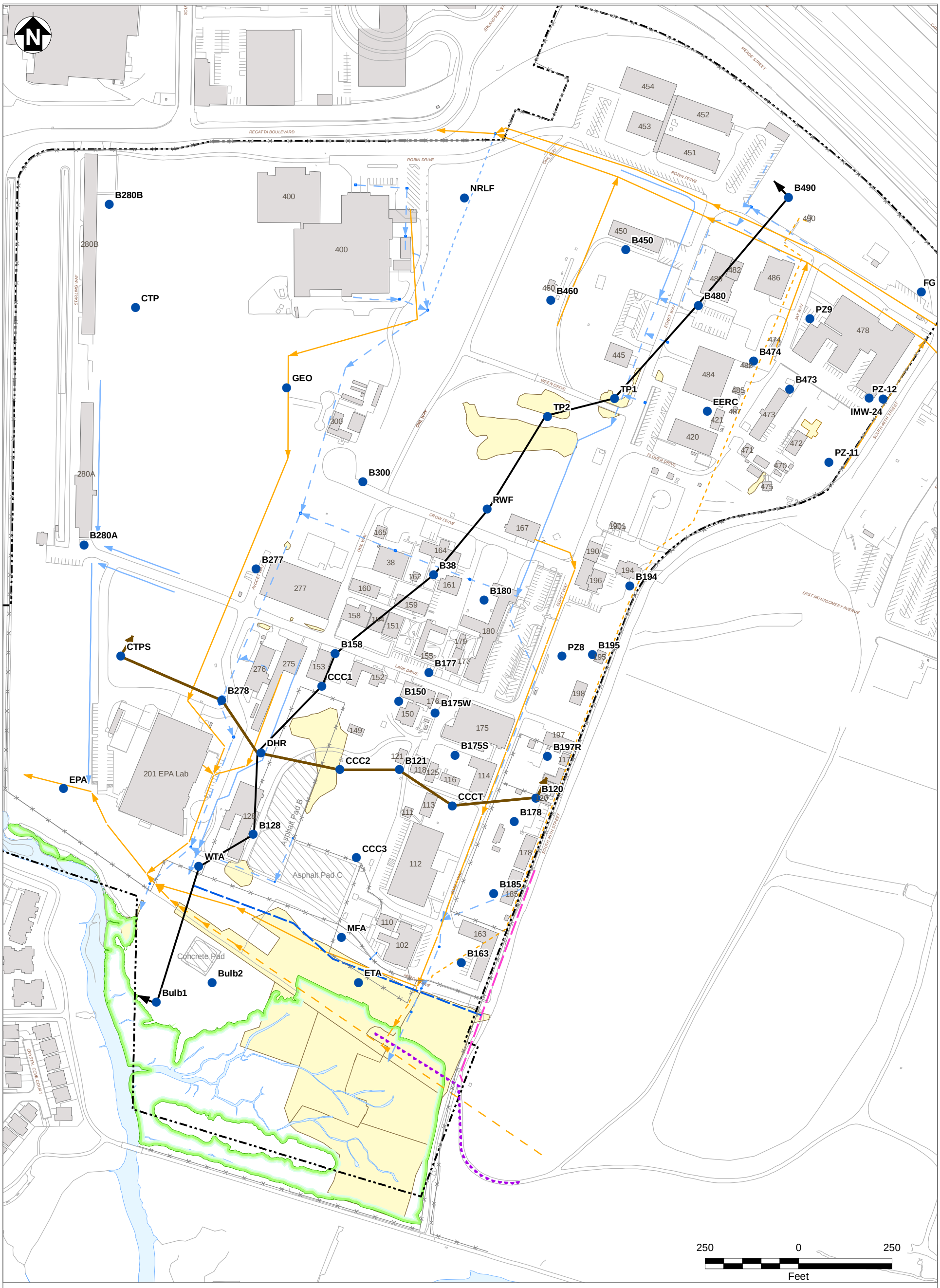
Richmond Field Station Site
University of California, Berkeley

FIGURE 2
SITE MAP

2014 Groundwater Sampling Results

Notes:

EBRPD	East Bay Regional Parks District
EERC	Earthquake Engineering Reseach Center
EPA	Environmental Protection Agency
NRLF	Northern Regional Library Facility
RFS	Richmond Field Station



Existing Buildings
Asphalt/Concrete Pads
Remediated Areas
Surface Water
Marsh Boundary
Richmond Field Station Site Boundary
Roads and Other Landscape Features
Fenceline
A-A' Cross-Section, see Figure 12
B-B' Cross-Section, see Figure 13

Biologically Active Permeable Barrier Wall
Former Seawall (Approximate)
Slurry Wall
Storm Drain Lines:
Open Swale
Underground Culvert
Underground Culvert, Abandoned (Grouted at Manholes)
Sanitary Sewer Lines:
Existing Sewer Line
Removed Sewer Line
Abandoned Sewer Line

Piezometer Sampled April 2014

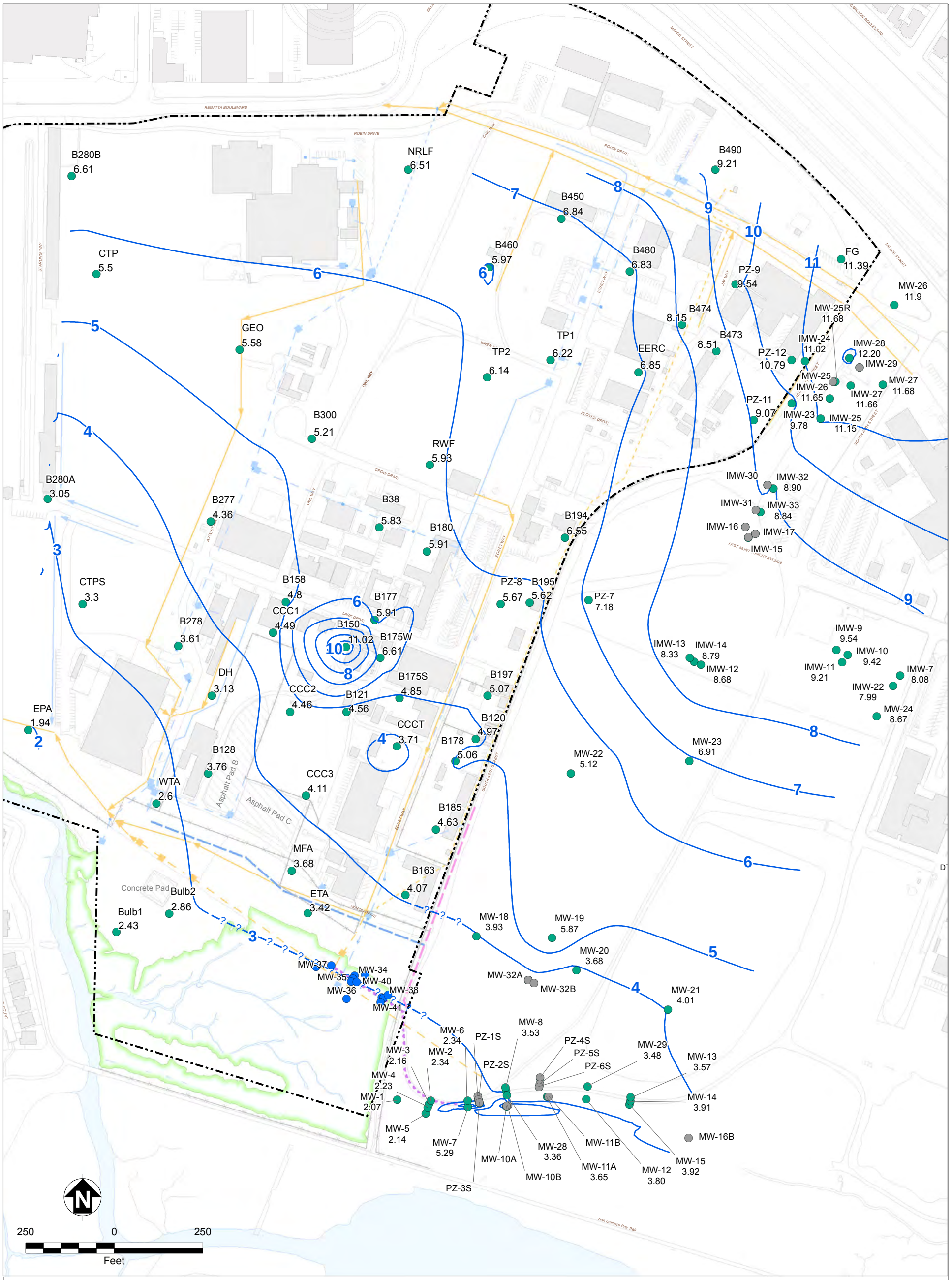
Note:
Piezometers DHR and B197R replaced piezometers DH and B197, which were abandoned in 2013.

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 3
GROUNDWATER SAMPLING LOCATIONS

2014 Groundwater Sampling Results



- Piezometer Groundwater Elevation Measured in November 2010
- Piezometer Groundwater Elevation Not Measured in November 2010
- BAPB Wells on RFS Property
- November 2010 Groundwater Contours
- Contour Estimated due to Proximity to BAPB Wall, Slurry Wall, or Marsh
- Existing Building
- Asphalt/Concrete Pad
- Surface Water
- Marsh Boundary
- Richmond Field Station Site Boundary
- Roads and Other Landscape Features
- Fenceline
- BAPB Wall
- Former Seawall (Approximate)
- Slurry Wall

Storm Drain Lines:

- Open Swale
- Underground Culvert
- Underground Culvert, Abandoned (Grouted at Manholes)

Sanitary Sewer Lines:

- Existing Sewer Line
- Removed Sewer Line
- Abandoned Sewer Line

Note:
All data points surveyed to NGVD29.
Mean sea level = NGVD29 elevation (in feet) – 0.58 feet NGVD and mean sea level datum representative of Stege Marsh is derived from NOAA Richmond Inner Harbor tide gauge.

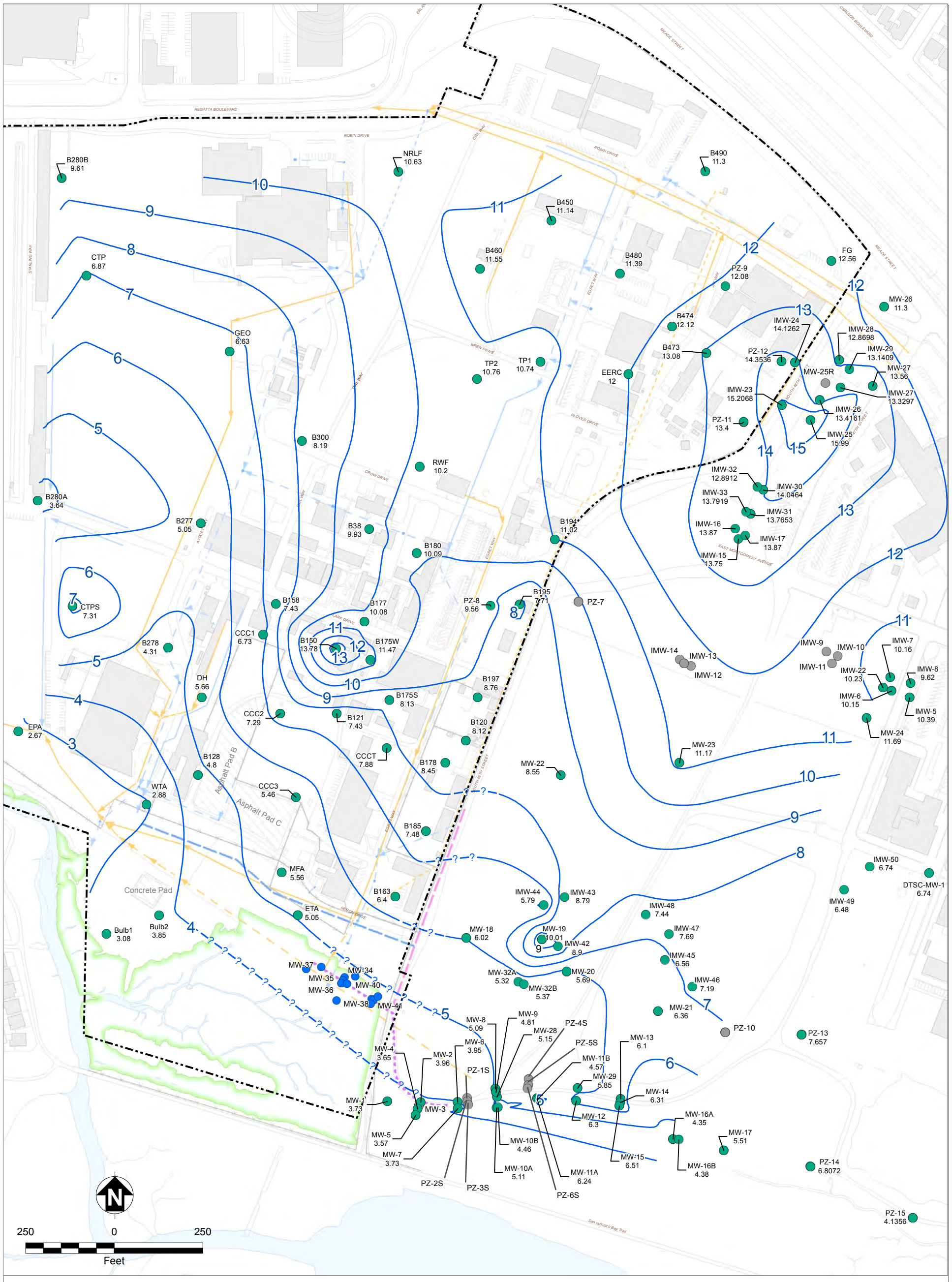
MW-10A
5.27
Piezometer ID
Groundwater Elevation (FT NGVD29)

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 4
SHALLOW GROUNDWATER ELEVATION CONTOURS, NOVEMBER 1, 2010

2014 Groundwater Sampling Results



- Piezometer Groundwater Elevation Measured in April 2011
- Piezometer Groundwater Elevation Not Measured in April 2011
- BAPB Wells on RFS Property
- April 2011 Groundwater Contours
- Contour Estimated due to Proximity to BAPB Wall, Slurry Wall, or Marsh
- Existing Building
- Asphalt/Concrete Pad
- Surface Water
- Marsh Boundary
- Richmond Field Station Site Boundary
- Roads and Other Landscape Features
- Fenceline
- Biologically Active Permeable Barrier Wall
- Former Seawall (Approximate)
- Slurry Wall

Storm Drain Lines:

- Open Swale
- Underground Culvert
- Underground Culvert, Abandoned (Grouted at Manholes)

Sanitary Sewer Lines:

- Existing Sewer Line
- Removed Sewer Line
- Abandoned Sewer Line

Piezometer ID
MW-10A
5.27
Groundwater Elevation (FT NGVD29)

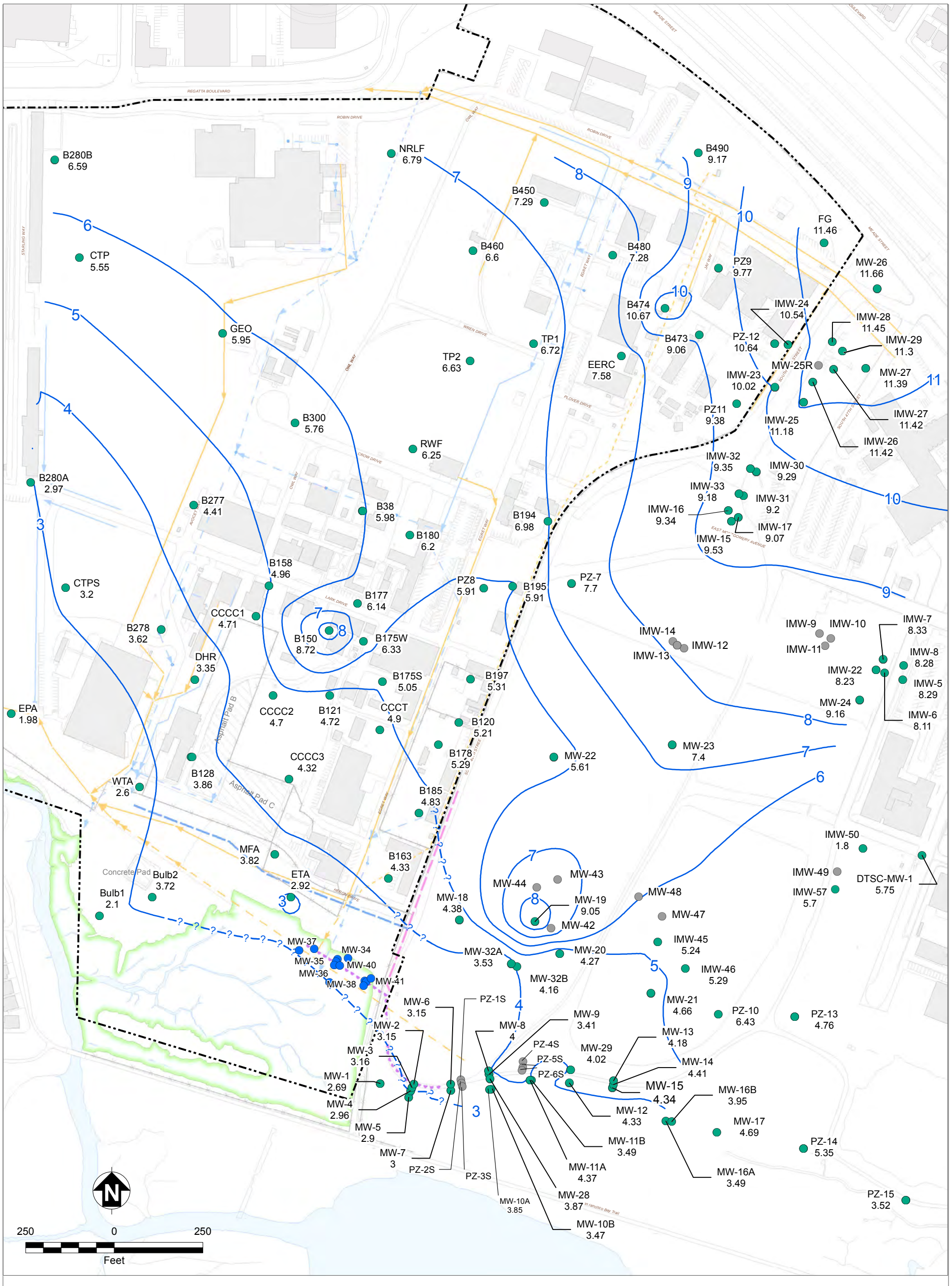
Note:
All data points surveyed to NGVD29.
Mean sea level = NGVD29 elevation (in feet) – 0.58 feet NGVD and mean sea level datum representative of Stege Marsh is derived from NOAA Richmond Inner Harbor tide gauge.

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 5
SHALLOW GROUNDWATER ELEVATION CONTOURS, APRIL 11, 2011

2014 Groundwater Sampling Results



Piezometer Groundwater Elevation Measured in October 2011
Piezometer Groundwater Elevation Not Measured in October 2011
BAPB Wells on RFS Property
October 2011 Groundwater Contours
Contour Estimated due to Proximity to BAPB Wall, Slurry Wall, or Marsh
Existing Building
Asphalt/Concrete Pad
Surface Water
Marsh Boundary
Richmond Field Station Site Boundary
Roads and Other Landscape Features
Fenceline
BAPB Wall
Former Seawall (Approximate)

Slurry Wall

Storm Drain Lines:
Open Swale
Underground Culvert
Underground Culvert, Abandoned (Grouted at Manholes)

Sanitary Sewer Lines:
Existing Sewer Line
Removed Sewer Line
Abandoned Sewer Line

Note:
All data points surveyed to NGVD29.
Mean sea level = NGVD29 elevation (in feet) – 0.58 feet NGVD and mean sea level datum representative of Stege Marsh is derived from NOAA Richmond Inner Harbor tide gauge.

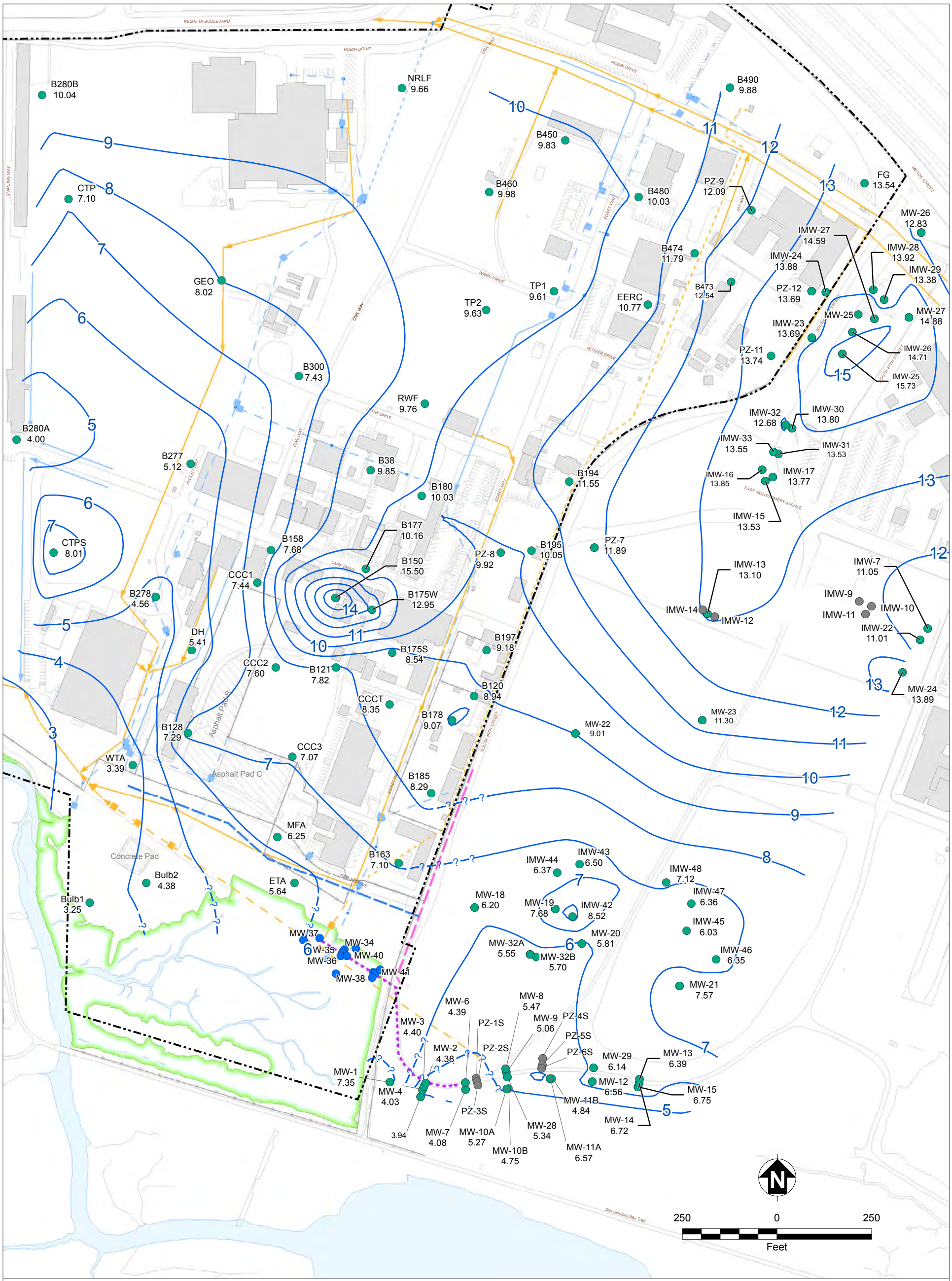
MW-10A 5.27
Piezometer ID
Groundwater Elevation (FT NGVD29)

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 6
SHALLOW GROUNDWATER ELEVATION CONTOURS, OCTOBER 3, 2011

2014 Groundwater Sampling Results



- Piezometer Groundwater Elevation Measured in April 2012
- Piezometer Groundwater Elevation Not Measured in April 2012
- BAPB Wells on RFS Property
- April 2012 Groundwater Contour
- Contour Estimated due to Proximity to BAPB Wall, Slurry Wall, or Marsh
- Existing Building
- Asphalt/Concrete Pad
- Surface Water
- Marsh Boundary
- Richmond Field Station Site Boundary
- Roads and Other Landscape Features
- Fenceline
- BAPB Wall
- Former Seawall (Approximate)
- Slurry Wall

Storm Drain Lines:

- Open Swale
- Underground Culvert
- Underground Culvert, Abandoned (Grouted at Manholes)

Sanitary Sewer Lines:

- Existing Sewer Line
- Removed Sewer Line
- Abandoned Sewer Line

Piezometer ID
MW-10A
5.27
Groundwater Elevation (FT NGVD29)

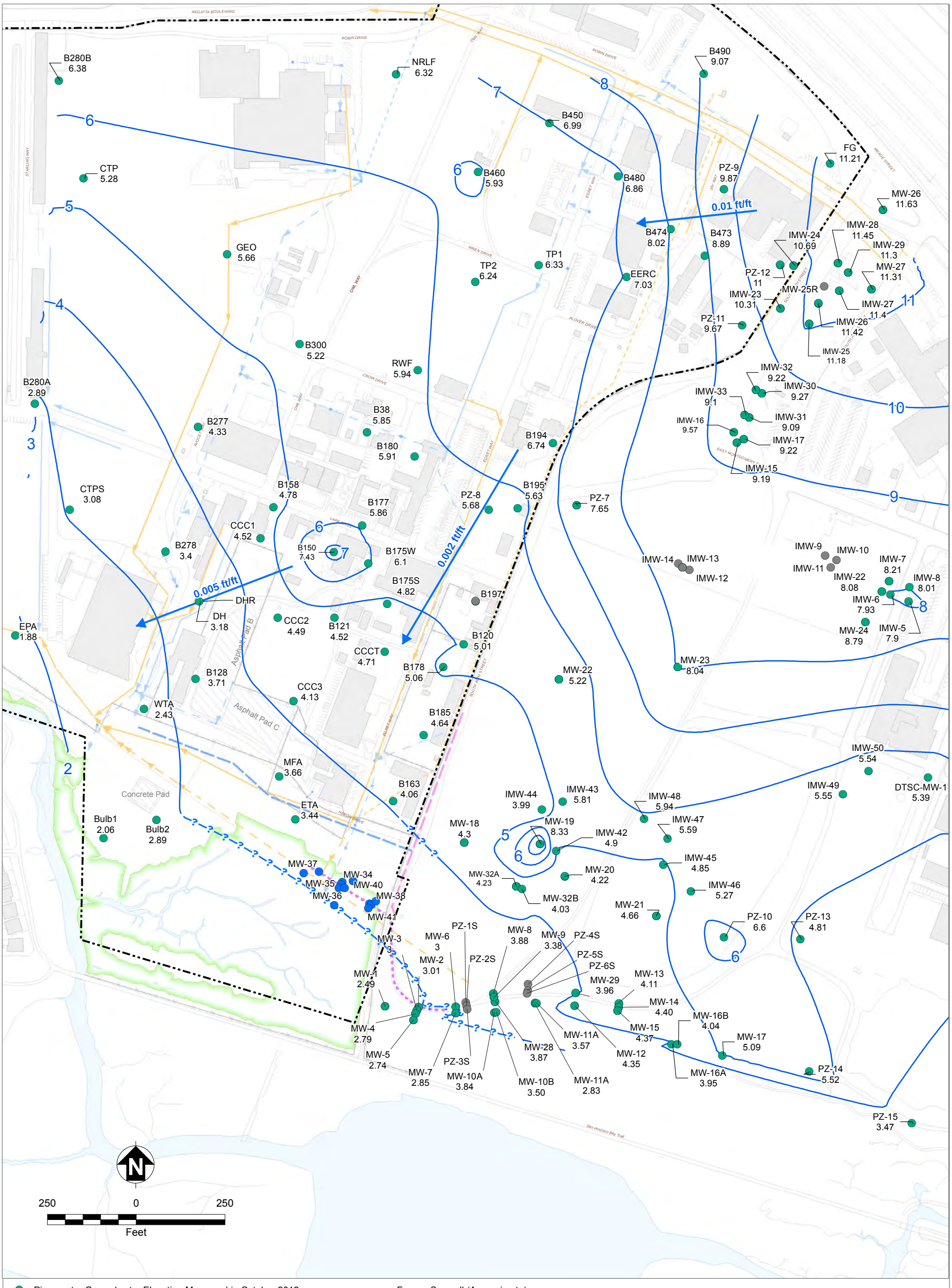
Note:
All data points surveyed to NGVD29.
Mean sea level = NGVD29 elevation (in feet) – 0.58 feet NGVD and mean sea level datum representative of Stege Marsh is derived from NOAA Richmond Inner Harbor tide gauge.

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 7
SHALLOW GROUNDWATER ELEVATION CONTOURS, APRIL 2, 2012

2014 Groundwater Sampling Results



- Piezometer Groundwater Elevation Measured in October 2012
- Piezometer Groundwater Elevation Not Measured in October 2012
- BAPB Wells on RFS Property
- October 2012 Groundwater Contours
- Contour Estimated due to Proximity to BAPB Wall, Slurry Wall, or Marsh
- Estimated Horizontal Groundwater Gradient Direction (Value)
- Existing Building
- Asphalt/Concrete Pad
- Surface Water
- Marsh Boundary
- Richmond Field Station Site Boundary
- Roads and Other Landscape Features
- Fenceline
- BAPB Wall
- Former Seawall (Approximate)
- Slurry Wall

Storm Drain Lines:

- Open Swale
- Underground Culvert
- Underground Culvert, Abandoned (Grouted at Manholes)

Sanitary Sewer Lines:

- Existing Sewer Line
- Removed Sewer Line
- Abandoned Sewer Line

Note:
All data points surveyed to NGVD29.
Mean sea level = NGVD29 elevation (in feet) – 0.58 feet NGVD and mean sea level datum representative of Stege Marsh is derived from NOAA Richmond Inner Harbor tide gauge.

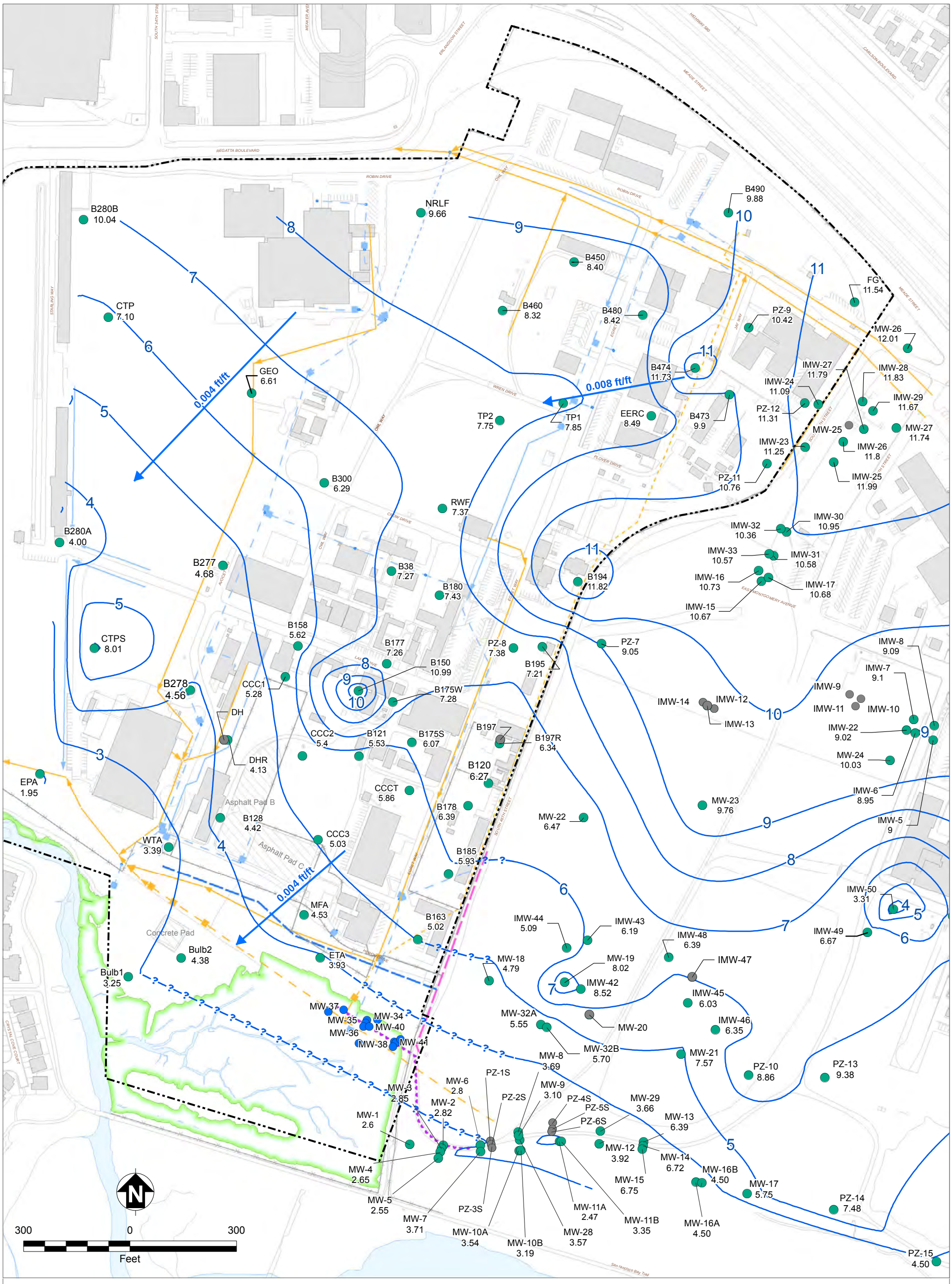
MW-10A
5.27
Piezometer ID
Groundwater Elevation (FT NGVD29)

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 8
SHALLOW GROUNDWATER ELEVATION CONTOURS, OCTOBER 1, 2012

2014 Groundwater Sampling Results



- Piezometer Groundwater Elevation Measured in April 2013
- Piezometer Groundwater Elevation Not Measured in April 2013
- BAPB Wells on RFS Property
- April 2013 Groundwater Contour
- Contour Estimated due to Proximity to BAPB Wall, Slurry Wall, or Marsh
- Estimated Horizontal Groundwater Gradient Direction (Value)
- Existing Building
- Asphalt/Concrete Pad
- Surface Water
- Marsh Boundary
- Richmond Field Station Site Boundary
- Roads and Other Landscape Features
- Fenceline
- BAPB Wall
- Former Seawall (Approximate)
- Slurry Wall

Storm Drain Lines:

- Open Swale
- Underground Culvert
- Underground Culvert, Abandoned (Grouted at Manholes)

Sanitary Sewer Lines:

- Existing Sewer Line
- Removed Sewer Line
- Abandoned Sewer Line

Note:
All data points surveyed to NGVD29.
Mean sea level = NGVD29 elevation (in feet) – 0.58 feet NGVD and mean sea level datum representative of Stege Marsh is derived from NOAA Richmond Inner Harbor tide gauge.

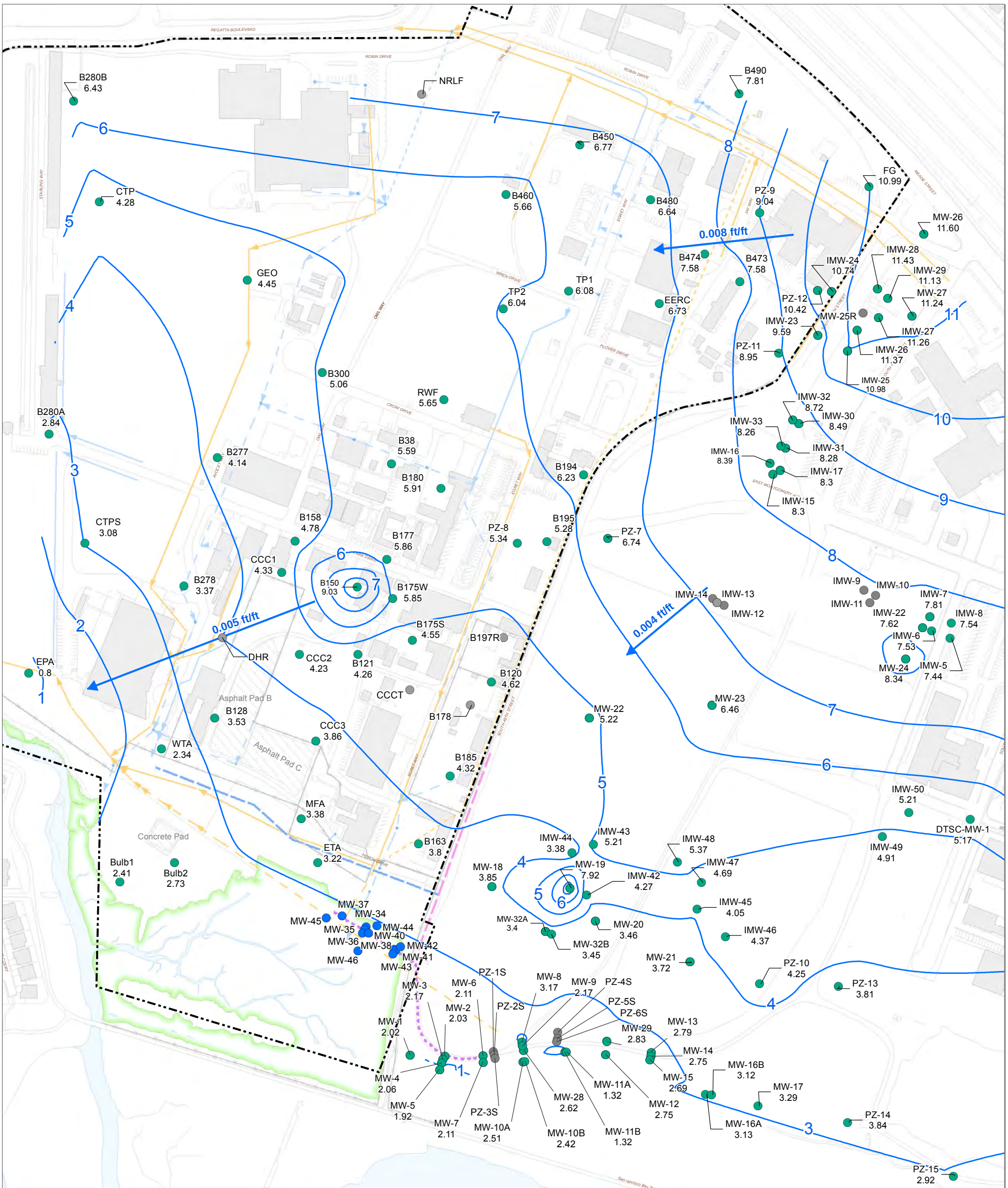
Piezometer ID
MW-10A
5.27
Groundwater Elevation (FT NGVD29)

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 9
SHALLOW GROUNDWATER ELEVATION CONTOURS, APRIL 1, 2013

2014 Groundwater Sampling Results



- Piezometer Groundwater Elevation Measured in October 2013
- Piezometer Groundwater Elevation Not Measured in October 2013
- BAPB Wells on RFS Property
- Estimated Horizontal Groundwater Gradient Direction (Value)
- Existing Building
- Asphalt/Concrete Pad
- Surface Water
- Marsh Boundary
- Richmond Field Station Site Boundary
- Roads and Other Landscape Features
- Fenceline
- BAPB Wall
- Former Seawall (Approximate)
- Slurry Wall

Storm Drain Lines:

- Open Swale
- Underground Culvert
- Underground Culvert, Abandoned (Grouted at Manholes)

Sanitary Sewer Lines:

- Existing Sewer Line
- Removed Sewer Line
- Abandoned Sewer Line

Note:
All data points surveyed to NGVD29.
Mean sea level = NGVD29 elevation (in feet) – 0.58 feet NGVD and mean sea level datum representative of Stege Marsh is derived from NOAA Richmond Inner Harbor tide gauge.

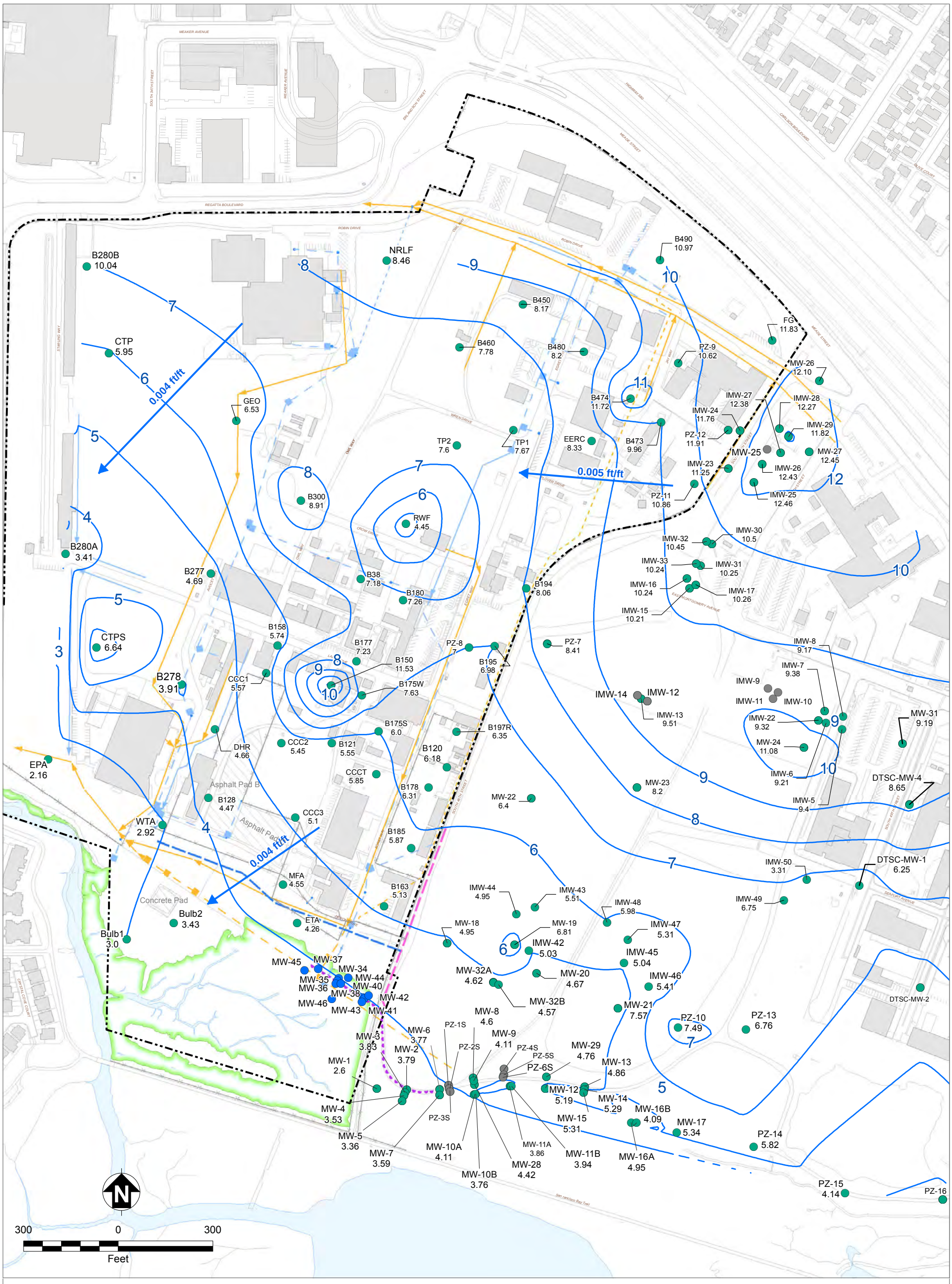
MW-10A
5.27
Piezometer ID
Groundwater Elevation (FT NGVD29)

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 10
SHALLOW GROUNDWATER ELEVATION CONTOURS, OCTOBER 7, 2013

2014 Groundwater Sampling Results



- Piezometer Groundwater Elevation Measured in March 2014
- Piezometer Groundwater Elevation Not Measured in March 2014
- BAPB Wells on RFS Property
- April 2014 Groundwater Contour
- Estimated Horizontal Groundwater Gradient Direction (Value)
- Existing Building
- Asphalt/Concrete Pad
- Surface Water
- Marsh Boundary
- Richmond Field Station Site Boundary
- Roads and Other Landscape Features
- Fenceline
- BAPB Wall
- Former Seawall (Approximate)
- Slurry Wall

Storm Drain Lines:

- Open Swale
- Underground Culvert
- Underground Culvert, Abandoned (Grouted at Manholes)

Sanitary Sewer Lines:

- Existing Sewer Line
- Removed Sewer Line
- Abandoned Sewer Line

Note:
All data points surveyed to NGVD29.
Mean sea level = NGVD29 elevation (in feet) – 0.58 feet NGVD and mean sea level datum representative of Stege Marsh is derived from NOAA Richmond Inner Harbor tide gauge.

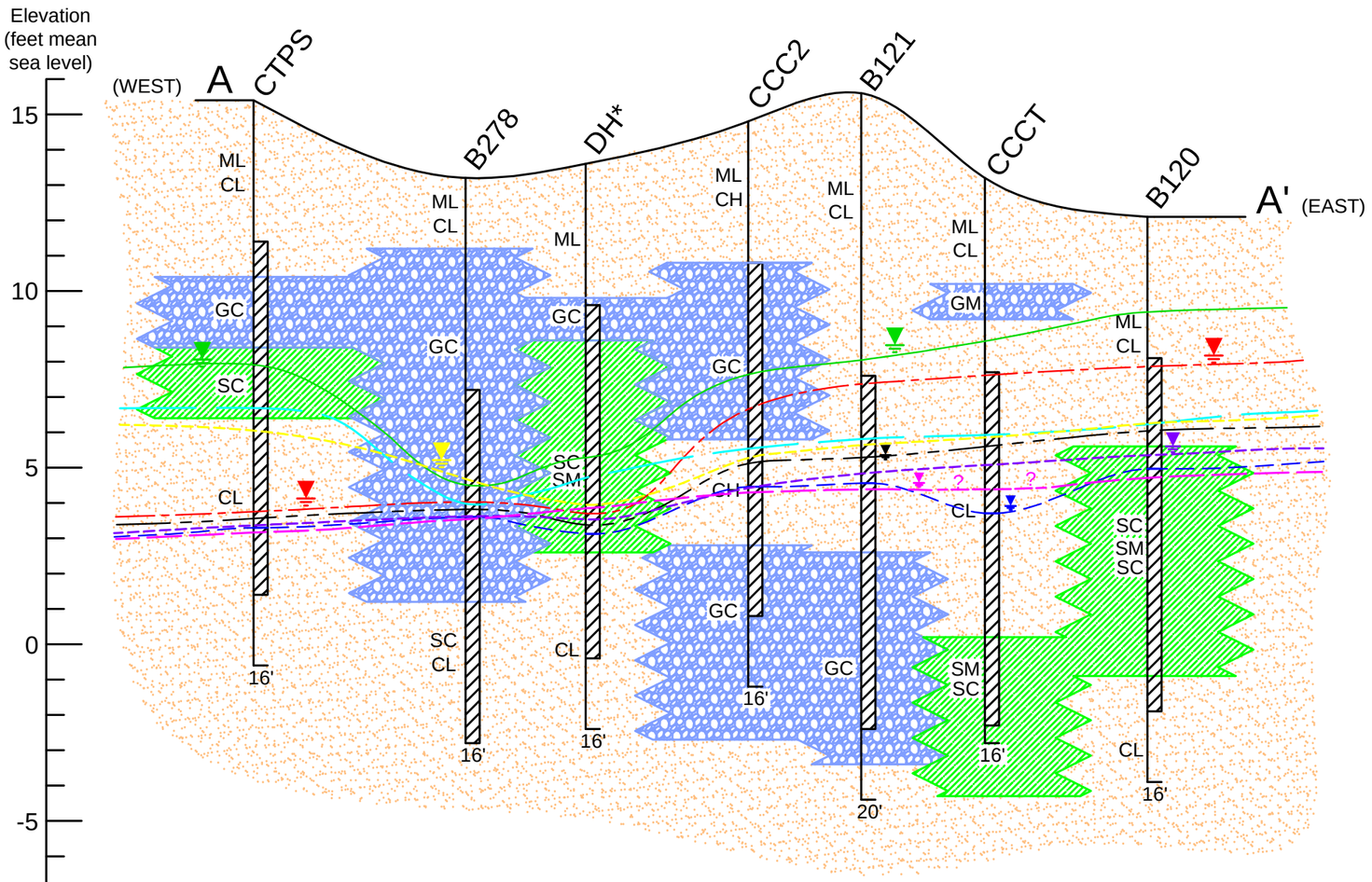
MW-10A
5.27
Piezometer ID
Groundwater Elevation (FT NGVD29)

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 11
SHALLOW GROUNDWATER ELEVATION CONTOURS, MARCH 28, 2014

2014 Groundwater Sampling Results



Horizontal Scale

200 0 200

Feet

Silt / Clay

Clayey Gravel

Clayey / Silty Sand

Well Screen Interval

? Water level not measured at well because of blockage by root accumulation.

* Piezometer DH was abandoned in 2013 and replaced with piezometer DHR, located 5 feet away from the original location.

Estimated Groundwater Table (November 2010)

Estimated Groundwater Table (April 2011)

Estimated Groundwater Table (October 2011)

Estimated Groundwater Table (April 2012)

Estimated Groundwater Table (October 2012)

Estimated Groundwater Table (April 2013)

? Estimated Groundwater Table (October 2013)

Estimated Groundwater Table (March 2014)

Unified Soil Classification System

GM	Silty Gravel, Gravel-Sand-Silt Mix
GC	Clayey Gravel, Gravel-Sand-Clay Mix
SW	Well-graded Sand, Gravelly Sand
SP	Poorly-Graded Sand, Gravelly Sand
SM	Silty Sand, Sand-Silt Mix
SC	Clayey-Sand, Sand-Clay Mix
ML	Inorganic Silt, Silty or Clayey Fine Sand
CL	Inorganic Clay of Low - Mod Plasticity
MH	Inorganic Silt, Silty Soil, Elastic Silt
CH	Inorganic Clay of High Plasticity

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 12
GEOLOGIC CROSS-SECTION
A - A'

2014 Groundwater Sampling Results

s:\univ of cal berkeley_103s2253\task order files\task order 4423, fsw gw sampling v\r6_2014\tech memo\2. figures\cad native\rfs_cross-sections with wls.dwg TtEMI-OAK duffy, mark

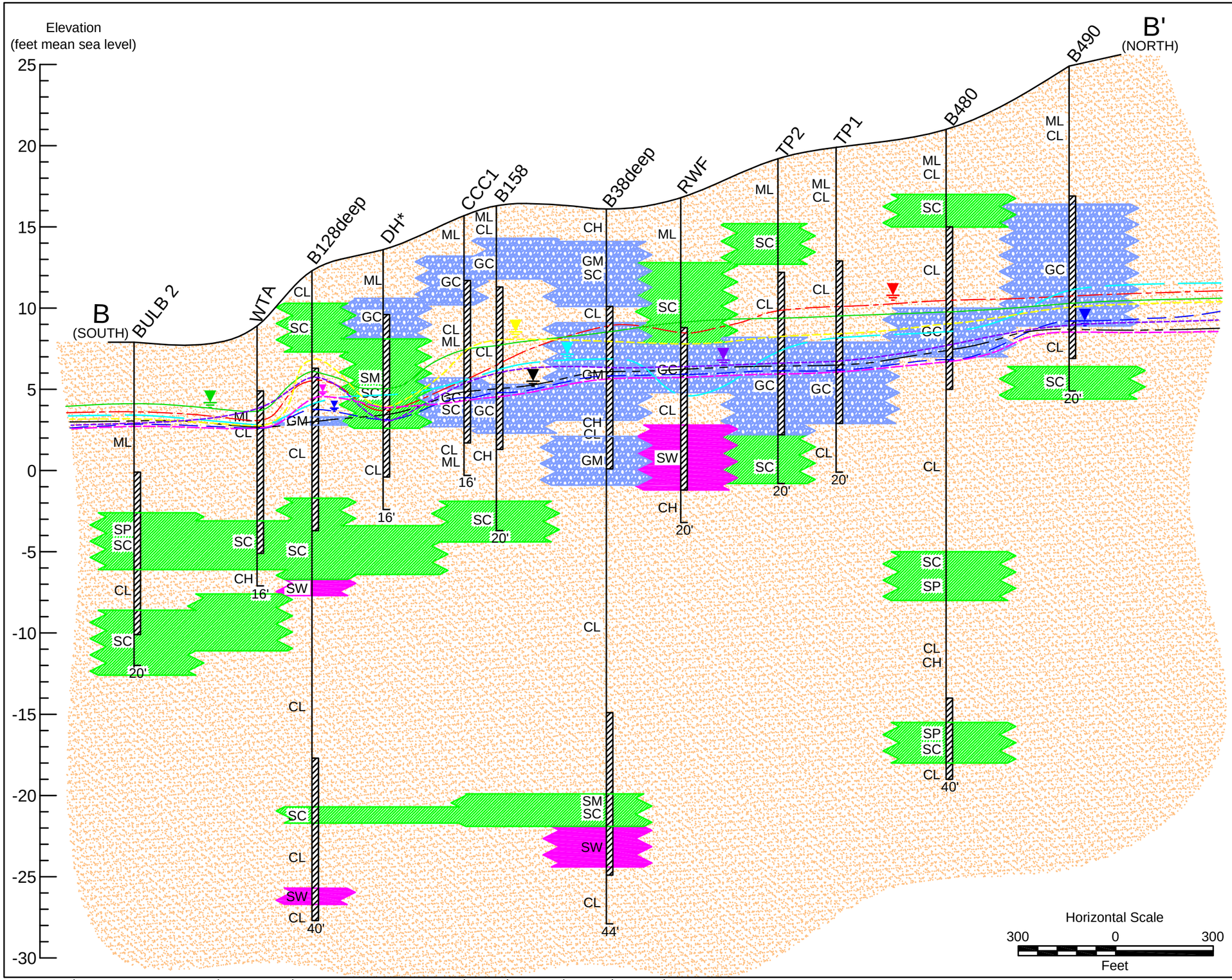
Elevation
(feet mean sea level)

25
20
15
10
5
0
-5
-10
-15
-20
-25
-30

B
(SOUTH)

B'
(NORTH)

BULB 2
WTA
B128deep
DH*
CCC1
B158
B38deep
RWF
TP2
TP1
B480
B490



Horizontal Scale
300 0 300
Feet

Silt / Clay
Clayey Gravel
Clayey / Silty Sand
Sand
Well Screen Interval

* Piezometer DH was abandoned in 2013 and replaced with piezometer DHR, located 5 feet away from the original location.

Estimated Groundwater Table (November 2010)
Estimated Groundwater Table (April 2011)
Estimated Groundwater Table (October 2011)
Estimated Groundwater Table (April 2012)
Estimated Groundwater Table (October 2012)
Estimated Groundwater Table (April 2013)
Estimated Groundwater Table (October 2013)
Estimated Groundwater Table (March 2014)

Unified Soil Classification System

GM	Silty Gravel, Gravel-Sand-Silt Mix
GC	Clayey Gravel, Gravel-Sand-Clay Mix
SW	Well-graded Sand, Gravelly Sand
SP	Poorly-Graded Sand, Gravelly Sand
SM	Silty Sand, Sand-Silt Mix
SC	Clayey-Sand, Sand-Clay Mix
ML	Inorganic Silt, Silty or Clayey Fine Sand
CL	Inorganic Clay of Low - Mod Plasticity
MH	Inorganic Silt, Silty Soil, Elastic Silt
CH	Inorganic Clay of High Plasticity

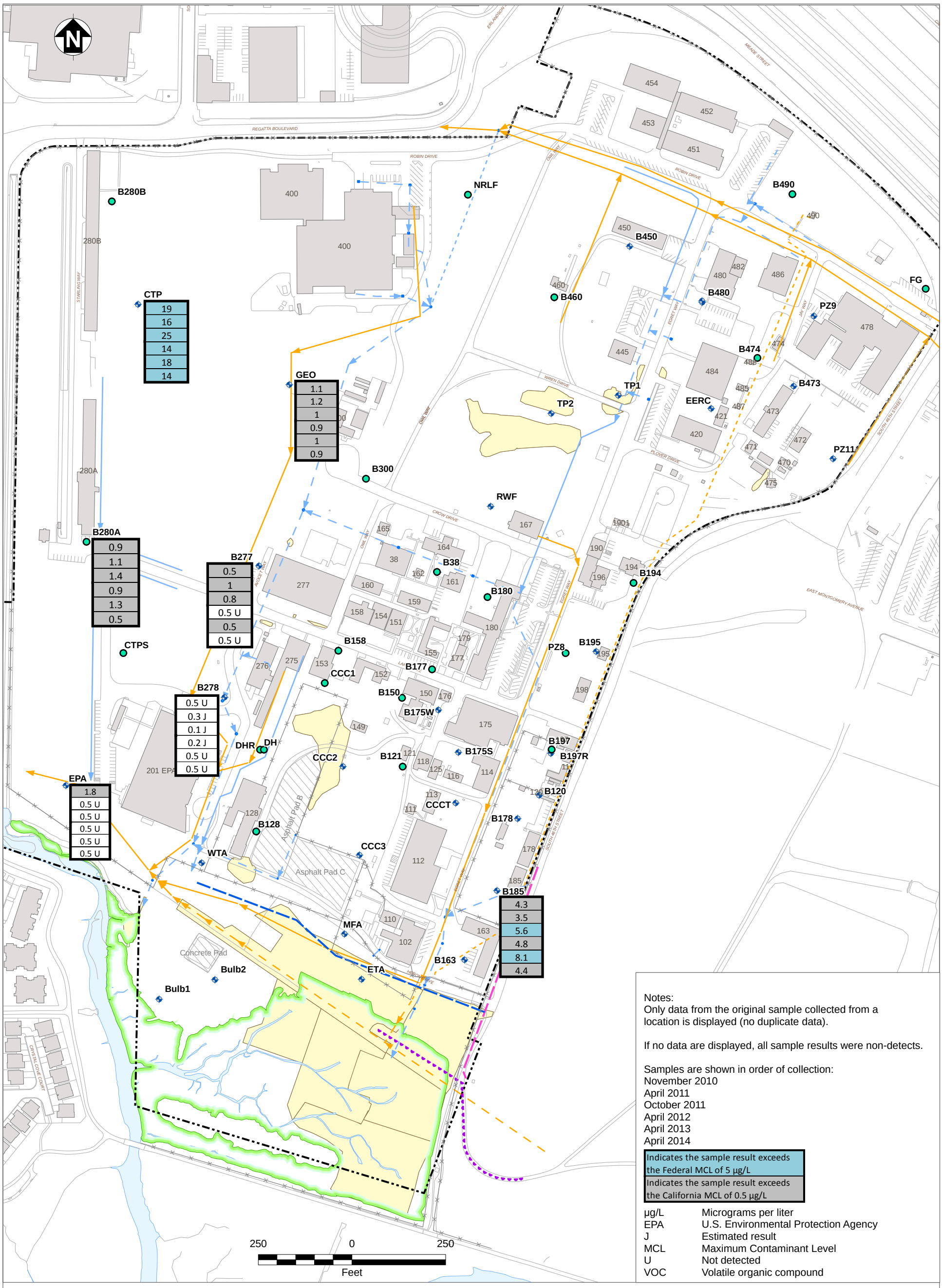
TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 13
GEOLOGIC CROSS-SECTION
B - B'

2014 Groundwater Sampling Results

s:\univ of cal berkeley_103s2253\task order files\task order 4423, fsw gw sampling v\r6_2014\tech memo\2. figures\cad native\rfs_cross-sections with wls.dwg TtEMI-OAK duffy, mark



Notes:
Only data from the original sample collected from a location is displayed (no duplicate data).

If no data are displayed, all sample results were non-detects.

Samples are shown in order of collection:
November 2010
April 2011
October 2011
April 2012
April 2013
April 2014

Indicates the sample result exceeds the Federal MCL of 5 µg/L
Indicates the sample result exceeds the California MCL of 0.5 µg/L

µg/L	Micrograms per liter
EPA	U.S. Environmental Protection Agency
J	Estimated result
MCL	Maximum Contaminant Level
U	Not detected
VOC	Volatile organic compound

- Groundwater Sampling Locations
- Shallow Piezometers Not Sampled for VOCs in April 2013
- Existing Buildings
- Asphalt/Concrete Pads
- Remediated Areas
- Surface Water
- Marsh Boundary
- Richmond Field Station Site Boundary
- Roads and Other Landscape Features
- Fenceline
- Biologically Active Permeable Barrier Wall
- Former Seawall (Approximate)
- Slurry Wall

Storm Drain Lines:
- Open Swale
- Underground Culvert
- Underground Culvert, Abandoned (Grouted at Manholes)

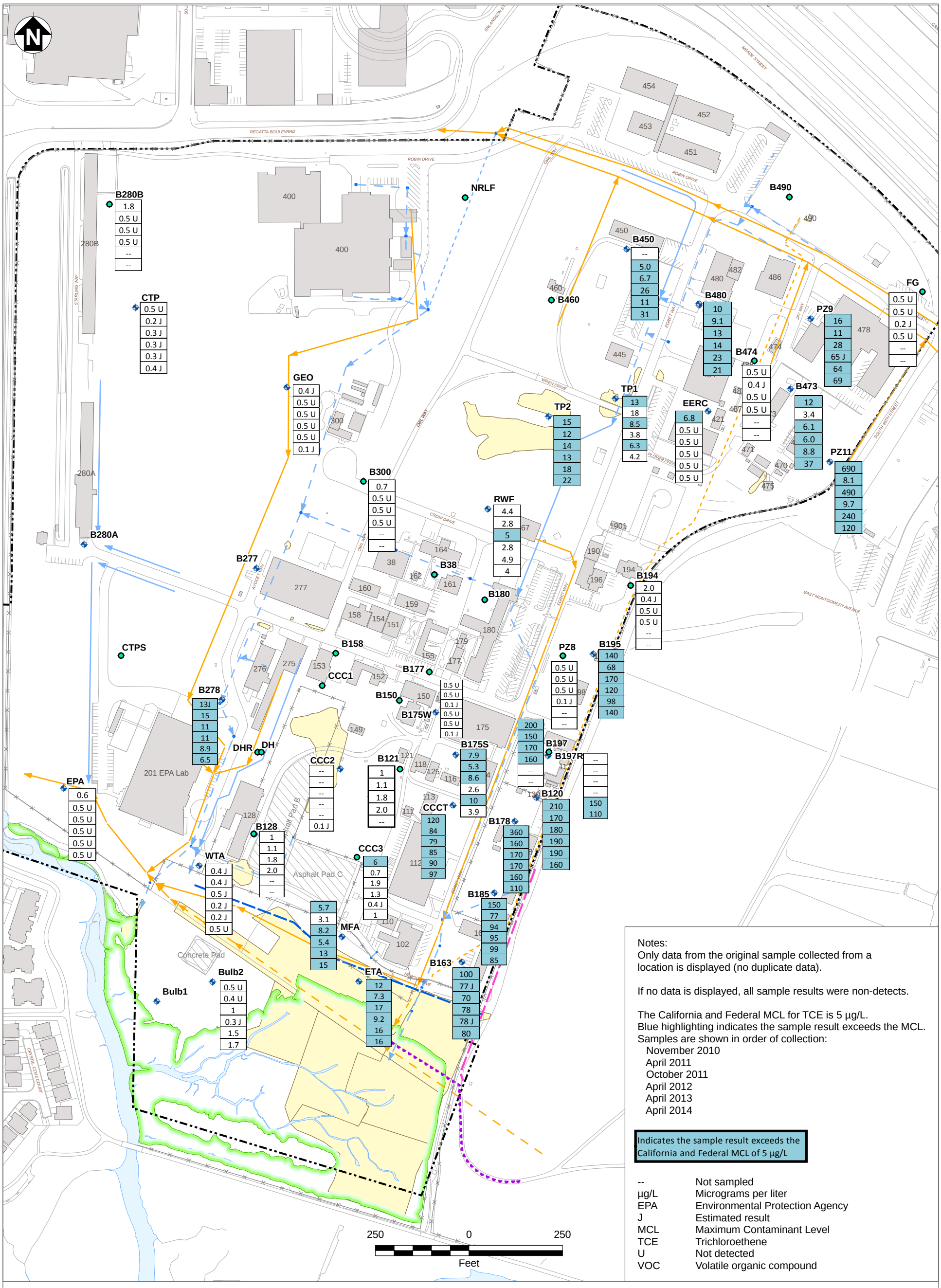
Sanitary Sewer Lines:
- Existing Sewer Line
- Removed Sewer Line
- Abandoned Sewer Line

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 14
CARBON TETRACHLORIDE GROUNDWATER CONCENTRATIONS

2014 Groundwater Sampling Results



Notes:
Only data from the original sample collected from a location is displayed (no duplicate data).

If no data is displayed, all sample results were non-detects.

The California and Federal MCL for TCE is 5 µg/L.
Blue highlighting indicates the sample result exceeds the MCL.
Samples are shown in order of collection:
- November 2010
- April 2011
- October 2011
- April 2012
- April 2013
- April 2014

Indicates the sample result exceeds the California and Federal MCL of 5 µg/L

--	Not sampled
µg/L	Micrograms per liter
EPA	Environmental Protection Agency
J	Estimated result
MCL	Maximum Contaminant Level
TCE	Trichloroethene
U	Not detected
VOC	Volatile organic compound

- Groundwater Sampling Locations
- Shallow Piezometers Not Sampled for VOCs in April 2014
- Existing Buildings
- Asphalt/Concrete Pads
- Remediated Areas
- Surface Water
- Marsh Boundary
- Richmond Field Station Site Boundary
- Roads and Other Landscape Features
- Fenceline
- Biologically Active Permeable Barrier Wall
- Former Seawall (Approximate)
- Slurry Wall

Storm Drain Lines:
- Open Swale
- Underground Culvert
- Underground Culvert, Abandoned (Grouted at Manholes)

Sanitary Sewer Lines:
- Existing Sewer Line
- Removed Sewer Line
- Abandoned Sewer Line

TETRA TECH

Richmond Field Station Site
University of California, Berkeley

FIGURE 15
TCE GROUNDWATER CONCENTRATIONS

2014 Groundwater Sampling Results

TABLES

Table 1: Groundwater Sampling Registry
2014 Groundwater Sampling Results, Technical Memorandum
University of California, Berkeley, Richmond Field Station Site, Richmond, California

Groundwater Samples							
			Analysis	VOCs (EPA Method 8260B)	SVOCs (EPA Method 8270C)	PAH (EPA Method 8270-SIM)	Dissolved Metals (EPA Method 6020A/7470A series)
			Sample Container	3 40mL Amber VOA vials with HCl	1 Liter Amber	1 Liter Amber	500mL Poly with HNO3
			Holding Time	14 Days	7/40 days	7/40 days	Metals – 6 Months (except Mercury – 28 Days)
Sample ID	Point Location ID	Sampling Date	Screening Interval (feet bgs)				
RFSGWB12006	B120	4/1/2014	4-14	X			
--	B121	NS	8-18				
RFSGWB12806	B128	4/10/2014	6-16		X	X	X
--	B128deep	NS	30-40				
RFSGWB15006	B150	4/1/2014	5.5-15.5				X
RFSGWB15806	B158	4/2/2014	5-15				X
RFSGWB16306	B163	4/1/2014	7-17	X	X	X	X
RFSGWB175S06	B175S	4/1/2014	5-15	X			X
RFSGWB175W06	B175W	4/1/2014	5-15	X			
--	B177	NS	9-19				
RFSGWB17806	B178	4/8/2014	4.5-14.5	X			X
RFSGWB18006	B180	4/8/2014	6-16		X	X	
RFSGWB18506	B185	4/8/2014	4-14	X			
--	B194	NS	7-17				
RFSGWB19506	B195	4/2/2014	6-16	X			X
RFSGWB19506D	B195	4/2/2014	6-16	X			X
RFSGWB197R06	B197R	4/8/2014	4-14	X			X
RFSGWB27706	B277	4/2/2014	7-17	X			
RFSGWB27806	B278	4/9/2014	6-16	X			
RFSGWB280A06	B280A	4/9/2014	4-14	X	X	X	
--	B280B	NS	6-16				
--	B300	NS	7-17				
--	B38	NS	7-17				
--	B38deep	NS	31-41				
RFSGWB45006	B450	4/3/2014	6-16	X			X
--	B460	NS	8-18				
RFSGWB47306	B473	4/3/2014	7-17	X			
RFSGWB47306D	B473	4/3/2014	7-17	X			
RFSGWB47406	B474	4/3/2014	6-16				X
RFSGWB48006	B480	4/3/2014	6-16	X			X
--	B480deep	NS	35-40				
--	B490	NS	8-18				
RFSGWBULB106	Bulb1	4/10/2014	8-18	X			X
RFSGWBULB206	Bulb2	4/10/2014	9-19	X	X	X	X
--	CCC1	NS	3.5-13.5				
RFSGWCCC206	CCC2	4/2/2014	4-14	X	X	X	X
RFSGWCCC306	CCC3	4/2/2014	4-14	X			X
RFSGWCCCT06	CCCT	4/8/2014	5.5-15.5	X			
RFSGWCTP06	CTP	4/3/2014	7-17	X	X	X	X
RFSGWCTP06D	CTP	4/3/2014	7-17	X	X	X	X
--	CTPdeep	NS	30-40				
--	CTPS	NS	4-14				
RFSGWDHR06	DHR	4/10/2014	3.5-13.5				X
RFSGWEERC06	EERC	4/3/2014	7-17	X			X
RFSGWEPA06	EPA	4/10/2014	4-14	X	X	X	
RFSGWETA06	ETA	4/8/2014	3.5-13.5	X			X
RFSGWFG06	FG	4/9/2014	6-16				X
RFSGWGEO06	GEO	4/9/2014	6.5-16.5	X			
RFSGWMFA06	MFA	4/8/2014	3.5-13.5	X	X	X	
RFSGWNRLF06	NRLF	4/9/2014	9-19				X
RFSGWPZ1106	PZ11	4/9/2014	9-19	X			X
RFSGWPZ806	PZ8	4/8/2014	8-21				X
RFSGWPZ906	PZ9	4/9/2014	9-20	X			
RFSGWRWF06	RWF	4/9/2014	8-18	X			
RFSGWTP106	TP1	4/2/2014	7-17	X			X
RFSGWTP206	TP2	4/2/2014	6-16	X			
RFSGWWTA06	WTA	4/10/2014	4-14	X	X	X	

Notes:

bgs	Below ground surface	NS	Not sampled
EPA	U.S. Environmental Protection Agency	PAH	Polycyclic aromatic hydrocarbons
HCl	Hydrochloric acid	SVOC	Semivolatile organic compounds
HNO3	Nitric Acid	VOA	Volatile organic analysis
ID	Identification	VOC	Volatile organic compounds
ml	Milliliters		

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
B120	11/1/10	11.72	6.75	4.97
B120	2/10/11	11.72	4.96	6.76
B120	4/11/11	11.72	3.60	8.12
B120	10/3/11	11.72	6.51	5.21
B120	4/2/12	11.72	2.78	8.94
B120	10/1/12	11.72	6.71	5.01
B120	4/1/13	11.72	5.45	6.27
B120	10/7/13	11.72	7.10	4.62
B120	3/28/14	11.72	5.54	6.18
B121	11/1/10	14.77	10.21	4.56
B121	2/10/11	14.77	8.83	5.94
B121	4/11/11	14.77	7.34	7.43
B121	10/3/11	14.77	10.05	4.72
B121	4/2/12	14.77	6.95	7.82
B121	10/1/12	14.77	10.25	4.52
B121	4/1/13	14.77	9.24	5.53
B121	10/7/13	14.77	10.51	4.26
B121	3/28/14	14.77	9.22	5.55
B128	11/1/10	11.62	7.86	3.76
B128	2/10/11	11.62	6.95	4.67
B128	4/11/11	11.62	6.82	4.80
B128	10/3/11	11.62	7.76	3.86
B128	4/2/12	11.62	4.33	7.29
B128	10/1/12	11.62	7.91	3.71
B128	4/2/13	11.62	7.20	4.42
B128	10/7/13	11.62	8.09	3.53
B128	3/28/14	11.62	7.15	4.47
B128deep	11/1/10	12.15	8.82	3.33
B128deep	2/10/11	12.15	7.33	4.82
B128deep	4/11/11	12.15	6.71	5.44
B128deep	10/3/11	12.15	8.56	3.59
B128deep	4/2/12	12.15	6.12	6.03
B128deep	10/1/12	12.15	8.35	3.80
B128deep	4/2/13	12.15	6.68	5.47
B128deep	10/7/13	12.15	7.47	4.68
B128deep	3/28/14	12.15	7.61	4.54

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
B150	11/1/10	17.24	6.22	11.02
B150	2/10/11	17.24	6.04	11.20
B150	4/11/11	17.24	3.46	13.78
B150	10/3/11	17.24	8.52	8.72
B150	4/2/12	17.24	1.74	15.50
B150	10/1/12	17.24	9.81	7.43
B150	4/1/13	17.24	6.25	10.99
B150	10/7/13	17.24	8.21	9.03
B150	3/28/14	17.24	5.71	11.53
B158	11/1/10	15.88	11.08	4.80
B158	2/10/11	15.88	9.81	6.07
B158	4/11/11	15.88	8.45	7.43
B158	10/3/11	15.88	10.92	4.96
B158	4/2/12	15.88	8.20	7.68
B158	10/1/12	15.88	11.10	4.78
B158	4/1/13	15.88	10.26	5.62
B158	10/7/13	15.88	11.32	4.56
B158	3/28/14	15.88	10.14	5.74
B163	11/1/10	10.37	6.30	4.07
B163	2/10/11	10.37	5.07	5.30
B163	4/11/11	10.37	3.97	6.40
B163	10/3/11	10.37	6.04	4.33
B163	4/2/12	10.37	3.27	7.10
B163	10/1/12	10.37	6.31	4.06
B163	4/1/13	10.37	5.35	5.02
B163	10/7/13	10.37	6.57	3.80
B163	3/28/14	10.37	5.24	5.13
B175S	11/1/10	15.16	10.31	4.85
B175S	2/10/11	15.16	8.71	6.45
B175S	4/11/11	15.16	7.03	8.13
B175S	10/3/11	15.16	10.11	5.05
B175S	4/2/12	15.16	6.62	8.54
B175S	10/1/12	15.16	10.34	4.82
B175S	4/1/13	15.16	9.09	6.07
B175S	10/7/13	15.16	10.61	4.55
B175S	3/28/14	15.16	9.16	6.00

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
B175W	11/1/10	16.57	9.96	6.61
B175W	2/10/11	16.57	8.20	8.37
B175W	4/11/11	16.57	5.10	11.47
B175W	10/3/11	16.57	10.24	6.33
B175W	4/2/12	16.57	3.62	12.95
B175W	10/1/12	16.57	10.47	6.10
B175W	4/1/13	16.57	9.29	7.28
B175W	10/7/13	16.57	10.72	5.85
B175W	3/28/14	16.57	8.94	7.63
B177	11/1/10	17.57	11.66	5.91
B177	2/10/11	17.57	9.69	7.88
B177	4/11/11	17.57	7.49	10.08
B177	10/3/11	17.57	11.43	6.14
B177	4/2/12	17.57	7.41	10.16
B177	10/1/12	17.57	11.71	5.86
B177	4/1/13	17.57	10.31	7.26
B177	10/7/13	17.57	11.98	5.59
B177	3/28/14	17.57	10.34	7.23
B178	11/1/10	10.67	5.61	5.06
B178	2/10/11	10.67	3.94	6.73
B178	4/11/11	10.67	2.22	8.45
B178	10/3/11	10.67	5.38	5.29
B178	4/2/12	10.67	1.60	9.07
B178	10/1/12	10.67	5.61	5.06
B178	4/1/13	10.67	4.28	6.39
B178	10/7/13	10.67	NA	NA
B178	3/28/14	10.67	4.36	6.31
B180	11/1/10	15.02	9.11	5.91
B180	2/10/11	15.02	7.03	7.99
B180	4/11/11	15.02	4.93	10.09
B180	10/3/11	15.02	8.82	6.20
B180	4/2/12	15.02	4.99	10.03
B180	10/1/12	15.02	9.11	5.91
B180	4/1/13	15.02	7.59	7.43
B180	10/7/13	15.02	9.38	5.64
B180	3/28/14	15.02	7.76	7.26

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
B185	11/1/10	10.01	5.38	4.63
B185	2/10/11	10.01	3.90	6.11
B185	4/11/11	10.01	2.53	7.48
B185	10/3/11	10.01	5.18	4.83
B185	4/2/12	10.01	1.72	8.29
B185	10/1/12	10.01	5.37	4.64
B185	4/1/13	10.01	4.08	5.93
B185	10/7/13	10.01	5.69	4.32
B185	3/28/14	10.01	4.14	5.87
B194	11/1/10	18.30	11.75	6.55
B194	2/10/11	18.30	9.19	9.11
B194	4/11/11	18.30	7.28	11.02
B194	10/3/11	18.30	11.32	6.98
B194	4/2/12	18.30	6.75	11.55
B194	10/1/12	18.30	11.56	6.74
B194	4/1/13	18.30	6.48	11.82
B194	10/7/13	18.30	12.07	6.23
B194	3/28/14	18.30	10.24	8.06
B195	11/1/10	14.28	8.66	5.62
B195	2/10/11	14.28	6.50	7.78
B195	4/11/11	14.28	6.57	7.71
B195	10/3/11	14.28	8.37	5.91
B195	4/2/12	14.28	4.23	10.05
B195	10/1/12	14.28	8.65	5.63
B195	4/1/13	14.28	7.07	7.21
B195	10/7/13	14.28	9.00	5.28
B195	3/28/14	14.28	7.30	6.98
B197	11/1/10	13.01	7.94	5.07
B197	2/10/11	13.01	6.16	6.85
B197	4/11/11	13.01	4.25	8.76
B197	10/3/11	13.01	7.70	5.31
B197	4/2/12	13.01	3.83	9.18
B197	10/1/12	13.01	NA	NA
B197	10/7/13	13.01	9.47	NA
B197R	4/1/13	13.19	6.85	6.34
B197R	3/28/14	13.19	6.84	6.35

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
B277	11/1/10	14.82	10.46	4.36
B277	2/10/11	14.82	10.10	4.72
B277	4/11/11	14.82	9.77	5.05
B277	10/3/11	14.82	10.41	4.41
B277	4/2/12	14.82	9.70	5.12
B277	10/1/12	14.82	10.49	4.33
B277	4/1/13	14.82	10.14	4.68
B277	10/7/13	14.82	10.68	4.14
B277	3/28/14	14.82	10.13	4.69
B278	11/1/10	12.75	9.14	3.61
B278	2/10/11	12.75	8.90	3.85
B278	4/11/11	12.75	8.44	4.31
B278	10/3/11	12.75	9.13	3.62
B278	4/2/12	12.75	8.19	4.56
B278	10/1/12	12.75	9.35	3.40
B278	4/1/13	12.75	8.90	3.85
B278	10/7/13	12.75	9.38	3.37
B278	3/28/14	12.75	8.84	3.91
B280A	11/1/10	14.04	10.99	3.05
B280A	2/10/11	14.04	10.84	3.20
B280A	4/11/11	14.04	10.40	3.64
B280A	10/3/11	14.04	11.07	2.97
B280A	4/2/12	14.04	10.04	4.00
B280A	10/1/12	14.04	11.15	2.89
B280A	4/1/13	14.04	10.69	3.35
B280A	10/7/13	14.04	11.20	2.84
B280A	3/28/14	14.04	10.63	3.41
B280B	11/1/10	19.59	12.98	6.61
B280B	2/10/11	19.59	12.66	6.93
B280B	4/11/11	19.59	9.98	9.61
B280B	10/3/11	19.59	13.00	6.59
B280B	4/2/12	19.59	9.55	10.04
B280B	10/1/12	19.59	13.21	6.38
B280B	4/1/13	19.59	12.80	6.79
B280B	10/7/13	19.59	13.16	6.43
B280B	3/28/14	19.59	12.64	6.95

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
B300	11/1/10	18.16	12.95	5.21
B300	2/10/11	18.16	11.50	6.66
B300	4/11/11	18.16	9.97	8.19
B300	10/3/11	18.16	12.40	5.76
B300	4/2/12	18.16	10.73	7.43
B300	10/1/12	18.16	12.94	5.22
B300	4/1/13	18.16	11.87	6.29
B300	10/7/13	18.16	13.10	5.06
B300	3/28/14	18.16	9.25	8.91
B38	11/1/10	15.78	9.95	5.83
B38	2/10/11	15.78	7.93	7.85
B38	4/11/11	15.78	5.85	9.93
B38	10/3/11	15.78	9.80	5.98
B38	4/2/12	15.78	5.93	9.85
B38	10/1/12	15.78	9.93	5.85
B38	4/1/13	15.78	8.51	7.27
B38	10/7/13	15.78	10.19	5.59
B38	3/28/14	15.78	8.60	7.18
B38deep	11/1/10	15.84	9.81	6.03
B38deep	2/10/11	15.84	8.10	7.74
B38deep	4/11/11	15.84	6.50	9.34
B38deep	10/3/11	15.84	9.66	6.18
B38deep	4/2/12	15.84	6.78	9.06
B38deep	10/1/12	15.84	9.71	6.13
B38deep	4/1/13	15.84	8.57	7.27
B38deep	10/7/13	15.84	10.09	5.75
B38deep	3/28/14	15.84	8.67	7.17
B450	11/1/10	21.34	14.50	6.84
B450	2/10/11	21.34	12.36	8.98
B450	4/11/11	21.34	10.20	11.14
B450	10/3/11	21.34	14.05	7.29
B450	4/2/12	21.34	11.51	9.83
B450	10/1/12	21.34	14.35	6.99
B450	4/1/13	21.34	12.94	8.40
B450	10/7/13	21.34	14.57	6.77
B450	3/28/14	21.34	13.17	8.17

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
B460	11/1/10	21.42	15.45	5.97
B460	2/10/11	21.42	12.58	8.84
B460	4/11/11	21.42	9.87	11.55
B460	10/3/11	21.42	14.82	6.60
B460	4/2/12	21.42	11.44	9.98
B460	10/1/12	21.42	15.49	5.93
B460	4/1/13	21.42	13.10	8.32
B460	10/7/13	21.42	15.76	5.66
B460	3/28/14	21.42	13.64	7.78
B473	11/1/10	22.29	13.78	8.51
B473	2/10/11	22.29	11.65	10.64
B473	4/11/11	22.29	9.21	13.08
B473	10/3/11	22.29	13.23	9.06
B473	4/2/12	22.29	9.75	12.54
B473	10/1/12	22.29	13.40	8.89
B473	4/1/13	22.29	12.39	9.90
B473	10/7/13	22.29	14.71	7.58
B473	3/28/14	22.29	12.33	9.96
B474	11/1/10	23.67	15.52	8.15
B474	2/10/11	23.67	13.70	9.97
B474	4/11/11	23.67	11.55	12.12
B474	10/3/11	23.67	13.00	10.67
B474	4/2/12	23.67	11.88	11.79
B474	10/1/12	23.67	15.65	8.02
B474	4/1/13	23.67	11.94	11.73
B474	10/7/13	23.67	16.09	7.58
B474	3/28/14	23.67	11.95	11.72
B480	11/1/10	20.84	14.01	6.83
B480	2/10/11	20.84	11.78	9.06
B480	4/11/11	20.84	9.45	11.39
B480	10/3/11	20.84	13.56	7.28
B480	4/2/12	20.84	10.81	10.03
B480	10/1/12	20.84	13.98	6.86
B480	4/1/13	20.84	12.42	8.42
B480	10/7/13	20.84	14.20	6.64
B480	3/28/14	20.84	12.64	8.20

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
B480deep	11/1/10	21.07	9.55	11.52
B480deep	2/10/11	21.07	8.60	12.47
B480deep	4/11/11	21.07	7.16	13.91
B480deep	10/3/11	21.07	9.54	11.53
B480deep	4/2/12	21.07	7.44	13.63
B480deep	10/1/12	21.07	10.04	11.03
B480deep	4/1/13	21.07	9.06	12.01
B480deep	10/7/13	21.07	10.29	10.78
B480deep	3/28/14	21.07	9.02	12.05
B490	11/1/10	24.41	15.20	9.21
B490	2/10/11	24.41	14.08	10.33
B490	4/11/11	24.41	13.11	11.30
B490	10/3/11	24.41	15.24	9.17
B490	4/2/12	24.41	13.34	11.07
B490	10/1/12	24.41	15.34	9.07
B490	4/1/13	24.41	14.53	9.88
B490	10/7/13	24.41	16.60	7.81
B490	3/28/14	24.41	13.44	10.97
Bulb1	11/1/10	7.19	4.76	2.43
Bulb1	2/10/11	7.19	4.12	3.07
Bulb1	4/11/11	7.19	4.11	3.08
Bulb1	10/3/11	7.19	5.09	2.10
Bulb1	4/2/12	7.19	3.94	3.25
Bulb1	10/1/12	7.19	5.13	2.06
Bulb1	4/2/13	7.19	4.27	2.92
Bulb1	10/7/13	7.19	4.78	2.41
Bulb1	3/28/14	7.19	4.19	3.00
Bulb2	11/1/10	7.46	4.60	2.86
Bulb2	2/10/11	7.46	3.94	3.52
Bulb2	4/11/11	7.46	3.61	3.85
Bulb2	10/3/11	7.46	3.74	3.72
Bulb2	4/2/12	7.46	3.08	4.38
Bulb2	10/1/12	7.46	4.57	2.89
Bulb2	4/2/13	7.46	4.15	3.31
Bulb2	10/7/13	7.46	4.73	2.73
Bulb2	3/28/14	7.46	4.03	3.43

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
CCC1	11/1/10	15.38	10.89	4.49
CCC1	2/10/11	15.38	7.36	8.02
CCC1	4/11/11	15.38	8.65	6.73
CCC1	10/3/11	15.38	10.67	4.71
CCC1	4/2/12	15.38	7.94	7.44
CCC1	10/1/12	15.38	10.86	4.52
CCC1	4/1/13	15.38	10.10	5.28
CCC1	10/7/13	15.38	11.05	4.33
CCC1	3/28/14	15.38	9.81	5.57
CCC2	11/1/10	14.60	10.14	4.46
CCC2	2/10/11	14.60	8.88	5.72
CCC2	4/11/11	14.60	7.31	7.29
CCC2	10/3/11	14.60	9.90	4.70
CCC2	4/2/12	14.60	7.00	7.60
CCC2	10/1/12	14.60	10.11	4.49
CCC2	4/1/13	14.60	9.20	5.40
CCC2	10/7/13	14.60	10.37	4.23
CCC2	3/28/14	14.60	9.15	5.45
CCC3	11/1/10	11.67	7.56	4.11
CCC3	2/10/11	11.67	6.33	5.34
CCC3	4/11/11	11.67	6.21	5.46
CCC3	10/3/11	11.67	7.35	4.32
CCC3	4/2/12	11.67	4.60	7.07
CCC3	10/1/12	11.67	7.54	4.13
CCC3	4/1/13	11.67	6.64	5.03
CCC3	10/7/13	11.67	7.81	3.86
CCC3	3/28/14	11.67	6.57	5.10
CCCT	11/1/10	12.13	8.42	3.71
CCCT	2/10/11	12.13	5.86	6.27
CCCT	4/11/11	12.13	4.25	7.88
CCCT	10/3/11	12.13	7.23	4.90
CCCT	4/2/12	12.13	3.78	8.35
CCCT	10/1/12	12.13	7.42	4.71
CCCT	4/1/13	12.13	6.27	5.86
CCCT	10/7/13	12.13	NA	NA
CCCT	3/28/14	12.13	6.28	5.85

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
CTP	11/1/10	17.27	11.77	5.50
CTP	2/10/11	17.27	11.22	6.05
CTP	4/11/11	17.27	10.40	6.87
CTP	10/3/11	17.27	11.72	5.55
CTP	4/2/12	17.27	10.17	7.10
CTP	10/1/12	17.27	11.99	5.28
CTP	4/1/13	17.27	11.40	5.87
CTP	10/7/13	17.27	12.99	4.28
CTP	3/28/14	17.27	11.32	5.95
CTPdeep	11/1/10	17.67	12.67	5.00
CTPdeep	2/10/11	17.67	11.46	6.21
CTPdeep	4/11/11	17.67	11.68	5.99
CTPdeep	10/3/11	17.67	12.20	5.47
CTPdeep	4/2/12	17.67	10.45	7.22
CTPdeep	10/1/12	17.67	12.33	5.34
CTPdeep	4/1/13	17.67	11.66	6.01
CTPdeep	10/7/13	17.67	12.34	5.33
CTPdeep	3/28/14	17.67	11.59	6.08
CTPS	11/1/10	15.25	11.95	3.30
CTPS	2/10/11	15.25	9.61	5.64
CTPS	4/11/11	15.25	7.64	7.61
CTPS	10/3/11	15.25	12.05	3.20
CTPS	4/2/12	15.25	7.24	8.01
CTPS	10/1/12	15.25	12.17	3.08
CTPS	4/1/13	15.25	9.11	6.14
CTPS	10/7/13	15.25	12.21	3.04
CTPS	3/28/14	15.25	8.61	6.64
DH	11/1/10	13.25	10.12	3.13
DH	2/10/11	13.25	8.88	4.37
DH	4/11/11	13.25	7.59	5.66
DH	10/3/11	13.25	9.90	3.35
DH	4/2/12	13.25	7.84	5.41
DH	10/1/12	13.25	10.07	3.18
DH	10/7/13	13.25	9.25	4.00
DHR	4/1/13	13.54	9.41	4.13
DHR	3/28/14	13.54	8.88	4.66

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
EERC	11/1/10	21.84	14.99	6.85
EERC	2/10/11	21.84	12.64	9.20
EERC	4/11/11	21.84	9.84	12.00
EERC	10/3/11	21.84	14.26	7.58
EERC	4/2/12	21.84	11.07	10.77
EERC	10/1/12	21.84	14.81	7.03
EERC	4/1/13	21.84	13.35	8.49
EERC	10/7/13	21.84	15.11	6.73
EERC	3/28/14	21.84	13.51	8.33
EPA	11/1/10	10.59	8.65	1.94
EPA	2/10/11	10.59	8.56	2.03
EPA	4/11/11	10.59	7.92	2.67
EPA	10/3/11	10.59	8.61	1.98
EPA	4/2/12	10.59	7.94	2.65
EPA	10/1/12	10.59	8.71	1.88
EPA	4/1/13	10.59	8.64	1.95
EPA	10/7/13	10.59	9.79	0.80
EPA	3/28/14	10.59	8.43	2.16
ETA	11/1/10	7.54	4.12	3.42
ETA	2/10/11	7.54	3.10	4.44
ETA	4/11/11	7.54	2.49	5.05
ETA	10/3/11	7.54	4.62	2.92
ETA	4/2/12	7.54	1.90	5.64
ETA	10/1/12	7.54	4.10	3.44
ETA	4/2/13	7.54	3.61	3.93
ETA	10/7/13	7.54	4.32	3.22
ETA	3/28/14	7.54	3.28	4.26
FG	11/1/10	25.31	13.92	11.39
FG	2/10/11	25.31	13.48	11.83
FG	4/11/11	25.31	12.75	12.56
FG	10/3/11	25.31	13.85	11.46
FG	4/2/12	25.31	11.77	13.54
FG	10/1/12	25.31	14.10	11.21
FG	4/1/13	25.31	13.77	11.54
FG	10/7/13	25.31	14.32	10.99
FG	3/28/14	25.31	13.48	11.83

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
GEO	11/1/10	16.37	10.79	5.58
GEO	2/10/11	16.37	9.04	7.33
GEO	4/2/11	16.37	8.35	8.02
GEO	4/11/11	16.37	9.74	6.63
GEO	10/3/11	16.37	10.42	5.95
GEO	10/1/12	16.37	10.71	5.66
GEO	4/1/13	16.37	9.76	6.61
GEO	10/7/13	16.37	11.92	4.45
GEO	3/28/14	16.37	9.84	6.53
MFA	11/1/10	8.23	4.55	3.68
MFA	2/10/11	8.23	3.59	4.64
MFA	4/11/11	8.23	2.67	5.56
MFA	10/3/11	8.23	4.41	3.82
MFA	4/2/12	8.23	1.98	6.25
MFA	10/1/12	8.23	4.57	3.66
MFA	4/2/13	8.23	3.70	4.53
MFA	10/7/13	8.23	4.85	3.38
MFA	3/28/14	8.23	3.68	4.55
NRLF	11/1/10	22.62	16.11	6.51
NRLF	2/10/11	22.62	13.45	9.17
NRLF	4/11/11	22.62	11.99	10.63
NRLF	10/3/11	22.62	15.83	6.79
NRLF	4/2/12	22.62	12.96	9.66
NRLF	10/1/12	22.62	16.30	6.32
NRLF	4/1/13	22.62	13.70	8.92
NRLF	10/7/13	22.62	NA	NA
NRLF	3/28/14	22.62	14.16	8.46
PZ11	11/1/10	21.48	12.41	9.07
PZ11	2/10/11	21.48	NA	NA
PZ11	4/11/11	21.48	8.08	13.40
PZ11	10/3/11	21.48	12.10	9.38
PZ11	4/2/12	21.48	7.74	13.74
PZ11	10/1/12	21.48	11.81	9.67
PZ11	10/7/13	21.48	12.55	8.93
PZ11	3/28/14	21.48	10.80	10.68

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
PZ8	11/1/10	14.12	8.45	5.67
PZ8	2/10/11	14.12	NA	NA
PZ8	4/11/11	14.12	4.56	9.56
PZ8	10/3/11	14.12	8.21	5.91
PZ8	4/2/12	14.12	4.20	9.92
PZ8	10/1/12	14.12	8.44	5.68
PZ8	4/1/13	14.12	6.74	7.38
PZ8	10/7/13	14.12	8.78	5.34
PZ8	3/28/14	14.12	7.12	7.00
PZ9	11/1/10	23.29	13.75	9.54
PZ9	2/10/11	23.29	NA	NA
PZ9	4/11/11	23.29	11.21	12.08
PZ9	10/3/11	23.29	13.52	9.77
PZ9	4/2/12	23.29	11.20	12.09
PZ9	10/1/12	23.29	13.42	9.87
PZ9	4/1/13	23.29	12.87	10.42
PZ9	10/7/13	23.29	14.25	9.04
PZ9	3/28/14	23.29	12.67	10.62
RWF	11/1/10	16.46	10.53	5.93
RWF	2/10/11	16.46	8.42	8.04
RWF	4/11/11	16.46	6.26	10.20
RWF	10/3/11	16.46	10.21	6.25
RWF	4/2/12	16.46	6.70	9.76
RWF	10/1/12	16.46	10.52	5.94
RWF	4/1/13	16.46	9.09	7.37
RWF	10/7/13	16.46	10.81	5.65
RWF	3/28/14	16.46	12.01	4.45
TP1	11/1/10	19.33	13.11	6.22
TP1	2/10/11	19.33	10.90	8.43
TP1	4/11/11	19.33	8.59	10.74
TP1	10/3/11	19.33	12.61	6.72
TP1	4/2/12	19.33	9.72	9.61
TP1	10/1/12	19.33	13.00	6.33
TP1	4/1/13	19.33	11.48	7.85
TP1	10/7/13	19.33	13.25	6.08
TP1	3/28/14	19.33	11.66	7.67

Table 2: Groundwater Elevation Data

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Sample Date	TOC Elevation (feet NGVD)	Depth to Water (feet below TOC)	Groundwater Elevation (feet NGVD)
TP2	11/1/10	18.91	12.77	6.14
TP2	2/10/11	18.91	10.57	8.34
TP2	4/11/11	18.91	8.15	10.76
TP2	10/3/11	18.91	12.28	6.63
TP2	4/2/12	18.91	9.28	9.63
TP2	10/1/12	18.91	12.67	6.24
TP2	4/1/13	18.91	11.16	7.75
TP2	10/7/13	18.91	12.87	6.04
TP2	3/28/14	18.91	11.31	7.60
WTA	11/1/10	8.61	6.01	2.60
WTA	2/10/11	8.61	5.84	2.77
WTA	4/11/11	8.61	5.73	2.88
WTA	10/3/11	8.61	6.01	2.60
WTA	4/2/12	8.61	5.22	3.39
WTA	10/1/12	8.61	6.18	2.43
WTA	4/2/13	8.61	5.97	2.64
WTA	10/7/13	8.61	6.27	2.34
WTA	3/28/14	8.61	5.69	2.92

Notes:

NA	Not available
NGVD	National Geodetic Vertical Datum of 1929
TOC	Top of casing

Table 3: Groundwater Sampling Parameters Summary
2014 Groundwater Sampling Results, Technical Memorandum
University of California, Berkeley, Richmond Field Station Site, Richmond, California

Point Location ID	Date	pH	Temperature (C)	Specific Conductance (µmhos/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
B120	4/1/2014	6.63	15.96	2.88	10.7	0.0	113
B128	4/10/2014	6.02	17.03	0.0762	0.0	1.07	164
B150	4/1/2014	6.49	15.15	0.34	13.4	4.76	145
B158	4/2/2014	6.21	16.17	0.303	310	1.84	136
B163	4/1/2014	5.62	17.20	3.55	3.1	0.0	187
B175S	4/1/2014	6.46	16.08	1.18	4.3	0.58	153
B175W	4/1/2014	6.27	16.99	0.433	1.5	1.53	150
B178	4/8/2014	6.53	17.42	3.26	5.4	0.0	-108
B180	4/8/2014	6.76	16.51	0.623	1.3	3.41	44
B185	4/8/2014	6.43	16.15	2.43	13.5	0.0	18
B195	4/2/2014	6.58	15.33	1.65	30.0	0.86	174
B197R	4/8/2014	6.61	18.68	3.58	2.0	0.0	-115
B277	4/2/2014	7.07	16.33	0.757	28.6	0.30	83
B278	4/9/2014	6.60	16.26	3.37	0.0	0.0	45
B280A	4/9/2014	6.62	17.38	0.892	0.0	0.06	101
B450	4/3/2014	6.26	17.81	1.33	0.3	3.13	148
B473	4/3/2014	6.53	16.76	0.574	13.5	3.49	128
B474	4/3/2014	6.71	15.59	0.342	29.0	0.0	62
B480	4/3/2014	6.50	17.48	0.896	6.0	2.12	43
BULB1	4/10/2014	7.75	15.74	33.9	0.0	0.0	-185
BULB2	4/10/2014	6.71	15.41	1.77	0.0	0.0	-46
CCC2	4/2/2014	6.61	16.08	1.19	2.1	0.23	136
CCC3	4/2/2014	6.73	15.95	10.7	34.3	0.00	34
CCCT	4/8/2014	6.61	15.45	2.63	30.7	0.0	-94
CTP	4/3/2014	6.79	16.32	0.989	17.3	2.20	70
DHR	4/10/2014	6.23	15.75	11.6	0.0	0.0	17
EERC	4/3/2014	6.46	16.00	5.79	0.7	0.41	-14
EPA	4/10/2014	6.96	16.13	1.55	0.0	0.0	-39
ETA	4/8/2014	6.53	17.26	2.29	180	0.0	-54
FG	4/9/2014	6.11	17.78	0.599	18.1	2.80	150

Table 3: Groundwater Sampling Parameters Summary
2014 Groundwater Sampling Results, Technical Memorandum
University of California, Berkeley, Richmond Field Station Site, Richmond, California

Point Location ID	Date	pH	Temperature (C)	Specific Conductance (µmhos/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
GEO	4/9/2014	6.88	15.76	1.03	0.0	1.17	81
MFA	4/8/2014	6.73	17.64	1.27	9.2	0	45
NRLF	4/9/2014	6.10	16.56	0.716	0.0	1.47	-10
PZ8	4/8/2014	6.50	17.28	0.957	6.6	0.0	41
PZ9	4/9/2014	6.25	17.42	0.924	0.0	0.0	38
PZ11	4/9/2014	6.18	16.03	4.85	0.0	0.0	2
RWF	4/9/2014	6.44	16.68	1.29	0.0	0.01	1.28
TP1	4/2/2014	6.46	17.90	252	4.5	0.0	-68
TP2	4/2/2014	6.48	17.62	1.28	12.5	0.0	86
WTA	4/10/2014	6.72	15.53	0.583	12.0	0.0	30

Notes:

--	Not sampled
µmhos/cm	Micromhms per centimeter
C	Celsius
DO	Dissolved Oxygen
ID	Identification
mg/L	Milligrams per liter
mV	Millivolts
NTU	Nephelometric Turbidity Units
ORP	Oxidation reduction potential

Table 4: Piezometer Completion Summary
2014 Groundwater Sampling Results, Technical Memorandum
University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Well Installation Date	Total Depth (ft bgs)	Casing Diameter (inches)	Screen Interval (ft bgs)	Development Date	Development Gallons Purged	Round 1 Sampling Date	Round 2 Sampling Date	Round 3 Sampling Date	Round 4 Sampling Date	Round 5 Sampling Date	Round 6 Sampling Date	TOC (a)	Approximate Ground Surface Elevation (a)
B120	8/2/10	14	2.0 PVC	4-14	8/19/10	26	9/9/10	4/15/11	10/4/11	4/3/2012	4/2/2013	4/1/2014	11.72	12.12
B121	8/3/10	18	2.0 PVC	8-18	8/16/10	53	9/8/10	4/13/11	10/4/11	4/4/2012	NS	NS	14.77	15.55
B128	8/12/10	16	2.0 PVC	6-16	8/31/10	33	9/23/10	4/18/11	10/4/11	4/2/2012	4/5/2013	4/10/2014	11.62	12.21
B128deep	8/12/10	40	2.0 PVC	30-40	9/1/10	65	10/15/10	--	--	NS	NS	NS	12.15	12.26
B150	8/3/10	15.5	2.0 PVC	5.5-15.5	8/17/10	28	9/8/10	4/13/11	10/5/11	4/4/2012	4/2/2013	4/1/2014	17.24	17.51
B158	8/11/10	15	2.0 PVC	5-15	8/18/10	19	9/8/10	4/15/11	10/5/11	4/6/2012	4/8/2013	4/2/2014	15.88	16.33
B163	7/26/10	17.5	2.0 PVC	7-17	8/16/10	53	9/2/10	4/12/11	10/3/11	4/2/2012	4/3/2013	4/1/2014	10.37	10.60
B175S	8/3/10	15	2.0 PVC	5-15	8/17/10	22	9/3/10	4/13/11	10/4/11	4/4/2012	4/2/2013	4/1/2014	15.16	15.45
B175W	8/3/10	15	2.0 PVC	5-15	8/17/10	32	9/8/10	4/13/11	10/4/11	4/4/2012	4/2/2013	4/1/2014	16.57	17.21
B177	8/11/10	19	2.0 PVC	9-19	8/31/10	32	9/23/10	4/18/11	10/5/11	4/4/2012	NS	NS	17.57	17.81
B178	8/2/10	14.5	2.0 PVC	4.5-14.5	8/19/10	32	9/2/10	4/15/11	10/4/11	4/3/2012	4/2/2013	4/8/2014	10.67	11.33
B180	8/11/10	16	2.0 PVC	6-16	8/24/10	24	9/15/10	4/13/11	10/6/11	4/4/2012	4/8/2013	4/8/2014	15.02	15.30
B185	8/2/10	14	2.0 PVC	4-14	8/20/10	31	9/2/10	4/15/11	10/3/11	4/2/2012	4/2/2013	4/8/2014	10.01	10.08
B194	7/30/10	17	2.0 PVC	7-17	8/23/10	34	9/9/10	4/13/11	10/4/11	4/4/2012	NS	NS	18.30	18.84
B195	7/30/10	16	2.0 PVC	6-16	8/20/10	29	9/9/10	4/13/11	10/4/11	4/3/2012	4/2/2013	4/2/2014	14.28	14.91
B197	7/30/10	14	2.0 PVC	4-14	8/19/10	25	9/9/10	4/13/11	10/4/11	4/3/2012	--	--	13.01	13.37
B197R	3/26/13	14	2.0 PVC	3-13	4/1/13	65	--	--	--	--	4/8/2013	4/8/2014	13.19	13.49
B277	7/29/10	17.5	2.0 PVC	7-17	8/19/10	25	9/15/10	4/18/11	10/5/11	4/3/2012	4/4/2013	4/2/2014	14.82	15.69
B278	7/29/10	16.5	2.0 PVC	6-16	8/18/10	26	9/16/10	4/19/11	10/5/11	4/5/2012	4/4/2013	4/9/2014	12.75	13.17
B280A	7/29/10	14.5	2.0 PVC	4-14	8/19/10	13	9/16/10	4/14/11	10/6/11	4/3/2012	4/4/2013	4/9/2014	14.04	14.21
B280B	8/6/10	16	2.0 PVC	6-16	8/26/10	6	10/1/10	4/14/11	10/6/11	4/3/2012	NS	NS	19.59	19.89
B300	7/29/10	17	2.0 PVC	7-17	8/24/10	21	9/9/10	4/15/11	10/6/11	4/9/2012	NS	NS	18.16	18.72
B38	8/10/10	17	2.0 PVC	7-17	8/24/10	24	9/15/10	4/19/11	10/6/11	4/4/2012	NS	NS	15.78	16.08
B38deep	8/10/10	41	2.0 PVC	31-41	8/24/10	47	10/18/10	--	--	NS	NS	NS	15.84	16.09
B450	8/5/10	16	2.0 PVC	6-16	8/25/10	10	NS	4/19/11	10/10/11	4/6/2012	4/3/2013	4/3/2014	21.34	21.76
B460	8/5/10	18	2.0 PVC	8-18	8/25/10	12	9/15/10	4/20/11	10/7/11	4/6/2012	NS	NS	21.42	21.96
B473	8/9/10	17	2.0 PVC	7-17	8/31/10	12.5	9/24/10	4/20/11	10/7/11	4/6/2012	4/3/2013	4/3/2014	22.29	22.50
B474	8/9/10	16	2.0 PVC	6-16	8/27/10	17.5	9/23/10	4/20/11	10/7/11	4/9/2012	4/3/2013	4/3/2014	23.67	21.85
B480	8/5/10	16	2.0 PVC	6-16	8/27/10	10	9/24/10	4/19/11	10/7/11	4/9/2012	4/3/2013	4/3/2014	20.84	21.04
B480deep	8/12/10	40	2.0 PVC	35-40	8/27/10	52	10/15/10	--	--	NS	NS	NS	21.07	21.19
B490	8/6/10	18	2.0 PVC	8-18	8/30/10	27	9/16/10	4/20/11	10/10/11	4/9/2012	NS	NS	24.41	24.95
Bulb1	9/29/10	18	2.0 PVC	8-18	10/19/10	30	10/19/10	4/12/11	9/30/11	4/5/2012	4/5/2013	4/10/2014	7.19	7.83
Bulb2	9/29/10	19	2.0 PVC	9-19	10/19/10	35	10/19/10	4/12/11	9/30/11	4/5/2012	4/5/2013	4/10/2014	7.46	7.91
CCC1	7/27/10	14	2.0 PVC	3.5-13.5	8/18/10	11.5	9/8/10	4/14/11	10/5/11	4/10/2012	NS	NS	15.38	15.67
CCC2	7/27/10	14	2.0 PVC	4-14	8/16/10	19	9/8/10	4/14/11	10/4/11	4/10/2012	4/2/2013	4/2/2014	14.60	14.75
CCC3	7/27/10	15	2.0 PVC	4-14	8/16/10	27	9/3/10	9/3/10	10/4/11	4/10/2012	4/2/2013	4/2/2014	11.67	12.13
CCCT	8/2/10	15.5	2.0 PVC	5.5-15.5	8/20/10	31	9/3/10	4/18/11	10/3/11	4/4/2012	4/2/2013	4/8/2014	12.13	13.19

Table 4: Piezometer Completion Summary
2014 Groundwater Sampling Results, Technical Memorandum
University of California, Berkeley, Richmond Field Station Site, Richmond, California

Piezometer Name	Well Installation Date	Total Depth (ft bgs)	Casing Diameter (inches)	Screen Interval (ft bgs)	Development Date	Development Gallons Purged	Round 1 Sampling Date	Round 2 Sampling Date	Round 3 Sampling Date	Round 4 Sampling Date	Round 5 Sampling Date	Round 6 Sampling Date	TOC (a)	Approximate Ground Surface Elevation (a)
CTP	7/30/10	17	2.0 PVC	7-17	8/26/10	20	9/30/10	4/14/11	10/6/11	4/3/2012	4/4/2013	4/3/2014	17.27	18.26
CTPdeep	8/12/10	40	2.0 PVC	30-40	8/26/10	47	10/15/10	--	--	NS	NS	NS	17.67	18.16
CTPS	7/28/10	14	2.0 PVC	4-14	8/19/10	7	9/30/2010, 10/1/10 and 10/18/10	4/19/11	10/10/11	4/5/2012	NS	NS	15.25	15.43
DH	7/27/10	13.5	2.0 PVC	3.5-13.5	8/18/10	13	9/30/10	4/14/11	10/5/11	4/6/2012	--	--	13.25	13.55
DHR	3/26/13	14	2.0 PVC	3.5-13.5	4/1/13	12	--	--	--	--	4/4/2013	4/10/2014	13.54	13.80
EERC	8/9/10	17	2.0 PVC	7-17	8/31/10	7.5	10/1/2010 and 10/15/10	4/20/11	10/7/11	4/6/2012	4/8/2013	4/3/2014	21.84	22.01
EPA	7/28/10	14	2.0 PVC	4-14	8/19/10	13.5	9/16/10	4/19/11	10/6/11	4/6/2012	4/4/2013	4/10/2014	10.59	11.20
ETA	7/28/10	14	2.0 PVC	3.5-13.5	9/2/10	32	9/24/10	4/12/11	9/30/11	4/10/2012	4/5/2013	4/8/2014	7.54	7.72
FG	8/6/10	16	2.0 PVC	6-16	8/30/10	7	9/23/10	4/19/11	10/10/11	4/9/2012	4/3/2013	4/9/2014	25.31	25.79
GEO	7/26/10	17.5	2.0 PVC	6.5-16.5	9/1/10	20	9/3/10	4/20/11	10/6/11	4/6/2012	4/4/2013	4/9/2014	16.37	16.73
MFA	7/28/10	13.5	2.0 PVC	3.5-13.5	9/2/10	37	9/24/10	4/12/11	10/3/11	4/5/2012	4/5/2013	4/8/2014	8.23	8.51
NRLF	7/26/10	19.5	2.0 PVC	9-19	8/26/10	10	9/16/10	4/20/11	10/6/11	4/9/2012	4/3/2013	4/9/2014	22.62	22.99
PZ11	10/6/09	19	2.0 PVC	9-19	unk	unk	10/15/10	4/20/11	10/10/11	4/5/2012	4/5/2013	4/9/2014	21.48	21.73
PZ8	4/12/07	21	2.0 PVC	8-21	unk	unk	10/1/10	4/18/11	10/4/11	4/3/2012	4/8/2013	4/8/2014	14.12	14.52
PZ9	4/12/07	20	2.0 PVC	9-20	unk	unk	9/24/10	4/20/11	10/7/11	4/6/2012	4/3/2013	4/9/2014	23.29	23.72
RWF	8/4/10	18	2.0 PVC	8-18	8/23/10	30	9/15/10	4/18/11	10/6/11	4/4/2012	4/8/2013	4/9/2014	16.46	16.78
TP1	8/5/10	17	2.0 PVC	7-17	8/23/10	13	9/29/10	4/18/11	10/7/11	4/5/2012	4/4/2013	4/2/2014	19.33	19.91
TP2	8/4/10	16	2.0 PVC	6-16	8/23/10	20	9/29/10	4/18/11	10/7/11	4/9/2012	4/4/2013	4/2/2014	18.91	19.24
WTA	7/27/10	14	2.0 PVC	4-14	8/18/10	28	9/30/10	4/14/11	10/5/11	4/5/2012	4/5/2013	4/10/2014	8.61	8.93

Notes:
Total depth of boring assumed to be bottom of screen unless otherwise specified on boring log or well completion form.
(a) Ground surface elevation and TOC given in feet NGVD29.

-- Piezometer not sampled because piezometer was either abandoned or had not yet been constructed.
ft bgs Feet below ground surface
NGVD National Geodedic Vertical Datum
NS Not Sampled
PVC Polyvinyl chloride
TOC Top of casing
unk Unknown

Table 5: State and Federal Water Quality Criteria in µg/L

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Chemical	Berkeley Global Campus Risk-Based Concentrations (1)		MCL (2)		
	Commercial Workers via Vapor Intrusion to Indoor Air	Construction Workers in a Construction Trench	California	EPA	Secondary
VOCs					
1,1-Dichloroethene	7,860	257	6	7	
1,2-Dichloroethane	360	2,900	0.5	5	
1,2-Dichloropropane	94	5.71	5	5	
2-Butanone (MEK)	762,000	11,700			
Acetone	43,700,000	82,000			
Benzene	610	440	1	5	
Carbon tetrachloride	2.63	2.68	0.5	5	
Chlorobenzene	14,300	69.8		100	
Chloroform	25.5	4.43			
cis-1,2-Dichloroethene	34,000	270,000	6	70	
Dibromomethane					
Naphthalene	93.6	3.42			
Tetrachloroethylene	110	22	5	5	
Toluene	45,100	374	150	1,000	
trans-1,2-Dichloroethene	7,600	77.9	10	100	
Trichloroethylene	270	890	5	5	
Vinyl chloride	3.60	300	0.5	2	
SVOCs					
1-Methylnaphthalene		148			
1,4-Dioxane		14,000			
Acenaphthene		3,640			
Bis(2-ethylhexyl)phthalate		294		6	
Fluoranthene		712			
Naphthalene	93.6	3.42			
Pyrene		594			
Metals					
Aluminum			1,000		200
Antimony			6	6	
Arsenic		66.1	10	10	
Barium			1,000	2,000	
Beryllium			4	4	
Boron					
Cadmium		8960	5	5	
Calcium					
Chromium			50	100	
Cobalt					
Copper		359000	1,300	1,300	1,000
Iron					300
Lead			15	15	
Magnesium					
Manganese					50

Table 5: State and Federal Water Quality Criteria in µg/L

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Chemical	Berkeley Global Campus Risk-Based Concentrations (1)		MCL (2)		
	Commercial Workers via Vapor Intrusion to Indoor Air	Construction Workers in a Construction Trench	California	EPA	Secondary
Mercury			2	2	
Molybdenum					
Nickel			100		
Potassium					
Selenium		44800	50	50	
Silver					100
Sodium					
Thallium			2	2	
Vanadium					
Zinc					5,000

Notes:

(1) Risk-based concentrations are calculated and presented in Appendix C of the Final SCR (Tetra Tech 2013). Commercial vapor intrusion risk-based concentrations for 1,2-dichloroethane, benzene, cis-1,2-dichloroethene, PCE, TCE, and vinyl chloride are SSGs for an on-site commercial/industrial worker, and for an on-site resident, as established by DTSC for the Campus Bay site (Terraphase 2008, 2012).Commercial vapor intrusion RBCs for 1,2-dichloroethane, benzene, cis-1,2-dichloroethene, PCE, TCE, and vinyl chloride are SSGs for an on-site groundskeeper/maintenance worker, as established by DTSC for the Campus Bay site (Terraphase 2008, 2012).

(2) MCLs are based on CDPH (2008) and EPA (2009).

µg/L	Micrograms per liter
CDPH	California Department of Public Health
EPA	U.S. Environmental Protection Agency
MCL	Maximum contaminant level
mg/L	Milligrams per liter
PRG	Preliminary remediation goal
RBC	Risk-based concentrations
RDX	Cyclotrimethylenetrinitramine
RSL	Regional Screening Level
SCR	Site Characterization Report
SVOC	Semivolatile organic compound
SWRCB	State Water Resources Control Board
TPH	Total petroleum hydrocarbons
VOC	Volatile organic compound

References:

CDPH. 2008. "Maximum Contaminant Levels and regulatory Dates for Drinking Water U.S EPA vs. California, November 2008."

EPA. 2009. "National Primary Drinking Water Regulations - List of Contaminants and their MCLs." Available on-line at: <http://water.epa.gov/drink/contaminants/index.cfm#List>.

Tetra Tech. 2013. Final Site Characterization Report, Proposed Richmond Bay Campus, Research, Education, and Support Area and Groundwater within the Richmond Field Station Site. May 28.

TABLE 6: STATISTICAL SUMMARY OF CHEMICALS DETECTED IN APRIL 2014

2014 Groundwater Sampling Results, Technical Memorandum
University of California, Berkeley, Richmond Field Station Site, Richmond, California

Analyte	Detection Frequency [a]	Maximum Detected Result	Average Detected Result	Location of Maximum Detected Result	Number of Locations with Detected Results	California MCL [b]	Number of Samples with Results Greater than or Equal to California MCL	Federal MCL [c]	Number of Samples with Results Greater than or Equal to Federal MCL
Metals (µg/L)									
Filtered (Dissolved)									
ALUMINUM	5/25	79 J	39.4	B158	5	1,000	0	NC	0
ANTIMONY	19/25	3.3	0.919	B163	19	6	0	6	0
ARSENIC	25/25	11	3.07	TP1	25	10	2	10	2
BARIUM	25/25	130	53.8	B480	25	1,000	0	2,000	0
CADMIUM	3/25	5.4	2.56	B163	3	5	1	5	1
CALCIUM	25/25	860,000	151,000	DHR	25	NC	0	NC	0
CHROMIUM	17/25	28	2.42	CCC2	17	50	0	100	0
COBALT	18/25	5.7	1.73	PZ11	18	NC	0	NC	0
COPPER	4/25	22	7.13	B474	4	1,300	0	1,300	0
IRON	16/25	3,000	670	TP1	16	NC	0	NC	0
LEAD	6/25	2.2	0.500	B474	6	15	0	15	0
MAGNESIUM	25/25	950,000	156,000	BULB1	25	NC	0	NC	0
MANGANESE	25/25	19,000	2,420	B163	25	NC	0	NC	0
MERCURY	4/25	4.51	1.32	B195	4	2	1	2	1
MOLYBDENUM	19/25	43	4.32	B474	19	NC	0	NC	0
NICKEL	22/25	200	22.9	B163	22	100	2	NC	0
POTASSIUM	25/25	260,000	12,100	BULB1	25	NC	0	NC	0
SELENIUM	14/25	82	6.86	B150	14	50	1	50	1
SILVER	1/25	0.12 J	0.120	B474	1	NC	0	NC	0
SODIUM	25/25	8,500,000	502,000	BULB1	25	NC	0	NC	0
THALLIUM	6/25	0.089 J	0.0652	MFA	6	2	0	2	0
VANADIUM	25/25	7.1	2.45	B158	25	NC	0	NC	0
ZINC	18/25	260	24.5	PZ11	18	NC	0	NC	0
Volatile Organic Compounds (µg/L)									
1,1-DICHLOROETHENE	7/31	1.6 J	0.557	PZ11	7	6	0	7	0
1,2-DICHLOROETHANE	8/31	8	1.45	B163	8	0.5	4	5	1

TABLE 6: STATISTICAL SUMMARY OF CHEMICALS DETECTED IN APRIL 2014 (Continued)

2014 Groundwater Sampling Results, Technical Memorandum
University of California, Berkeley, Richmond Field Station Site, Richmond, California

Analyte	Detection Frequency [a]	Maximum Detected Result	Average Detected Result	Location of Maximum Detected Result	Number of Locations with Detected Results	California MCL [b]	Number of Samples with Results Greater than or Equal to California MCL	Federal MCL [c]	Number of Samples with Results Greater than or Equal to Federal MCL
Volatile Organic Compounds (µg/L)									
BENZENE	2/31	0.3 J	0.200	B163	2	1	0	5	0
CARBON DISULFIDE	1/31	0.5 J	0.500	B178	1	NC	0	NC	0
CARBON TETRACHLORIDE	4/31	14	4.95	CTP	4	0.5	4	5	1
CHLOROBENZENE	4/31	6.9	2.53	B163	4	NC	0	100	0
CHLOROFORM	10/31	6.5	1.13	CTP	10	NC	0	NC	0
CIS-1,2-DICHLOROETHENE	16/31	410	27.7	PZ11	16	6	1	70	1
METHYL TERT-BUTYL ETHER	3/31	0.7	0.333	BULB2	3	13	0	NC	0
TETRACHLOROETHENE	21/31	9.3	1.40	B163	21	5	1	5	1
TRANS-1,2-DICHLOROETHENE	8/31	61	8.09	PZ11	8	10	1	100	0
TRICHLOROETHENE	25/31	160	45.4	B120	25	5	16	5	16
VINYL CHLORIDE	3/31	5.8	2.30	PZ11	3	0.5	2	2	1
Semivolatile Organic Compounds (µg/L)									
1,4-DIOXANE	4/10	1.8	0.800	MFA	4	NC	0	NC	0

Notes:
a Total number of samples does not include duplicates.
b California MCLs are from CDPH (2008).
c Federal MCLs are from EPA (2009).

\- Not applicable
CDPH California Department of Public Health
EPA U.S. Environmental Protection Agency
J Estimated value
MCL Maximum contaminant level
NC No criteria
µg/L Micrograms per liter

California Department of Public Health (CDPH). 2008. "Maximum Contaminant Levels and regulatory Dates for Drinking Water U.S EPA vs. California, November 2008." Available on-line at: http://www.cdph.ca.gov/certlic/drinkingwater/Documents/DWdocuments/EPAandCDPH-11-28-2008.pdf. Updated November 28.

U.S. Environmental Protection Agency (EPA). 2009. "National Primary Drinking Water Regulations - List of Contaminants and their MCLs." Available on-line at: <http://water.epa.gov/drink/contaminants/index.cfm#List>.

Table 7: VOC Detected Results Summary

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station, Richmond, California

Sample ID	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	cis-1,2-Dichloroethene	Methyl tert-butyl ether	Tetrachloroethylene	trans-1,2-Dichloroethene	Trichloroethylene	Vinyl chloride
California MCLs	6	0.5	1		0.5			6	13	5	10	5	0.5
Federal MCLs	7	5	5		5	100		70		5	100	5	2
RFSGWB12006	1.3 U	0.5 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	***3.8***	1.3 U	0.6 J	0.4 J	**160**	1.3 U
RFSGWB16306	0.7	**8**	0.3 J	0.5 U	0.5 U	6.9	1.9	***4.2***	0.5 U	**9.3**	0.6	**80**	1
RFSGWB175S06	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	***3.9***	0.5 U
RFSGWB175W06	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	2.3	0.5 U	0.1 J	0.5 U
RFSGWB17806	0.4 J	***0.4 J***	1 U	0.5 J	1 U	1 U	1 U	***3***	1 U	0.4 J	0.4 J	**110**	1 U
RFSGWB18506	0.2 J	1.2	0.1 J	0.5 U	4.4	1	1.1	1.5	0.2 J	0.3 J	0.1 J	**85**	0.1 J
RFSGWB19506	0.5 U	0.6	0.5 U	0.5 U	0.5 U	2	0.1 J	***3.9***	0.5 U	***3.8***	0.4 J	**140**	0.5 U
RFSGWB19506D	0.5 U	0.6	0.5 U	0.5 U	0.5 U	2.1	0.1 J	***3.7***	0.5 U	***3.4***	0.4 J	**140**	0.5 U
RFSGWB197R06	1 U	***0.4 J***	1 U	1 U	1 U	1 U	1 U	2.9	1 U	0.8 J	1 U	**110**	1 U
RFSGWB27706	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
RFSGWB27806	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	**6.5**	0.5 U
RFSGWB280A	0.5 U	0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
RFSGWB45006	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	1	0.5 U	0.6	0.5 U	**31**	0.5 U
RFSGWB47306	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6	0.5 U	0.9	0.5 U	**37**	0.5 U
RFSGWB47306D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8	0.5 U	1	0.5 U	**37**	0.5 U
RFSGWB48006	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.4 J	0.5 U	**21**	0.5 U
RFSGWBULB106	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
RFSGWBULB206	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	0.7	0.5 U	0.5 U	1.7	0.5 U
RFSGWCCC206	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	***3.3***	0.5 U	0.1 J	0.5 U
RFSGWCCC306	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1	0.5 U
RFSGWCCCT06	0.4 J	***0.3 J***	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2	0.5 U	0.1 J	0.2 J	**97**	0.5 U
RFSGWCTP06	0.5 U	0.5 U	0.5 U	0.5 U	**14**	0.5 U	6.5	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.5 U
RFSGWCTP06D	0.5 U	0.5 U	0.5 U	0.5 U	**15**	0.5 U	7.4	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.5 U
RFSGWEERC06	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
RFSGWEPA06	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
RFSGWETA06	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	***3.6***	0.1 J	0.2 J	1.6	**16**	0.5 U
RFSGWGEO06	0.5 U	0.5 U	0.5 U	0.5 U	0.9	0.5 U	0.7	0.5 U	0.5 U	0.1 J	0.5 U	0.1 J	0.5 U
RFSGWMFA06	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	**15**	0.5 U
RFSGWPZ1106	1.6 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**410**	2.5 U	***3.5***	61	**120**	**5.8**
RFSGWPZ906	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.6	0.5 U	1.1	0.5 U	**69**	0.5 U
RFSGWRWF06	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	***4***	0.5 U
RFSGWTP106	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	***4.2***	0.5 U
RFSGWTP206	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.4 J	0.5 U	**22**	0.5 U
RFSGWWTA06	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1	0.5 U	0.5 U	0.5 U

Table 7: VOC Detected Results Summary

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station, Richmond, California

Notes:

Indicates the value equals or exceeds both the California and Federal MCL

Indicates the value equals or exceeds the California MC

Indicates the value equals or exceeds one-half of the California or Federal MCL

µg/L	Micrograms per liter
EPA	U.S. Environmental Protection Agency
ID	Identification
J	Estimated value
MCL	Maximum contaminant level
PRG	Preliminary Remediation Goals
RSL	Regional Screening Level
SWRCB	State Water Resources Control Board
U	Not detected
VOC	Volatile organic compound

Table 8: SVOC Detected Results Summary

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

Sample ID	1,4-Dioxane
MCL	
RFSGWB12806	0.9 U
RFSGWB16306	0.2 J
RFSGWB18006	0.9 U
RFSGWB280A	0.2 J
RFSGWBULB206	1
RFSGWCCC206	1 U
RFSGWCTP06	1 U
RFSGWWTA06	0.9 U
RFSGWCTP06D	0.9 U
RFSGWEPA06	1 U
RFSGWMFA06	1.8

Notes:

No California or Federal MCLs are available for SVOCs detected in April 2014.

All results are presented in µg/L.

µg/L	Micrograms per liter
ID	Identification
J	Estimated value
MCL	Maximum contaminant level
SVOC	Semivolatile organic compound

Table 9: Metals Detected Results Summary

2014 Groundwater Sampling Results, Technical Memorandum
University of California, Berkeley, Richmond Field Station, Richmond, California

Sample ID	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
California MCLs	1,000	6	10	1,000	5		50		1,300		15			2		100		50			2		
Federal MCLs		6	10	2,000	5		100		1,300		15			2				50			2		
Secondary MCLs	200								1,000	300			50						100				5,000
RFSGWB12806	50 U	0.76 J	0.8 J	52	1 U	26000	0.41 J	1 U	3.4 U	71 U	1 U	17000	3.6	0.2 U	0.45 J	6	600	1 U	1 U	120000	1 U	1.2	5 U
RFSGWB15006	50 U	1	0.52 J	39	1.3 U	15000	1.6	1 U	1 U	71 U	1 U	12000	4.6	0.2 U	3.2 U	3.7	250	**82**	1 U	26000	1 U	0.6 J	5.6 J
RFSGWB15806	79 J	1 U	4.6	8.9	1 U	3200	1.9	1 U	3.4 U	65 J	1 U	2400	9.5	0.2 U	0.72 J	4.2 U	320	1 U	1 U	48000	1 U	7.1	2.4 J
RFSGWB16306	50 U	***3.3***	1.3	14	**5.4**	270000	1 U	4.9	1 U	71 U	1 U	220000	19000	0.2 U	3.2 U	200	1600	0.39 J	1 U	230000	1 U	2.6	8.8 J
RFSGWB175S06	50 U	1 U	1.1	62	1.3 U	63000	0.77 J	1 U	1 U	71 U	1 U	49000	4.1	0.2 U	3.2 U	1.8 J	490	1.5	1 U	100000	1 U	3.5	16 U
RFSGWB17806	50 U	2.6	4.9	23	1 U	180000	1 U	1.5	3.4 U	1100 J	1 U	190000	2400	0.2 U	1.8	5.1	1600	0.63 J	1 U	250000	0.054 J	0.46 J	3.2 J
RFSGWB19506	17 J	1 U	1.2	21	1 U	110000	0.62 J	1 U	1.5 J	45 J	0.11 J	84000	5	**4.51**	0.94 J	2.6 J	790	0.47 J	1 U	100000	0.075 J	3.8	9.2
RFSGWB19506D	14 J	1.2	1.3	20	1 U	110000	0.61 J	1 U	3.4 U	53 J	0.1 J	78000	3.6	**4.59**	0.97 J	1.5 J	550	0.61 J	1 U	91000	0.068 J	3.7	4.9 J
RFSGWB197R06	50 U	0.82 J	**10**	61	1 U	220000	1 U	1.3	3.4 U	2500 J	1 U	230000	7100	0.2 U	1.6	6.1	2500	1 U	1 U	260000	1 U	0.34 J	16
RFSGWB45006	50 U	0.19 J	1.5	120	1 U	80000	0.74 J	1 U	1 U	63 U	1 U	66000	0.48 J	0.2 U	3.2 U	2.3 J	2800	0.27 J	1 U	72000	1 U	2.4	3.1 J
RFSGWB47406	15 J	1.2	2.2	74	1 U	34000	1.5	0.56 J	22	40 J	2.2	14000	37	0.106 J	43	7.5	3000	1 U	0.12 J	9600	1 U	2.8	12
RFSGWB48006	50 U	0.25 J	3	130	1 U	54000	1.8	0.24 J	3.4 U	63 U	1 U	50000	7.9	0.2 U	0.66 J	2.7 J	1100	1 U	1 U	79000	1 U	6	3.7 J
RFSGWBULB106	50 U	2.4	***8.6***	120	1 U	380000	0.28 J	0.23 J	3.4 U	600	0.12 J	950000	580	0.2 U	5.1	4.2 U	260000	0.64 J	1 U	8500000	0.086 J	1.1	5.8
RFSGWBULB206	50 U	1 U	2.4	74	1.3 U	43000	0.2 J	1.4	1 U	520	0.14 J	60000	1100	0.2 U	7	2.2 J	9900	0.28 J	1 U	260000	1 U	1.2	16 U
RFSGWCCC206	50 U	0.51 J	1.3	23	1 U	59000	28	1 U	3.4 U	63 U	1 U	43000	1.7	0.2 U	0.74 J	1.8 J	1100	7.8	1 U	90000	1 U	2.8	5 U
RFSGWCCC306	50 U	1 U	2.6	14	1 U	61000	1 U	0.2 J	3.4 U	32 J	1 U	46000	190	0.2 U	1.5	1.9 J	1300	1 U	1 U	86000	1 U	2.4	2.4 J
RFSGWCTP06	50 U	0.12 J	0.92 J	85	2	62000	1.4	0.2 J	3.4 U	25 J	1 U	34000	66	0.2 U	0.84 J	4.2 U	600	1 U	1 U	71000	1 U	2.8	42
RFSGWCTP06D	50 U	0.13 J	0.98 J	81	2.1	61000	1.4	0.23 J	3.4 U	63 U	1 U	34000	66	0.2 U	0.78 J	2.1 J	650	0.41 J	1 U	67000	1 U	2.7	44
RFSGWDHR06	50 U	0.32 J	2.6	82	0.28 J	860000	1 U	3.9	3.4 U	330	1 U	630000	4800	0.2 U	1.3	69	7600	0.26 J	1 U	810000	0.043 J	0.56 J	5.5
RFSGWEERC06	50 U	0.25 J	4.2	28	1 U	440000	0.19 J	3.3	3.4 U	980	1 U	350000	2100	0.2 U	1.1	6.6	2100	1 U	1 U	440000	1 U	1.6	5.3
RFSGWETA06	56	0.15 J	4.4	24	1 U	130000	1 U	3.7	3.4 U	1000 J	0.29 J	130000	6100	0.2 U	2.6	4.6	1200	1 U	1 U	190000	1 U	1	44
RFSGWFG06	50 U	2.7	1.3	19	1 U	18000	0.37 J	0.15 J	2.3 J	58 UJ	1 U	21000	6.9	0.2 U	0.72 UJ	2 J	330	0.48 J	1 U	75000	0.044 J	2.2	16 U
RFSGWMFA06	50 U	0.15 J	1.5	38	1 U	72000	1 U	0.99 J	3.4 U	45 J	1 U	59000	330	0.505	5.4	11	590	0.54 J	1 U	120000	0.089 J	5.2	5 U
RFSGWNRLF06	50 U	0.21 J	2	81	1 U	50000	0.2 J	0.34 J	3.4 U	110 UJ	1 U	26000	80	0.2 U	0.97 UJ	1.6 J	970	1 U	1 U	56000	1 U	2.4	9 UJ
RFSGWPZ1106	50 U	0.36 J	1.6	22	1 U	320000	1 U	5.7	2.7 J	400	1 U	450000	13000	0.2 U	4.6	150	1100	0.42 J	1 U	270000	1 U	2.2	260
RFSGWPZ806	30 J	0.17 J	1.3	95	1 U	53000	0.97 J	0.24 J	3.4 U	41 J	0.14 J	46000	37	0.2 U	0.46 J	3.6 J	770	0.34 J	1 U	64000	1 U	4.2	4.4 J
RFSGWTP106	50 U	1 U	**11**	35	1 U	160000	0.17 J	2.3	3.4 U	3000	1 U	120000	3600	0.139 J	2.3	12	1100	1 U	1 U	230000	1 U	0.79 J	6.8

Notes

Indicates the value equals or exceeds both the California and Federal MCL	µg/L	Micrograms per liter	J	Estimated value	RSL	Regional Screening Levels
Indicates the value equals or exceeds the California MCL	EPA	U.S. Environmental Protection Agency	MCL	Maximum Contaminant Level	SWRCB	State Water Resources Control Board
Indicates the value equals or exceeds one-half of the California or Federal MCL	ID	Identification	PRG	Preliminary Remediation Goals	U	Not detected

All results are presented in µg/L.

ATTACHMENT 1
WELL SAMPLING FORMS

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.1.14 / 1134 Project Site/Subsite: RFS

Sample ID: RFSGWB120Φ6

Well ID: B120 Point Name: _____

Depth to Well Bottom: 13.15 ft. below top of casing (PVC cap)

Depth to Water Level: 4.37 ft. below PVC cap

Depth to Water Level: 4.50 ft below PVC cap after prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer √peristaltic pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 15 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading								Stabilization Criteria	Final
Time	1105	1109	1113	1117	1121	1125	1129	1133		
PH	6.54	6.62	6.62	6.62	6.63	6.62	6.62	6.63	+/- 0.2	
Temperature (°C)	15.91	15.97	16.00	15.99	16.00	15.98	15.96	15.96	+/- 2.0 °C	
Specific Conductance (µmhos/cm)	3.88	3.55	3.25	3.14	3.00	2.95	2.91	2.88	+/- 3%	
Turbidity (NTU)	97.9	75.4	52.9	33.0	30.3	21.3	13.5	10.7	+/- 10%	
Dissolved Oxygen (mg/L)	0.40	0.03	Φ	Φ	Φ	Φ	Φ	Φ	+/- 0.2	
ORP (mV)	133	124	119	117	116	115	114	113	+/- 10	
Each Volume Purged (L)	1L	2.0	2.0	2L	2L	2L	2L	2L		
Total Liters Purged	1L	3L	5L	7L	9L	11L	13L	15L		

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): N/A

Comments _____

Sample(s) Collected By: CFerl12 Q. Johnson

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/10/14, 1151 Project Site/Subsite: RFS

Sample ID: RFSGWB128Q6

Well ID: B128 Point Name: _____

Depth to Well Bottom: 16.0 ft. below top of casing (PVC cap)

Depth to Water Level: 6.82 ft. below PVC cap

Depth to Water Level: 11.39 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓ Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 17 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1119	1123	1127	1131	1135	1139	1143	1147	1151		
PH	6.13	5.93	5.91	5.92	5.93	5.95	6.00	6.00	6.02	+/- 0.2	
Temperature (°C)	17.10	16.96	16.94	16.96	16.97	16.98	17.00	17.02	17.03	+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	0.703	0.698	0.695	0.700	0.703	0.719	0.745	0.764	0.762	+/- 3%	
Turbidity (NTU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+/- 10%	
Dissolved Oxygen (mg/L)	3.39	2.99	3.28	3.41	3.18	2.84	1.98	1.27	1.07	+/- 0.2	
ORP (mV)	125	156	165	172	172	172	169	169	164	+/- 10	
Each Volume Purged (L)	1	2	2	2	2	2	2	2	2		
Total Liters Purged	1L	3L	5L	7L	9L	11L	13L	15L	17L		

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: CFerlic | Q. Johnson

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.1.14 / 1220 Project Site/Subsite: RFS

Sample ID: RFSGWB150006

Well ID: B150 Point Name: _____

Depth to Well Bottom: 15.18 ft. below top of casing (PVC cap)

Depth to Water Level: 4.82 ft. below PVC cap

Depth to Water Level: 3.50 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer Peristaltic Pump ✓

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 7 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1206	1210	1214	1218							
PH	6.80	6.53	6.50	6.49						+/- 0.2	
Temperature (°C)	15.17	15.18	15.16	15.15						+/- 2.0 °C	
Specific Conductance (µmhos/cm)	0.39	0.34	0.34	0.34						+/- 3%	
Turbidity (NTU)	11.9	14.3	18.1	13.4						+/- 10%	
Dissolved Oxygen (mg/L)	5.2	4.86	4.78	4.76						+/- 0.2	
ORP (mV)	122	139	142	145						+/- 10	
Each Volume Purged (L)	1L	2L	2L	2L							
Total Liters Purged	1L	3L	5L	7L							

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments Pressure detected; _____

Sample(s) Collected By: CKelic / Q. Johnson

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.2.14 / 1257 Project Site/Subsite: RFS

Sample ID: ~~RFSGWB15~~ RFSGWB15806

Well ID: B158 Point Name: _____

Depth to Well Bottom: 15.8 ft. below top of casing (PVC cap)

Depth to Water Level: 8.92 ft. below PVC cap

Depth to Water Level: 9.65 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 17 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	12:25	12:29	12:33	12:37	12:41	12:45	12:49	12:53	12:57		
PH	6.76	6.32	6.27	6.26	6.26	6.25	6.23	6.22	6.21	+/- 0.2	
Temperature (°C)	16.37	16.20	16.19	16.13	16.12	16.10	16.10	16.16	16.17	+/- 2.0 °C	
Specific Conductance (µmhos/cm)	.306	.294	.295	.297	.296	.298	.298	.300	.303	+/- 3%	
Turbidity (NTU)	235	290	320	381	343	312	290	303	310	+/- 10%	
Dissolved Oxygen (mg/L)	2.61	1.30	1.21	1.32	1.58	1.73	1.89	1.70	1.84	+/- 0.2	
ORP (mV)	78	105	111	113	117	125	129	133	136	+/- 10	
Each Volume Purged (L)	1L	2L	2L	2L	2L	2L	2L	2L	2L		
Total Liters Purged	1L	3L	5L	7L	9L	11L	13L	15L	17L		

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): Milky water, turbid

Comments _____

Sample(s) Collected By: CFerril | Q.Johnson

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/1/14 / 10:16 Project Site/Subsite: RFS

Sample ID: RFSGWB163Q6

Well ID: B163 Point Name: _____

Depth to Well Bottom: 16.58 ft. below top of casing (PVC cap)

Depth to Water Level: 3.81 ft. below PVC cap

Depth to Water Level: ~~3.8~~ 3.86 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump / Bailer / Submersible Pump ✓ PERISTALTIC PUMP

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill= _____ Discharge= _____ Throttle= _____ psi

Total Purged 13.0 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.50 ~~.48~~ Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	0952	0956	1000	1004	1008	1012	1016				
PH	5.61	5.62	5.63	5.63	5.62	5.63	5.62			+/- 0.2	
Temperature (°C)	15.79	16.30	17.09	17.16	17.19	17.20	17.20			+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	3.73	3.64	3.58	3.57	3.56	3.55	3.55			+/- 3%	
Turbidity (NTU)	32.1	24.7	18.6	13.7	7.4	1.2	3.1			+/- 10%	
Dissolved Oxygen (mg/L)	0.49	0.41	0.18	0.16	0.0	0.0	0.0			+/- 0.2	
ORP (mV)	202	188	186	186	187	186	187			+/- 10	
Each Volume Purged (L)	1.0	2.0	2.0	2.0	2.0	2.0	2.0				
Total Liters Purged	1.0	3.0	5.0	7.0	9.0	11.0	13.0				

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: C. FERLIC ; P. JOHNSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.1.14 / 1348 Project Site/Subsite: RFS

Sample ID: RFSGWB175S06

Well ID: B175S Point Name: _____

Depth to Well Bottom: 14.8 ft. below top of casing (PVC cap)

Depth to Water Level: 7.62 ft. below PVC cap

Depth to Water Level: 7.57 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 12.5 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1324	1328	1332	1336	1340	1344	1348				
PH	6.31	6.38	6.40	6.43	6.44	6.45	6.46			+/- 0.2	
Temperature (°C)	15.89	16.01	16.03	16.00	16.07	16.08	16.08			+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	1.21	1.25	1.24	1.23	1.21	1.20	1.18			+/- 3%	
Turbidity (NTU)	74.1	52.5	25.2	10.7	8.4	6.0	4.3			+/- 10%	
Dissolved Oxygen (mg/L)	2.41	1.98	1.24	0.99	0.76	0.68	0.58			+/- 0.2	
ORP (mV)	153	155	154	154	153	153	153			+/- 10	
Each Volume Purged (L)	0.5	2.0	2.0	2.0	2.0	2.0	2.0				
Total Liters Purged	0.5	2.5	4.5	6.5	8.5	10.5	12.5				

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? No (Yes) _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: C FERLIC P. JOHNSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/1/14 / 1309 Project Site/Subsite: RFS

Sample ID: RFSGWB175WP16

Well ID: B175W Point Name: _____

Depth to Well Bottom: 14.73 ft. below top of casing (PVC cap)

Depth to Water Level: 7.24 ft. below PVC cap

Depth to Water Level: ~~14.73~~ 7.62 ft below PVC cap ~~prior~~ after to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓ Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill= _____ Discharge= _____ Throttle= _____ psi

Total Purged 12.5 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading								Stabilization Criteria	Final
Time	1240	1244	1248	1252	1256	1300	1304			
PH	6.25	6.31	6.29	6.29	6.28	6.28	6.27		+/- 0.2	
Temperature (°C)	16.21	16.69	16.78	16.86	16.87	16.95	16.99		+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	0.442	0.442	0.440	0.437	0.437	0.435	0.433		+/- 3%	
Turbidity (NTU)	4.9	2.9	3.0	1.8	2.3	1.8	1.5		+/- 10%	
Dissolved Oxygen (mg/L)	3.38	2.45	1.91	1.67	1.74	1.54	1.53		+/- 0.2	
ORP (mV)	146	148	149	149	150	149	150		+/- 10	
Each Volume Purged (L)	0.5	2.0	2.0	2.0	2.0	2.0	2.0			
Total Liters Purged	0.5	2.5	4.5	6.5	8.5	10.5	12.5			

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments Replaced well cap on PVC

Sample(s) Collected By: CFenic / Q. Johnson

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/8/14 / 10:39 Project Site/Subsite: RFS

Sample ID: RFSGWB178Q6

Well ID: B178 Point Name: _____

Depth to Well Bottom: 13.46' ft. below top of casing (PVC cap)

Depth to Water Level: 2.66 ft. below PVC cap

Depth to Water Level: 2.69 ft below PVC cap ~~prior~~ after to sampling

Method of Purging: Bladder Pump / Bailer / Submersible Pump ✓ peristaltic pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 18 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	09:54	9:58	10:02	10:06	10:10	10:14	10:18	10:22	10:26		
PH	6.24	6.45	6.47	6.50	6.50	6.51	6.5	6.51	6.53	+/- 0.2	
Temperature (°C)	16.90	16.93	16.93	17.01	17.09	17.22	17.3	17.32	17.42	+/- 2.0 °C	
Specific Conductance (µmhos/cm)	5.37	4.62	4.49	4.17	3.80	3.58	3.46	3.35	3.26	+/- 3%	
Turbidity (NTU)	88.3	14.6	15.4	14.6	9.4	11.2	6.2	6.0	5.4	+/- 10%	
Dissolved Oxygen (mg/L)	.04	0	0	0	0	0	0	0	0	+/- 0.2	
ORP (mV)	-81	-139	-142	-143	-132	-123	-116	-113	-108	+/- 10	
Each Volume Purged (L)	2L	2L	2L	2L	2L	2L	2L	2L	2L		
Total Liters Purged	2L	4L	6L	8L	10L	12L	14L	16L	18L.		

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): Sulfer odor. & clear.

Comments _____

Sample(s) Collected By: M. Hameson | C. Perlic.

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/8/14 / 1520 Project Site/Subsite: RFS

Sample ID: RFSGWB18006

Well ID: B18D Point Name: _____

Depth to Well Bottom: 16.61 ft. below top of casing (PVC cap)

Depth to Water Level: 6.02 ft. below PVC cap

Depth to Water Level: 6.30' ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓ peristaltic pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 10 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1302	1306	1310	1314	1318						
PH	6.90	6.76	6.76	6.77	6.76					+/- 0.2	
Temperature (°C)	16.88	16.67	16.56	16.52	16.51					+/- 2.0 °C	
Specific Conductance (µmhos/cm)	.678	.687	.623	.622	.623					+/- 3%	
Turbidity (NTU)	18.1	14.9	4.5	3.0	1.3					+/- 10%	
Dissolved Oxygen (mg/L)	3.86	3.35	3.33	3.39	3.41					+/- 0.2	
ORP (mV)	28	41	43	43	44					+/- 10	
Each Volume Purged (L)	2L	2L	2L	2L	2L						
Total Liters Purged	2L	4L	6L	8L	10L						

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): —

Comments —

Sample(s) Collected By: M. Hanson / C. Ferlic

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/8/14 / 9:33 Project Site/Subsite: RFS

Sample ID: KFSGWB185D6

Well ID: B185 Point Name: _____

Depth to Well Bottom: 13.91' ft. below top of casing (PVC cap)

Depth to Water Level: 2.48' ft. below PVC cap

Depth to Water Level: 2.58' ft below PVC cap ~~prior~~ after. to sampling

Method of Purging: Bladder Pump / Submersible Pump ✓ peristaltic
Bailer

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill= _____ Discharge= _____ Throttle= _____ psi

Total Purged 15 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	9:09	9:13	9:17	9:21	9:25	9:29	9:33				
PH	6.54	6.45	6.43	6.43	6.43	6.43	6.43			+/- 0.2	
Temperature (°C)	16.06	16.10	16.11	16.13	16.13	16.15	16.15			+/- 2.0 °C	
Specific Conductance (µmhos/cm)	2.41	2.42	2.42	2.42	2.42	2.43	2.43			+/- 3%	
Turbidity (NTU)	124	81.9	57.2	35.2	21.9	15.8	13.5			+/- 10%	
Dissolved Oxygen (mg/L)	0.59	0.20	0.10	0.03	0	0	0			+/- 0.2	
ORP (mV)	-20	9	18	24	24	19	19			+/- 10	
Each Volume Purged (L)	3L	2L	2L	2L	2L	2L	2L				
Total Liters Purged	3L	5L	7L	9L	11L	13L	15L				

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): —

Comments —

Sample(s) Collected By: M. Hansen / C. Ferlic.

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/2/14 / 0908, DUP @ 0910 Project Site/Subsite: RFS

Sample ID: RFSGWB195Q6

Well ID: B195 Point Name: _____

Depth to Well Bottom: 16.2 ft. below top of casing (PVC cap)

Depth to Water Level: 4.58 ft. below PVC cap

Depth to Water Level: 4.60 ft below PVC cap ~~prior~~ after to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓PERISTALTIC PUMP

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill= _____ Discharge= _____ Throttle= _____ psi

Total Purged 17 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	836	840	844	848	852	856	900	904	908		
PH	6.66	6.60	6.62	6.60	6.59	6.58	6.58	6.58	6.58	+/- 0.2	
Temperature (°C)	14.59	15.27	15.24	15.27	15.27	15.28	15.31	15.34	15.33	+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	2.96	3.03	2.46	2.00	1.80	1.75	1.69	1.64	1.65	+/- 3%	
Turbidity (NTU)	460	508	348	189	114	83.7	57.7	28.7	30.0	+/- 10%	
Dissolved Oxygen (mg/L)	1.64	0.55	0.62	1.05	1.26	1.16	1.15	1.04	0.86	+/- 0.2	
ORP (mV)	190	188	184	180	180	179	177	176	174	+/- 10	
Each Volume Purged (L)	1	2	2	2	2	2	2	2	2		
Total Liters Purged	1	3	5	7	9	11	13	15	17		

Duplicate Sample Collected? No (Yes) (Sample ID of Duplicate) RFSGWB195Q6D TIME: 9:10

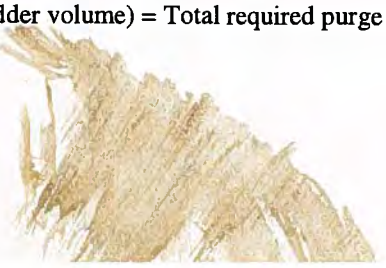
MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments Duplicate time collected 09:10

Sample(s) Collected By: C. FERLIC & JOHNSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.



Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 9/8/14 / 12:03 Project Site/Subsite: RFS

Sample ID: RFSGWB197R06

Well ID: B197R Point Name: _____

Depth to Well Bottom: 15.26 ft. below top of casing (PVC cap)

Depth to Water Level: 5.18 ft. below PVC cap

Depth to Water Level: 5.32 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer √peristaltic pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 9 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	11:47	11:51	11:55	11:59	12:03						
PH	6.64	6.61	6.60	6.61	6.61					+/- 0.2	
Temperature (°C)	18.73	18.22	18.20	18.26	18.68					+/- 2.0 °C	
Specific Conductance (µmhos/cm)	3.63	3.64	3.63	3.61	3.58					+/- 3%	
Turbidity (NTU)	25.6	16.4	7.6	4.3	2.0					+/- 10%	
Dissolved Oxygen (mg/L)	0	0	0	0	0					+/- 0.2	
ORP (mV)	~~108~~	-111	-115	-115	-115					+/- 10	
Each Volume Purged (L)	2L	2L	2L	2L	2L						
Total Liters Purged	1L	3L	5L	7L	9L						

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): —

Comments _____

Sample(s) Collected By: CJERLIC / M. Hanson

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.2.14 / 1343 Project Site/Subsite: RFS

Sample ID: RFSGWB277B6

Well ID: B277 Point Name: _____

Depth to Well Bottom: 17.55 ft. below top of casing (PVC cap)

Depth to Water Level: 9.8 ft. below PVC cap

Depth to Water Level: 10.00 ft below PVC cap after prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer √peristaltic

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 13 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1319	1323	1327	1331	1335	1339	1343				
PH	6.38	6.89	6.98	7.03	7.04	7.05	7.07			+/- 0.2	
Temperature (°C)	16.73	16.41	16.30	16.33	16.33	16.35	16.33			+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	0.771	0.788	0.781	0.770	0.764	0.760	0.757			+/- 3%	
Turbidity (NTU)	190	89	19.3	21.0	21.6	22.9	28.6			+/- 10%	
Dissolved Oxygen (mg/L)	2.07	0.07	0.00	0.15	0.28	0.29	0.30			+/- 0.2	
ORP (mV)	133	109	100	92	88	85	83			+/- 10	
Each Volume Purged (L)	1.0	2.0	2	2	2	2	2				
Total Liters Purged	1.0	3.0	5	7	9	10	13				

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): —

Comments —

Sample(s) Collected By: C. FERLIC / P JOHNSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.9.14 / 1359 Project Site/Subsite: RFS

Sample ID: RFSGWB278D6

Well ID: B278 Point Name: _____

Depth to Well Bottom: 16.22 ft. below top of casing (PVC cap)

Depth to Water Level: 8.41 ft. below PVC cap

Depth to Water Level: 9.18 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 17 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1327	1331	1335	1339	1343	1347	1351	1355	1359		
PH	6.50	6.59	6.60	6.60	6.60	6.60	6.60	6.60	6.60	+/- 0.2	
Temperature (°C)	15.86	15.80	15.86	15.95	16.09	16.14	16.22	16.25	16.26	+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	3.42	3.42	3.42	3.42	3.41	3.39	3.38	3.38	3.37	+/- 3%	
Turbidity (NTU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+/- 10%	
Dissolved Oxygen (mg/L)	5.48	1.03	1.28	0.99	0.54	0.32	0.13	0.04	0.0	+/- 0.2	
ORP (mV)	57	71	79	81	84	77	55	49	45	+/- 10	
Each Volume Purged (L)	1	2	2	2	2	2	2	2	2		
Total Liters Purged	1L	3L	5L	7L	9L	11L	13L	15L	17L		

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): small ROOTS in samples

Comments _____

Sample(s) Collected By: C. JOHNSON . M. HANSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.9.14 / 1518 Project Site/Subsite: RFS

Sample ID: RFSGWB28DA06

Well ID: B28DA Point Name: _____

Depth to Well Bottom: 13.58 ft. below top of casing (PVC cap)

Depth to Water Level: 10.35 ft. below PVC cap

Depth to Water Level: _____ ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓ Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 9 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1502	1506	1510	1514	1518						
PH	6.93	6.73	6.67	6.64	6.62					+/- 0.2	
Temperature (°C)	17.51	17.40	17.39	17.39	17.38					+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	0.909	0.912	0.896	0.886	0.892					+/- 3%	
Turbidity (NTU)	6.4	0.0	0.0	0.0	0.0					+/- 10%	
Dissolved Oxygen (mg/L)	1.26	0.20	0.05	0.16	0.06					+/- 0.2	
ORP (mV)	79	90	94	98	101					+/- 10	
Each Volume Purged (L)	1	2	2	2	2						
Total Liters Purged	1L	3L	5L	7L	9L						

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: C. JOHNSON M HANSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/3/14 / 10:10 Project Site/Subsite: RFS

Sample ID: RFSGWB450006

Well ID: B450 Point Name: _____

Depth to Well Bottom: 15.7' ft. below top of casing (PVC cap)

Depth to Water Level: 12.71 ft. below PVC cap

Depth to Water Level: 13.82 ft below PVC cap after prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer √peristaltic

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 7 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate ~~0.5~~ 0.25 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	9:40	9:50	9:54	9:58	10:02	10:06	10:10				
PH	6.28	6.25	6.26	6.26	6.25	6.26	6.26			+/- 0.2	
Temperature (°C)	17.46	17.57	17.62	17.65	17.73	17.76	17.81			+/- 2.0 °C	
Specific Conductance (µmhos/cm)	1.28	1.34	1.36	1.35	1.35	1.34	1.33			+/- 3%	
Turbidity (NTU)	207	115	34.6	22.1	3.4	2.0	0.3			+/- 10%	
Dissolved Oxygen (mg/L)	3.37	2.72	2.92	2.74	2.97	2.98	3.13			+/- 0.2	
ORP (mV)	128	135	139	143	144	147	148			+/- 10	
Each Volume Purged (L)	1L	1L	1L	1L	1L	1L	1L				
Total Liters Purged	1L	2L	3L	4L	5L	6L	7L				

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: C. Ferriz | D. Aragon.

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/3/14 / 1054 Project Site/Subsite: RFS

Sample ID: RFSGWB473Ø6

Well ID: B.473 Point Name: _____

Depth to Well Bottom: 17.02 ft. below top of casing (PVC cap)

Depth to Water Level: 11.02 ft. below PVC cap

Depth to Water Level: 12.01 ft below PVC cap ~~prior~~ after to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓peristaltic

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill= _____ Discharge= _____ Throttle= _____ psi

Total Purged 14 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1026	1030	1034	1038	1042	1046	1050				
PH	6.79	6.57	6.56	6.54	6.54	6.54	6.53			+/- 0.2	
Temperature (°C)	18.65	17.90	17.60	17.34	17.27	17.23	17.16			+/- 2.0 °C	
Specific Conductance (µmhos/cm)	0.566	0.546	0.543	0.552	0.554	0.564	0.574			+/- 3%	
Turbidity (NTU)	27.1	20.2	18.4	16.3	18.2	15.0	13.5			+/- 10%	
Dissolved Oxygen (mg/L)	2.55	1.16	1.95	3.00	3.42	3.62	3.49			+/- 0.2	
ORP (mV)	106	121	126	128	127	127	128			+/- 10	
Each Volume Purged (L)	20.5	~~2.5~~	20.5	~~2.5~~	~~2.5~~	~~2.5~~	20.5				
Total Liters Purged	20.5	4	4.5	8.2	10.5	12.3	~~14~~ 13.5				

Duplicate Sample Collected? No (Yes) (Sample ID of Duplicate) RFSGWB473Ø6D - 1058

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): —

Comments —

Sample(s) Collected By: Carolyn Ferlic, Dayna Aragon

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/3/14 / 11:20 Project Site/Subsite: RFS

Sample ID: RFSGWB474Q6

Well ID: B.474 Point Name: _____

Depth to Well Bottom: 19.15' ft. below top of casing (PVC cap)

Depth to Water Level: 12.04' ft. below PVC cap

Depth to Water Level: 13.51 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓peristaltic

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 8L Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1107	1111	1115	1119							
PH	6.71	6.71	6.72	6.71						+/- 0.2	
Temperature (°C)	15.61	15.55	15.51	1559						+/- 2.0 °C	
Specific Conductance (µmhos/cm)	.349	.343	.342	.342						+/- 3%	
Turbidity (NTU)	31.9	30.2	28.5	29.0						+/- 10%	
Dissolved Oxygen (mg/L)	0.86	0	0	0						+/- 0.2	
ORP (mV)	68	64	64	62						+/- 10	
Each Volume Purged (L)	2L	2L	2L	2L							
Total Liters Purged	2L	4L	6L	8L							

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: CRelic | D. Aragon.

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/3/14 / 9:20 Project Site/Subsite: NFS

Sample ID: NFSGWB480Q6

Well ID: B480 Point Name: _____

Depth to Well Bottom: 16' ft. below top of casing (PVC cap)

Depth to Water Level: 12.09' ft. below PVC cap

Depth to Water Level: 12.65' ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill= _____ Discharge= _____ Throttle= _____ psi

Total Purged 17 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	8:50	8:54	8:58	9:02	9:06	9:10	9:14	9:18	9:20		
PH	6.33	6.36	6.40	6.43	6.45	6.48	6.49	6.50	6.50	+/- 0.2	
Temperature (°C)	17.11	17.23	17.31	17.38	17.42	17.43	~~17.46~~	17.46 17.47	17.46	+/- 2.0 °C	
Specific Conductance (µmhos/cm)	.633	.675	.741	.790	.813	.837	.871	.888	.896	+/- 3%	
Turbidity (NTU)	37.7	31.7	30.7	23.1	18.0	11.2	6.6	6.5	6.0	+/- 10%	
Dissolved Oxygen (mg/L)	3.14	~~3.14~~	3.12	2.76	2.59	2.46	2.31	2.21	2.12	+/- 0.2	
ORP (mV)	184	178	173	169	157	125	63	48	43	+/- 10	
Each Volume Purged (L)	2L	2L	2L	2L	2L	2L	2L	2L	1L		
Total Liters Purged	2L	4L	6L	8L	10L	12L	14L	16L	17L		

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: C Fenix / D. Aragon

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.10.14 / 0936 Project Site/Subsite: RFS

Sample ID: RFSGWBULB1Q6

Well ID: BULB 1 Point Name: _____

Depth to Well Bottom: 18.12 ft. below top of casing (PVC cap)

Depth to Water Level: 4.04 ft. below PVC cap

Depth to Water Level: 7.52 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 9L Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 1.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	0920	0924	0928	0932	0936						
PH	7.25	7.56	7.68	7.74	7.75					+/- 0.2	
Temperature (°C)	15.72	15.73	15.71	15.69	15.74					+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	36.4	36.0	35.0	34.1	33.9					+/- 3%	
Turbidity (NTU)	0.0	0.0	0.0	0.0	0.0					+/- 10%	
Dissolved Oxygen (mg/L)	0.64	0.0	0.0	0.0	0.0					+/- 0.2	
ORP (mV)	-155	-170	-177	-180	-185					+/- 10	
Each Volume Purged (L)	1	2	2	2	2						
Total Liters Purged	1L	3L	5L	7L	9L						

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): Whispy - mossy roots

Comments _____

Sample(s) Collected By: P. JOHNSON / CFERLIC

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/10/14/ 0857 Project Site/Subsite: RFS

Sample ID: RFSGWBULB[illegible]206

Well ID: BULB2 Point Name: ______

Depth to Well Bottom: 18.45 ft. below top of casing (PVC cap)

Depth to Water Level: 3.53' ft. below PVC cap

Depth to Water Level: 4.01' ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Bailer ✓ Submersible Pump ✓ peristaltic pump

Minimum Purge Volume: Two-inch well ______ Liters

Four-inch well ______ Liters

Control Box Settings: Box # ______ Refill= ______ Discharge= ______ Throttle= ______ psi

Total Purged 15 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	0829	0833	0837	0841	0845	0849	0853	0857			
PH	6.93	6.83	6.77	6.76	6.74	6.72	6.71	6.71		+/- 0.2	
Temperature (°C)	15.31	15.43	15.35	15.43	15.39	15.38	15.39	15.41		+/- 2.0 °C	
Specific Conductance (µmhos/cm) mS/cm	2.03	2.04	2.02	0.95	1.85	1.79	1.77	1.77		+/- 3%	
Turbidity (NTU)	33.3	114	103	70.6	42.3	9.0	0.0	0.0		+/- 10%	
Dissolved Oxygen (mg/L)	1.31	0.30	0.42	0.0	0.0	0.0	0.0	0.0		+/- 0.2	
ORP (mV)	116	103	~~103~~ 25	-15	-34	-42	-45	-46		+/- 10	
Each Volume Purged (L)	1	2	2	2	2	2	2	2			
Total Liters Purged	1L	3L	5L	7L	9L	11L	13L	15L			

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate)

MS/MSD Sample Collected? (No) Yes

Sample Remarks (odors, colors, sediment): slightly large particulate in purge water

Comments ______

Sample(s) Collected By: Creekil / Q. Johnson.

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.02.14, 1054 Project Site/Subsite: RFS

Sample ID: RFSGWCCC206

Well ID: CCC2 Point Name: _____

Depth to Well Bottom: 14.20 ft. below top of casing (PVC cap)

Depth to Water Level: 7.67 ft. below PVC cap

Depth to Water Level: 7.71 ft below PVC cap ~~prior~~ after to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 16.5 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 1.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading					(1041)				Stabilization Criteria	Final
Time	1021	1025	1029	1033	1037	1041	1046	1050	1054		
PH	6.68	6.61	6.60	6.62	6.62	6.57	6.60	6.60	6.61	+/- 0.2	
Temperature (°C)	15.67	15.80	15.85	15.94	16.00	16.01	16.08	16.06	16.08	+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	1.45	1.45	1.43	1.33	1.27	1.26	1.22	1.20	1.19	+/- 3%	
Turbidity (NTU)	20.6	16.6	13.2	5.9	4.4	3.7	2.7	3.0	2.1	+/- 10%	
Dissolved Oxygen (mg/L)	1.86	1.55	1.40	1.00	0.80	0.48	0.36	0.22	0.23	+/- 0.2	
ORP (mV)	156	154	151	147	144	145	140	137	136	+/- 10	
Each Volume Purged (L)	0.5	2	2	2	2	2	2	2	2		
Total Liters Purged	0.5	2.5	4.5	6.5	8.5	10.5	12.5	14.5	16.5		

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): —

Comments —

Sample(s) Collected By: C. FERLIC Q. JOHNSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 9/21/19 / 1157 Project Site/Subsite: RFS

Sample ID: RFSGWCCC3QB

Well ID: CCC3 Point Name: _____

Depth to Well Bottom: 14.2 ft. below top of casing (PVC cap)

Depth to Water Level: 5.04 ft. below PVC cap

Depth to Water Level: 9.95 ft below PVC cap ~~prior~~ after to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer √peristaltic

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 17.0 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading				1141					Stabilization Criteria	Final
Time	1125	1129	1133	1137	~~1141~~	1145	1149	1153	1157		
PH	6.87	6.83	6.82	6.80	6.76	6.71	6.72	6.66	6.73	+/- 0.2	
Temperature (°C)	15.76	15.68	15.71	15.75	15.79	15.76	15.81	15.86	15.95	+/- 2.0 °C	
Specific Conductance (µmhos/cm) ~~ms~~	1.13	1.13	1.13	1.12	1.10	1.07	1.06	1.07	1.07	+/- 3%	
Turbidity (NTU)	38.7	17.3	17.6	23.3	16.8	34.1	40.0	31.3	34.3	+/- 10%	
Dissolved Oxygen (mg/L)	1.29	0.41	2.21	2.24	1.76	0.53	0.01	0.00	0.00	+/- 0.2	
ORP (mV)	128	127	123	120	119	121	120	95	34	+/- 10	
Each Volume Purged (L)	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		
Total Liters Purged	1.0	3.0	5.0	7.0	9.0	11.0	13.0	15.0	17.0		

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: C. FERLIC Q. JOHNSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/8/14 / 11:23 Project Site/Subsite: RFS

Sample ID: ~~RFSGWB178069~~ RFSGWCCCT0616

Well ID: ~~DB~~ CCCT Point Name: _____

Depth to Well Bottom: 15.60 ft. below top of casing (PVC cap)

Depth to Water Level: 4.73' ft. below PVC cap

Depth to Water Level: 5.19' ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer √peristaltic pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 9 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	11:07	11:11	11:15	11:19	11:23						
PH	6.69	6.64	6.63	6.61	6.61					+/- 0.2	
Temperature (°C)	15.68	15.52	15.44	15.45	15.45					+/- 2.0 °C	
Specific Conductance (µmhos/cm)	3.04	2.95	2.87	2.72	2.63					+/- 3%	
Turbidity (NTU)	86.6	61.5	46.6	35.8	30.7					+/- 10%	
Dissolved Oxygen (mg/L)	0	0	0	0	0					+/- 0.2	
ORP (mV)	-65	-78	-85	-90	-94					+/- 10	
Each Volume Purged (L)	2L	2L	2L	2L	2L						
Total Liters Purged	1L	3L	5L	7L	9L						

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): NA

Comments _____

Sample(s) Collected By: M. Hanegan / C. Ferlic

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/3/14 / 1306 Project Site/Subsite: RFS

Sample ID: RFSGW CTP016

Well ID: CTP Point Name: _____

Depth to Well Bottom: 17.16 ft. below top of casing (PVC cap)

Depth to Water Level: 10.78 ft. below PVC cap

Depth to Water Level: 11.10 ft below PVC cap ~~prior~~ after to sampling

Method of Purging: Bladder Pump / Submersible Pump / ✓ peristaltic
Bailer

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 14 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1242	1246	1250	1254	1258	1302	1306				
PH	7.08	6.90	6.86	6.82	6.81	6.80	6.79			+/- 0.2	
Temperature (°C)	16.12	16.18	16.19	16.30	16.31	16.34	16.32			+/- 2.0 °C	
Specific Conductance (µmhos/cm)	1.03	0.972	.970	.981	.986	.989	.989			+/- 3%	
Turbidity (NTU)	13.6	13.5	17.0	12.6	17.3	17.5	17.3			+/- 10%	
Dissolved Oxygen (mg/L)	0.95	0.20	0.49	1.51	1.98	2.12	2.20			+/- 0.2	
ORP (mV)	61	70	69	65	64	68	70			+/- 10	
Each Volume Purged (L)	2L	2L	2L	2L	2L	2L	2L				
Total Liters Purged	2L	4L	6L	8L	10L	12L	14L				

Duplicate Sample Collected? No (Yes) (Sample ID of Duplicate) RFSGWCTP016D TIME: 1310

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): —

Comments —

Sample(s) Collected By: CFerriz / D. Aragon

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 9/10/14/ 1237 Project Site/Subsite: RFS

Sample ID: RFSGWDHR016

Well ID: DHR Point Name: _____

Depth to Well Bottom: 13.58' ft. below top of casing (PVC cap)

Depth to Water Level: 7.97' ft. below PVC cap

Depth to Water Level: 9.89 ft below PVC cap After prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓ PERISTALTIC PUMP

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill= _____ Discharge= _____ Throttle= _____ psi

Total Purged 7L Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1225	1229	1233	1237							
PH	6.10	6.21	6.23	6.23						+/- 0.2	
Temperature (°C)	16.00	15.78	15.76	15.75						+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	11.5	11.5	11.5	11.6						+/- 3%	
Turbidity (NTU)	0.0	0.0	0.0	0.0						+/- 10%	
Dissolved Oxygen (mg/L)	1.04	0.0	0.0	0.0						+/- 0.2	
ORP (mV)	21	19	21	17						+/- 10	
Each Volume Purged (L)	1	2	2	2							
Total Liters Purged	1L	3L	5L	7L							

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): —

Comments —

Sample(s) Collected By: P. JOHNSON C. FERLIC

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/3/14 / 1157 Project Site/Subsite: RFS

Sample ID: RFSGWEERC06

Well ID: EERC Point Name: _____

Depth to Well Bottom: 16.93' ft. below top of casing (PVC cap)

Depth to Water Level: 12.20' ft. below PVC cap

Depth to Water Level: 14.38 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓Peristaltic

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 13 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1137	1141	1145	1149	1153	1157					
PH	6.49	6.51	6.46	6.47	6.46	6.46				+/- 0.2	
Temperature (°C)	16.21	16.01	16.04	15.97	15.95	16.00				+/- 2.0 °C	
Specific Conductance (µmhos/cm)	5.47	5.6	5.72	5.76	5.77	5.79				+/- 3%	
Turbidity (NTU)	4.7	0	0	0	0.3	0.7				+/- 10%	
Dissolved Oxygen (mg/L)	3.71	0.9	0.61	0.21	0.35	0.41				+/- 0.2	
ORP (mV)	5	-15	-17	1	-4	-14				+/- 10	
Each Volume Purged (L)	1L	2L	2L	2L	2L	2L					
Total Liters Purged	1L	3L	5L	9L	11L	13L					

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): —

Comments —

Sample(s) Collected By: CFellz | D. Aragon.

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 9/10/14 / 13:14 Project Site/Subsite: RFS

Sample ID: RFSGWEPA006

Well ID: EPA Point Name: _____

Depth to Well Bottom: 14.20 ft. below top of casing (PVC cap)

Depth to Water Level: 8.01 ft. below PVC cap

Depth to Water Level: ~~8~~ 13.91 ft below PVC cap ~~prior~~ after to sampling

Method of Purging: Bladder Pump / Bailer / ✓ Submersible Pump peristaltic pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill= _____ Discharge= _____ Throttle= _____ psi

Total Purged 9L Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1256	1302	13:06	13:10	13:14						
PH	6.98	6.95	6.97	6.97	6.96					+/- 0.2	
Temperature (°C)	16.08	16.04	16.02	16.08	16.13					+/- 2.0 °C	
Specific Conductance (µmhos/cm)	1.52	1.52	1.54	1.55	1.55					+/- 3%	
Turbidity (NTU)	16.3	13.1	Φ	Φ	Φ					+/- 10%	
Dissolved Oxygen (mg/L)	Φ	Φ	Φ	Φ	Φ					+/- 0.2	
ORP (mV)	-18	-19	-33	-36	-39					+/- 10	
Each Volume Purged (L)	1L	2L	2L	2L	2L						
Total Liters Purged	1L	3L	5L	7L	9L.						

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): —

Comments very slow recharge - well almost dry after sampling

Sample(s) Collected By: CFERLIC / D. JOHNSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/8/14/ 1424 Project Site/Subsite: RFS

Sample ID: RFSGWETA006

Well ID: ETA Point Name: _____

Depth to Well Bottom: 13.5 ft. below top of casing (PVC cap)

Depth to Water Level: 3.00' ft. below PVC cap

Depth to Water Level: 3.08' ft below PVC cap ~~prior~~ after. to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 17 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1352	1356	1400	1404	1408	1412	1416	1420	1424		
PH	6.58	6.57	6.57	6.55	6.56	6.54	6.54	6.55	6.53	+/- 0.2	
Temperature (°C)	18.23	17.57	17.16	17.08	17.05	17.15	17.17	17.24	17.26	+/- 2.0 °C	
Specific Conductance (µmhos/cm)	2.60	2.60	2.52	2.49	2.49	2.45	2.40	2.33	2.29	+/- 3%	
Turbidity (NTU)	206	234	152	99	205	209	180	183	180	+/- 10%	
Dissolved Oxygen (mg/L)	0	0	0	0	0	0	0	0	0	+/- 0.2	
ORP (mV)	6	-9	-25	-37	-46	-52	-54	-54	-54	+/- 10	
Each Volume Purged (L)	1L	2L	2L	2L	2L	2L	2L	2L	2L		
Total Liters Purged	1L	3L	5L	7L	9L	11	13L	15L	17L		

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate)

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): Turbid, cloudy

Comments _____

Sample(s) Collected By: Cterrie | M. Hansen.

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.9.14 / 1107 Project Site/Subsite: RFS

Sample ID: RFSGWFG06

Well ID: FG Point Name: _____

Depth to Well Bottom: 16.31 ft. below top of casing (PVC cap)

Depth to Water Level: 12.43 ft. below PVC cap

Depth to Water Level: 13.74 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 17 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1035	1039	1043	1047	1051	1055	1059	1103	1107		
PH	6.44	6.16	6.14	6.13	6.13	6.11	6.12	6.13	6.11	+/- 0.2	
Temperature (°C)	17.53	17.55	17.58	17.59	17.60	17.65	17.68	17.76	17.78	+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	0.597	0.607	0.614	0.604	0.597	0.6080	0.620	0.609	0.599	+/- 3%	
Turbidity (NTU)	0.0	0.0	0.0	0.0	0.0	5.5	10.2	11.3	18.1	+/- 10%	
Dissolved Oxygen (mg/L)	3.53	2.98	2.97	2.88	2.95	3.09	3.03	2.91	2.80	+/- 0.2	
ORP (mV)	74	124	132	135	138	144	146	147	150	+/- 10	
Each Volume Purged (L)	1	2	2	2	2	2	2	2	2		
Total Liters Purged	1L	3L	5L	7L	9L	11L	13L	15L	17L		

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): A lot of bubbles = NTU increase?

Comments _____

Sample(s) Collected By: Q. JOHNSON M. HANSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.9.14 / 1433 Project Site/Subsite: RFS

Sample ID: RFSGW GE0816

Well ID: GE0 Point Name: _____

Depth to Well Bottom: 16.13 ft. below top of casing (PVC cap)

Depth to Water Level: 9.11 ft. below PVC cap

Depth to Water Level: 9.11 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓ Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 7 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1421	1425	1429	1433							
PH	6.91	6.88	6.88	6.88						+/- 0.2	
Temperature (°C)	15.94	15.80	15.79	15.76						+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	1.07	1.04	1.04	1.03						+/- 3%	
Turbidity (NTU)	5.9	0.0	0.0	0.0						+/- 10%	
Dissolved Oxygen (mg/L)	1.65	1.20	1.17	1.17						+/- 0.2	
ORP (mV)	71	78	79	81						+/- 10	
Each Volume Purged (L)	1	2	2	2							
Total Liters Purged	1L	3L	5L	7L							

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: P. JOHNSON . M. HANSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/8/14 / 15:10 Project Site/Subsite: RFS

Sample ID: RFS GW MFA 06

Well ID: MFA Point Name: _____

Depth to Well Bottom: 13.80 ft. below top of casing (PVC cap)

Depth to Water Level: 2.65 ft. below PVC cap

Depth to Water Level: 2.65 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 10 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	14:54	14:58	15:02	15:06	15:10						
PH	6.77	6.74	6.71	6.70	6.73					+/- 0.2	
Temperature (°C)	18.39	17.86	17.67	17.64	17.64					+/- 2.0 °C	
Specific Conductance (µmhos/cm)	1.26	1.26	1.26	1.26	1.27					+/- 3%	
Turbidity (NTU)	55.4	24.7	17.4	11.0	9.2					+/- 10%	
Dissolved Oxygen (mg/L)	0	0	0	0	0					+/- 0.2	
ORP (mV)	42	43	45	45	45					+/- 10	
Each Volume Purged (L)	2L	2L	2L	2L	2L						
Total Liters Purged	2L	4L	6L	8L	10L						

Duplicate Sample Collected? No ~~Yes~~ (Sample ID of Duplicate) JM

MS/MSD Sample Collected? No (Yes) inc. metals analysis

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: CFehlin / M. Hansen

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.9.14 / 1257 Project Site/Subsite: RFS

Sample ID: RFSGWNRLF06

Well ID: NRLF Point Name: _____

Depth to Well Bottom: ~~40.30~~ 18.85 ft. below top of casing (PVC cap)

Depth to Water Level: 13.31 ft. below PVC cap

Depth to Water Level: 15.45 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓ Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 16.5 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	12:25	12:29	1233	1237	1241	1245	1249	1253	1257		
PH	6.67	6.49	6.47	6.46	6.46	6.47	6.47	6.19	6.10	+/- 0.2	
Temperature (°C)	16.73	16.31	16.33	16.37	16.40	16.44	16.46	16.55	16.56	+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	0.730	0.717	0.735	0.741	0.745	0.750	0.751	0.727	0.716	+/- 3%	
Turbidity (NTU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+/- 10%	
Dissolved Oxygen (mg/L)	1.17	0.0	0.0	0.0	0.0	0.0	0.0	1.04	1.47	+/- 0.2	
ORP (mV)	68	48	21	-30	-51	-64	-70	-26	-10	+/- 10	
Each Volume Purged (L)	0.5	2	2	2	2	2	2	2	2		
Total Liters Purged	0.5L	2.5L	4.5L	6.5L	8.5L	10.5L	12.5L	14.5	16.5L		

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: P. JOHNSON M. HANSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/8/14 / 1245 Project Site/Subsite: RFS

Sample ID: RFSGWPZ806

Well ID: PZ8 Point Name: _____

Depth to Well Bottom: 20.63' ft. below top of casing (PVC cap)

Depth to Water Level: 5.47' ft. below PVC cap

Depth to Water Level: 5.45' ft below PVC cap ~~prior~~ after to sampling

Method of Purging: Bladder Pump / Submersible Pump peristaltic pump
Bailer

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 7 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1232	1236	1240	1244							
PH	6.70	6.57	6.52	6.50						+/- 0.2	
Temperature (°C)	17.97	17.94	17.27	17.28						+/- 2.0 °C	
Specific Conductance (µmhos/cm)	0.953	0.953	0.957	.957						+/- 3%	
Turbidity (NTU)	14.5	9.4	7.6	6.6						+/- 10%	
Dissolved Oxygen (mg/L)	0.23	0	0	0						+/- 0.2	
ORP (mV)	11	26	36	41						+/- 10	
Each Volume Purged (L)	1L	2L	2L	2L							
Total Liters Purged	1L	3L	5L	7L							

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: Oberle / M. Hanson.

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/9/14 / 1015 Project Site/Subsite: RFS

Sample ID: RFSGWPZ9Q6

Well ID: PZ9 Point Name: _____

Depth to Well Bottom: 19.60 ft. below top of casing (PVC cap)

Depth to Water Level: 5.91 ft. below PVC cap

Depth to Water Level: 11.69 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓ Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 10.5 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	0955	0959	1003	1007	1011	1015					
PH	6.31	6.27	6.26	6.26	6.25	6.25				+/- 0.2	
Temperature (°C)	17.17	17.30	17.35	17.36	17.39	17.42				+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	0.952	0.919	0.916	0.920	0.923	0.924				+/- 3%	
Turbidity (NTU)	0.0	3.9	0.0	0.0	0.0	0.0				+/- 10%	
Dissolved Oxygen (mg/L)	0.14	0.0	0.0	0.0	0.0	0.0				+/- 0.2	
ORP (mV)	64	49	42	38	38	38				+/- 10	
Each Volume Purged (L)	0.5	2	2	2	2	2					
Total Liters Purged	0.5L	2.5L	4.5L	6.5L	8.5L	10.5L					

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: Q. JOHNSON, M. HANSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/9/14 / 09:13 Project Site/Subsite: RFS

Sample ID: RFS GW PZ11 06

Well ID: PZ11 Point Name: _____

Depth to Well Bottom: 18.85 ft. below top of casing (PVC cap)

Depth to Water Level: 3.05 ft. below PVC cap

Depth to Water Level: 9.15 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓ peristaltic pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 7 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	09:01	09:05	09:09	09:13							
PH	5.98	6.13	6.17	6.18						+/- 0.2	
Temperature (°C)	15.89	15.98	16.00	16.03						+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	5.47	5.38	5.11	4.85						+/- 3%	
Turbidity (NTU)	4.7	3.8	0	0						+/- 10%	
Dissolved Oxygen (mg/L)	.61	.05	0	0						+/- 0.2	
ORP (mV)	27	0	7	2						+/- 10	
Each Volume Purged (L)	1L	2L	2L	2L							
Total Liters Purged	1L	3L	5L	7L							

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): small roots in purge water and samples.

Comments _____

Sample(s) Collected By: P. JOHNSON . M. HANSON

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.9.14 / 1151 Project Site/Subsite: RFS

Sample ID: RFSGWRWFQ6

Well ID: RWF Point Name: _____

Depth to Well Bottom: 17.75 ft. below top of casing (PVC cap)

Depth to Water Level: 7.90 ft. below PVC cap

Depth to Water Level: 7.90 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump / Bailer / ✓Submersible Pump Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 9 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	11:35	11:39	11:43	11:47	11:51						
PH	6.37	6.40	6.42	6.43	6.44					+/- 0.2	
Temperature (°C)	16.76	16.68	16.68	16.68	16.64					+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	1.28	1.30	1.30	1.30	1.29					+/- 3%	
Turbidity (NTU)	95.5	24.0	12.3	0	0					+/- 10%	
Dissolved Oxygen (mg/L)	1.17	.30	.12	.02	.01					+/- 0.2	
ORP (mV)	1.27	1.27	1.27	1.27	1.28					+/- 10	
Each Volume Purged (L)	1L	2L	2L	2L	2L						
Total Liters Purged	1L	3L	5L	7L	9L						

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): Cloudy purge water and sample

Comments _____

Sample(s) Collected By: Q. Johnson / M. Hansen

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4/2/14, 1420 Project Site/Subsite: RFS

Sample ID: RFSGWTP1Q6

Well ID: TP1 Point Name: _____

Depth to Well Bottom: 16.05 ft. below top of casing (PVC cap)

Depth to Water Level: 11.32 ft. below PVC cap

Depth to Water Level: 11.18 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓peristaltic

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 9 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1403	1407	1411	1415	1419						
PH	6.59	6.54	6.51	6.48	6.46					+/- 0.2	
Temperature (°C)	18.58	18.40	18.33	17.92	17.90					+/- 2.0 °C	
Specific Conductance (µmhos/cm)	2.75	2.75	2.65	2.60	2.52					+/- 3%	
Turbidity (NTU)	32.5	32.3	11.7	7.4	4.5					+/- 10%	
Dissolved Oxygen (mg/L)	0.38	0	0	0	0					+/- 0.2	
ORP (mV)	-81	-82	-78	-72	-68					+/- 10	
Each Volume Purged (L)	1L	2L	2L	2L	2L						
Total Liters Purged	1L	3L	5L	7L	9L						

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: C Ferlic / Q. Johnson

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.2.14 / 1504 Project Site/Subsite: RFS

Sample ID: RFSGWTP206

Well ID: TP2 Point Name: _____

Depth to Well Bottom: 17.18 ft. below top of casing (PVC cap)

Depth to Water Level: 10.58 ft. below PVC cap

Depth to Water Level: 10.65 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer ✓ Peristaltic Pump

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill=_____ Discharge=_____ Throttle=_____ psi

Total Purged 17 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1432	1436	1440	1444	1448	1452	1456	1500	1504		
PH	6.67	6.50	6.48	6.48	6.48	6.48	6.48	6.48	6.48	+/- 0.2	
Temperature (°C)	17.60	17.52	17.54	17.55	17.58	17.60	17.61	17.61	17.62	+/- 2.0 °C	
Specific Conductance (µmhos/cm)	1.32	1.29	1.28	1.28	1.28	1.28	1.28	1.28	1.28	+/- 3%	
Turbidity (NTU)	29.3	16.9	56.7	40.6	34.6	29.8	20.1	14.7	12.5	+/- 10%	
Dissolved Oxygen (mg/L)	2.10	0.20	Φ	Φ	Φ	Φ	Φ	Φ	Φ	+/- 0.2	
ORP (mV)	2	42	55	65	72	79	80	84	86	+/- 10	
Each Volume Purged (L)	1L	2L	2L	2L	2L	2L	2L	2L	2L		
Total Liters Purged	1L	3L	5L	7L	9L	11L	13L	15L	17L		

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: C Perrin | Q. Johnson

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

Tetra Tech, Inc.

MONITORING WELL SAMPLING FORM

Date/Time of Sample Collection: 4.10.14 / 1038 Project Site/Subsite: RFS RFS

Sample ID: RFSGWWTAQ6

Well ID: WTA Point Name: _____

Depth to Well Bottom: 14.10 ft. below top of casing (PVC cap)

Depth to Water Level: 5.36 ft. below PVC cap

Depth to Water Level: 6.88 ft below PVC cap prior to sampling

Method of Purging: Bladder Pump Submersible Pump
Bailer √ PERISTALTIC PUMP

Minimum Purge Volume: Two-inch well _____ Liters

Four-inch well _____ Liters

Control Box Settings: Box # _____ Refill= _____ Discharge= _____ Throttle= _____ psi

Total Purged 15 Liters Purge Rate goal = 0.5 Liters/Min. Actual purge rate 0.5 Liters/Min

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed	Initial reading									Stabilization Criteria	Final
Time	1010	1014	1018	1022	1026	1030	1034	1038			
PH	7.37	6.91	6.77	6.70	6.74	6.71	6.73	6.72		+/- 0.2	
Temperature (°C)	15.29	15.32	15.37	15.43	15.48	15.50	15.52	15.53		+/- 2.0 °C	
Specific Conductance (µmhos/cm) ms/cm	0.552	0.487	0.489	0.537	0.554	0.571	0.573	0.583		+/- 3%	
Turbidity (NTU)	43.8	42.9	39.0	23.8	16.8	12.7	15.1	12.0		+/- 10%	
Dissolved Oxygen (mg/L)	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0		+/- 0.2	
ORP (mV)	4	0	-7	4	16	25	27	30		+/- 10	
Each Volume Purged (L)	1	2	2	2	2	2	2	2			
Total Liters Purged	1L	3L	5L	7L	9L	11L	13L	15L			

Duplicate Sample Collected? (No) Yes (Sample ID of Duplicate) _____

MS/MSD Sample Collected? (No) Yes _____

Sample Remarks (odors, colors, sediment): _____

Comments _____

Sample(s) Collected By: P. JOHNSON C. FERLIC

Well Volume purge Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters.

ATTACHMENT 2
COMPLETE ANALYTICAL RESULTS

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Analysis Group
B120	09/09/2010	33	1 U	2.2	26	0.5 U	100	1 U	170000	1.2	0.4 J	2.2	59 J	2 U	METAL
B120	04/15/2011	75 UJ	1 U	1.6 J	20	1 UJ	NA	2 U	210000	0.34 J	1 U	4.3	16 J	0.43 J	DMETAL
B120	10/04/2011	50 U	2.4	4.2	19	0.23 J	NA	1 U	190000	0.48 J	0.38 J	1.6 U	100 U	1 U	DMETAL
B120	04/03/2012	50 U	1 U	2.6 UJ	25	1 U	NA	0.25 J	160000	0.44 J	1 U	1.6 J	50 U	1 U	DMETAL
B121	09/08/2010	33	1 U	1.8	57	0.5 U	86 J	1 U	49000	1.5	0.31 J	2 U	100 U	2 U	METAL
B121	04/13/2011	50 UJ	0.2 J	1.2	55	1 U	NA	1 U	42000	1.3	0.14 J	0.5 J	50 U	0.31 J	DMETAL
B121	10/04/2011	50 U	1 U	3.2	62	0.22 J	NA	0.44 J	48000	0.88 J	1 U	1.6 U	100 U	1 U	DMETAL
B121	04/04/2012	50 U	0.45 J	0.97 J	59	1 U	NA	1 U	47000	1.1	1 U	2.3 U	15 UJ	1 U	DMETAL
B128	09/23/2010	55	1 U	5.7	23	0.5 U	320	1 U	69000	1.1	0.58	1.3 J	250	2 U	METAL
B128	09/23/2010	41	1 U	3.5	24	0.5 U	280	1 U	64000	1.1	0.28 J	1.6 J	72 J	2 U	METAL
B128	04/18/2011	50 U	0.7 J	0.95 J	41	1 UJ	NA	2 U	27000	1 U	1 U	8.4 J	50 UJ	0.71 J	DMETAL
B128	10/04/2011	50 U	0.62 J	5.8	22	1 U	NA	1 U	30000	1 U	0.47 J	1.6 U	59 UJ	1 U	DMETAL
B128	04/02/2012	9.6 J	0.33 UJ	0.89 UJ	57	1 U	NA	0.94 J	24000	0.54 J	1 U	2.3 U	50 U	1 U	DMETAL
B128	04/05/2013	50 U	1.4	0.77 J	44	1 U	NA	1 U	22000	1 U	0.17 J	2.3 U	31 J	1 U	DMETAL
B128	04/10/2014	50 U	0.76 J	0.8 J	52	1 U	NA	1 U	26000	0.41 J	1 U	3.4 U	71 U	1 U	DMETAL
B150	09/08/2010	14 J	1 U	0.89 J	12	0.5 U	95 J	1 U	27000	1 U	0.5 U	1.6 J	100 U	2 U	METAL
B150	04/13/2011	50 UJ	0.19 J	0.57 J	26	1 U	NA	0.44 J	18000	0.73 J	1 U	4.2 J	50 U	0.46 J	DMETAL
B150	10/05/2011	34 J	0.34 J	0.67 J	20	1 UJ	NA	1 U	21000	0.37 J	1 U	3.4	50 U	0.25 J	DMETAL
B150	10/05/2011	49 J	0.14 J	1 U	14	1 UJ	NA	1 U	19000	0.32 J	1 U	1 U	50 U	1 U	DMETAL
B150	04/04/2012	6.5 J	1 U	0.39 J	35	1 U	NA	1 U	16000	0.98 J	1 U	2.3 U	50 U	1 U	DMETAL
B150	04/04/2012	18 J	1 U	0.5 J	35	0.28 J	NA	0.099 J	16000	0.89 J	1 U	2.3 U	15 UJ	1 U	DMETAL
B150	04/02/2013	50 U	1 U	1 U	44	1 U	NA	1 U	18000	1.6	1 U	9.8	50 U	0.17 J	DMETAL
B150	04/01/2014	50 U	1	0.52 J	39	4.3 U	NA	1.3 U	15000	1.6	1 U	1 U	71 U	1 U	DMETAL
B158	09/08/2010	590	1 U	6.3	13	0.5 U	64 J	1 U	4200	2.8	0.5 U	1.4 J	500	2 U	METAL
B158	04/15/2011	120 J	0.3 J	4.5	6	1 UJ	NA	2 U	3600	1.3	1 U	6.8	66	0.47 J	DMETAL
B158	10/05/2011	99 J	0.82 J	6.2	4.4 J	1 U	NA	1 U	3200	2	0.22 J	0.94 J	50 UJ	1 U	DMETAL
B158	04/06/2012	21 UJ	1 U	4.9	7.4	0.57 J	NA	0.35 UJ	4000	2.1	1 U	2.3 U	50 U	1 U	DMETAL
B158	04/08/2013	15 J	1 U	4.6	8.5	1 U	NA	1 U	2400	2	1 U	2.3 U	25 J	1 U	DMETAL
B158	04/02/2014	79 J	1 U	4.6	8.9	1 U	NA	1 U	3200	1.9	1 U	3.4 U	65 J	1 U	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Analysis Group
B163	09/02/2010	44	1 U	1.6	17	0.5 U	240	5.2	260000	5 U	6	2.5	70 J	2 U	METAL
B163	04/12/2011	58	0.17 J	0.74 J	13	1 U	NA	6.2	240000	0.23 J	4.8	1 U	89 UJ	1 U	METAL
B163	04/12/2011	50 U	0.18 J	1.3	12	1 U	NA	5.5	230000	0.14 J	4.6	0.35 J	50 U	0.38 J	DMETAL
B163	10/03/2011	50 U	0.17 J	4.2	13	1 U	NA	5.2	290000	0.34 UJ	4.6	1.6 U	45 J	1 U	DMETAL
B163	10/03/2011	72	0.18 J	1.2	13 J	1 U	NA	5.9 J	300000	1 U	4.8	1.6 U	91	1 U	METAL
B163	04/02/2012	33 J	0.63 UJ	2.3 UJ	12	1 U	NA	6.2	240000	1 U	4.2	2.3 U	71	1 U	DMETAL
B163	04/02/2012	500	3.5	1.3	14 J	0.8 J	NA	7	240000	0.92 J	5	2.3 U	570	1 U	METAL
B163	04/03/2013	13 J	0.38 UJ	1.8	12 J	1 U	NA	5.2	220000	1	4.7	2.3 U	5000 U	1 U	DMETAL
B163	04/01/2014	50 U	3.3	1.3	14	4.3 U	NA	5.4	270000	1 U	4.9	1 U	71 U	1 U	DMETAL
B175S	09/03/2010	17 J	1 U	1.6	56	0.5 U	97 J	1 U	53000	0.81 J	0.36 J	1.4 J	100 U	2 U	METAL
B175S	04/13/2011	50 U	1 U	0.69 J	33	1 U	NA	0.43 J	38000	0.8 J	1 U	1 UJ	50 U	0.4 J	DMETAL
B175S	10/04/2011	50 U	0.12 J	7	55	1 U	NA	1 U	46000	1.4	1 U	1.6 U	100 U	1 U	DMETAL
B175S	04/04/2012	50 U	0.36 J	1.5	43	1 U	NA	1 U	42000	0.29 J	1 U	2.3 U	50 U	1 U	DMETAL
B175S	04/02/2013	7.3 J	1 U	0.81 J	57	1 U	NA	1 U	55000	0.48 J	1 U	2.3 U	50 U	1 U	DMETAL
B175S	04/01/2014	50 U	1 U	1.1	62	4.3 U	NA	1.3 U	63000	0.77 J	1 U	1 U	71 U	1 U	DMETAL
B175W	09/08/2010	99	1 U	1.7	26	0.5 U	130	1 U	17000	1.3	0.5 U	1 J	120	2 U	METAL
B175W	04/13/2011	50 U	0.18 J	2.1	11	1 U	NA	0.26 J	15000	0.43 J	1 U	4.7 J	50 U	0.54 J	DMETAL
B175W	10/04/2011	50 U	1 U	3	21	0.32 J	NA	1 U	18000	3.9	0.33 J	1.6 U	3400	1 U	DMETAL
B175W	04/04/2012	130	1 U	1.1	11 J	0.36 J	NA	1 U	12000	0.63 J	1 U	2.3 U	63 UJ	1 U	DMETAL
B177	09/23/2010	22	1 U	1.1	32	0.5 U	77 J	1 U	12000	0.91 J	0.5 U	1.7 J	100 U	2 U	METAL
B177	04/18/2011	9.9 J	0.41 J	0.48 J	63	1 UJ	NA	2 U	15000	0.55 J	1 U	2.6 J	50 UJ	0.41 J	DMETAL
B177	10/05/2011	50 UJ	1 U	0.83 J	37 J	1 UJ	NA	1 U	13000	0.61 J	1 U	1 U	50 UJ	1 U	DMETAL
B177	04/04/2012	9.2 J	1 U	0.49 J	71	1 U	NA	1 U	19000	1 U	1 U	2.3 U	50 U	1 U	DMETAL
B178	09/02/2010	20 U	1 U	1.8	25	0.5 U	130	1 U	170000	1 U	0.87	2.2	100 U	2 U	METAL
B178	04/15/2011	75 UJ	1.1 U	1.6 J	20	3.2 UJ	NA	2 U	170000	1.3 U	0.44 J	2.7	89 U	1.9 U	DMETAL
B178	10/04/2011	50 U	4.1	9.1	23	0.34 J	NA	1 U	170000	1 U	1 U	1.6 U	100 U	1 U	DMETAL
B178	04/03/2012	20 J	0.21 UJ	3.2 UJ	25 J	1 U	NA	0.51 J	150000	1 U	0.29 J	2.3 U	180 U	1 U	DMETAL
B178	04/02/2013	50 U	1 U	0.87 J	22	0.18 J	NA	1 U	150000	0.31 J	2.3	2.3 U	280	1 U	DMETAL
B178	04/08/2014	50 U	2.6	4.9	23	1 U	NA	1 U	180000	1 U	1.5	3.4 U	1100 J	1 U	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Analysis Group
B180	09/15/2010	380	1 U	3.8	22	0.5 U	74 J	1 U	5600	2.9	0.5	3.6	400	2 U	METAL
B180	04/13/2011	50 UJ	0.22 J	2.9	6.5	1 U	NA	0.46 J	5500	2.9	1 U	36 J	50 U	2.7	DMETAL
B180	10/06/2011	58	0.34 UJ	3.2	17	1 U	NA	1 U	4900 J	3.1	1 U	1 U	50 U	1 U	DMETAL
B180	10/06/2011	50 U	0.63 UJ	3.6	16	1 U	NA	1 U	5200 J	3	1 U	1 U	50 U	1 U	DMETAL
B180	04/04/2012	50 U	0.31 J	3.6	6.4	1 U	NA	1 U	4900	1.2	1 U	2.3 U	50 U	1 U	DMETAL
B185	09/02/2010	10 J	1 U	1.7	15	0.5 U	120	1 U	160000	0.57 J	0.63	1.6 J	100 U	2 U	METAL
B185	04/15/2011	75 UJ	1.1 U	1.1 J	13	3.2 UJ	NA	2 U	150000	0.39 J	1 U	6.4	16 J	1.9 U	DMETAL
B185	04/15/2011	75 UJ	1.1 U	0.8 J	14	3.2 UJ	NA	2 U	160000	0.22 J	0.18 J	4.3	34 J	1.9 U	DMETAL
B185	10/03/2011	50 U	1 U	3	14	1 U	NA	0.25 J	170000	0.74 UJ	0.14 J	1.9 J	50 U	1 U	DMETAL
B185	10/03/2011	50 U	0.13 J	2.7	14	1 U	NA	0.14 J	170000	0.75 UJ	0.18 J	1.6 U	500 U	1 U	DMETAL
B185	04/02/2012	14 J	0.18 UJ	2 UJ	19	1 U	NA	0.48 J	150000	0.44 J	1 U	2.3 U	71	1 U	DMETAL
B194	09/09/2010	64	1 U	2.6	55	0.5 U	160	1 U	55000	0.97 J	0.42 J	1.7 J	84 J	2 U	METAL
B194	04/13/2011	50 U	0.19 J	1.8	100	1 U	NA	1.2	51000	0.99 J	1 U	1.5 J	50 U	0.41 J	DMETAL
B194	10/04/2011	50 U	0.21 J	2.7	110	0.11 J	NA	1 U	52000	0.99 J	0.11 J	1.6 U	100 U	1 U	DMETAL
B194	04/04/2012	50 U	0.23 J	0.87 J	95	1 U	NA	1 U	48000	0.65 J	1 U	2.3 U	50 U	1 U	DMETAL
B195	09/09/2010	53	1 U	2	34	0.5 U	110	1 U	150000	0.73 J	0.45 J	1.8 J	73 J	2 U	METAL
B195	04/13/2011	50 U	0.21 J	1.5	18	1 U	NA	0.28 J	51000	0.78 J	1 U	75 J	50 U	4.6	DMETAL
B195	04/13/2011	64	0.19 J	0.77 J	20	1 U	NA	0.28 J	55000	0.8 J	0.13 J	1 U	50 UJ	1 U	METAL
B195	04/13/2011	68	0.17 J	1.6 J	20	1 U	NA	0.27 J	55000	0.82 J	1 U	1 U	50 UJ	1 U	METAL
B195	04/13/2011	50 U	0.2 J	1.3	17	1 U	NA	0.21 J	49000	0.62 J	1 U	7.5 J	50 U	0.83 J	DMETAL
B195	10/04/2011	44 J	1 U	1.4	52	1 U	NA	1 U	180000	1 U	1 U	1.6 U	41 J	1 U	METAL
B195	10/04/2011	50 U	0.72 J	2.9	47	0.2 J	NA	0.4 J	160000	1.2	0.19 J	1.6 U	100 U	1 U	DMETAL
B195	04/03/2012	50 U	1 U	1.3 UJ	19	1 U	NA	0.16 J	68000	1.2	1 U	1.6 J	50 U	1 U	DMETAL
B195	04/03/2012	7.9 J	1 U	1.4 UJ	16	1 U	NA	1 U	61000	0.68 J	0.1 J	2.3 U	180 U	1 U	METAL
B195	04/02/2013	12 J	8.1	2.2	35	1 U	NA	1 U	97000	0.66 J	1 U	0.8 J	19 UJ	1 U	DMETAL
B195	04/02/2013	11 J	0.64 J	0.97 J	32	1 U	NA	1 U	95000	0.46 J	1 U	5.4	50 U	1 U	DMETAL
B195	04/02/2014	17 J	1 U	1.2	21	1 U	NA	1 U	110000	0.62 J	1 U	1.5 J	45 J	0.11 J	DMETAL
B195	04/02/2014	14 J	1.2	1.3	20	1 U	NA	1 U	110000	0.61 J	1 U	3.4 U	53 J	0.1 J	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Analysis Group
B197	09/09/2010	17 J	1 U	1.8	26	0.5 U	98 J	1 U	140000	1.1	0.3 J	1.7 J	100 U	2 U	METAL
B197	09/09/2010	20 U	1 U	1.8	25	0.5 U	93 J	1 U	140000	1.2	0.29 J	1.6 J	100 U	2 U	METAL
B197	04/13/2011	50 U	0.17 J	2	28	1 U	NA	1 U	160000	1 U	1.6	1 UJ	50 U	0.31 J	DMETAL
B197	10/04/2011	50 U	0.42 J	4.5	22	0.11 J	NA	0.24 J	140000	0.97 J	0.81 J	1.6 U	1300	1 U	DMETAL
B197	04/03/2012	50 U	1 U	10	35	1 U	NA	1 U	180000	1 U	1	1.2 J	980	1 U	DMETAL
B197	04/03/2012	50 U	1 U	9	33	1 U	NA	1 U	180000	1 U	0.97 J	1.3 J	920	1 U	DMETAL
B197R	04/08/2013	22 J	1 U	1.8	20	1 U	NA	1 U	150000	0.79 J	1 U	0.81 J	17 J	0.29 J	DMETAL
B197R	04/08/2014	50 U	0.82 J	10	61	1 U	NA	1 U	220000	1 U	1.3	3.4 U	2500 J	1 U	DMETAL
B277	09/15/2010	35	1 U	1.9	34	0.5 U	110	1 U	54000	1.8	0.5 U	2 U	100 U	2 U	METAL
B277	04/18/2011	50 U	1 U	2.2	73	1 UJ	NA	2 U	57000	1.8	1 U	3.3 J	50 UJ	0.54 J	DMETAL
B277	10/05/2011	50 U	0.13 J	0.52 J	61	1 UJ	NA	1 U	54000	0.31 J	1 U	1 U	50 U	1 U	DMETAL
B277	04/03/2012	50 U	0.32 UJ	1.9 UJ	61	1 U	NA	0.34 J	56000	1.5	1 U	2.3 U	50 U	1 U	DMETAL
B278	09/16/2010	23 J	1 U	2	56	0.5 U	140	1 U	280000	1.6	0.57	1.8 J	100 U	2 U	METAL
B278	04/19/2011	50 U	0.78 J	1.5 J	59	1 U	NA	2 U	230000	1.4	1 U	1.1 J	89 UJ	0.94 J	DMETAL
B278	10/05/2011	50 U	1 U	1 U	51	1 U	NA	1 U	260000	0.49 J	1 U	1 U	50 U	1 U	DMETAL
B278	04/05/2012	50 U	1 U	2	62	1 U	NA	1 U	270000	1.4	1 U	2.3 U	50 U	1 U	DMETAL
B280A	09/16/2010	20 U	1 U	1.4	66	0.5 U	94 J	1 U	68000	0.93 J	0.5 U	1.1 J	100 U	2 U	METAL
B280A	04/14/2011	75 U	1.1 U	1 J	84	1 UJ	NA	2 U	50000	0.25 J	1 U	1.9 J	24 J	1.9 U	DMETAL
B280A	10/06/2011	50 U	0.42 UJ	0.55 J	110	1 U	NA	0.33 J	57000 J	0.54 J	1 U	0.52 J	120	1 U	DMETAL
B280A	04/03/2012	50 U	1 U	1.7	110	1 U	NA	1 U	64000	0.53 J	1 U	2.3 U	50 U	1 U	DMETAL
B280B	10/01/2010	19 J	1 U	3.4	8	0.5 U	280	1 U	51000	1.5	0.5 U	2 U	100 U	2 U	METAL
B280B	04/14/2011	50 U	1.1 U	1.7 J	6.4	1 UJ	NA	2 U	53000	2.1	1 U	5.8	23 J	1.9 U	DMETAL
B280B	10/06/2011	50 U	0.33 UJ	2.8	6.5	1 U	NA	1 U	52000 J	1 U	1 U	1 U	50 U	1 U	DMETAL
B280B	04/03/2012	11 J	0.2 UJ	3.3 UJ	5.2	1 U	NA	1 U	55000	1.3	1 U	0.87 J	50 U	1 U	DMETAL
B300	09/09/2010	23	1 U	2	90	0.5 U	150	1 U	150000	1.7	0.48 J	1.3 J	100 U	2 U	METAL
B300	04/15/2011	50 UJ	1 U	1.4 J	250	1 UJ	NA	2 U	280000	1 U	8.9	6	1200	0.5 J	DMETAL
B300	10/06/2011	2000 U	5 UJ	26 U	23	20 U	NA	20 U	18000 J	20 U	20 U	21 U	2000 U	20 U	DMETAL
B300	04/09/2012	50 U	1 U	2.3	150	1 U	NA	0.11 J	210000	1 U	2.1	2.3 U	4600	1 U	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Analysis Group
B38	09/15/2010	44	1 U	1.2	50	0.5 U	150	1 U	31000	2.3	0.5 U	3.3	72 J	2 U	METAL
B38	04/19/2011	50 U	0.22 J	1 J	47	1 U	NA	2 U	24000	0.93 J	1 U	2.2	89 U	0.57 J	DMETAL
B38	04/19/2011	50 U	0.3 J	1.3 J	51	1 U	NA	2 U	26000	1.3	1 U	65	89 U	3.6	DMETAL
B38	10/06/2011	50 U	0.33 UJ	1.5	40	1 U	NA	0.32 J	14000 J	0.14 J	1 U	1 U	150	1 U	DMETAL
B38	04/04/2012	14 J	1 U	0.99 J	37	1 U	NA	1 U	18000	0.6 J	1 U	2 J	19 UJ	1 U	DMETAL
B450	04/19/2011	50 U	2.6	1.7 J	50	0.4 J	NA	2 U	59000	1 J	1 U	1.8 J	89 U	0.43 J	DMETAL
B450	04/19/2011	110	1.2	2.3	53	1 U	NA	2 U	65000	2	1 U	2.2 U	180	1.9 U	METAL
B450	10/10/2011	50 U	1.1	1	71	1 U	NA	0.21 J	36000	0.85 J	1 U	1 U	50 U	1 U	DMETAL
B450	04/06/2012	6.8 UJ	3.3	1.8	78	0.38 J	NA	1 U	73000	0.94 J	1 U	1 J	50 U	1 U	DMETAL
B450	04/03/2013	50 U	0.23 UJ	1.3	50	1 U	NA	1 U	46000	0.51 J	1 U	2.3 U	50 U	0.17 J	DMETAL
B450	04/03/2014	50 U	0.19 J	1.5	120	1 U	NA	1 U	80000	0.74 J	1 U	1 U	63 U	1 U	DMETAL
B460	09/15/2010	160	1 U	3.2	13	0.5 U	82 J	1 U	31000	0.53 J	1.2	1.9 J	280	2 U	METAL
B460	04/20/2011	75 U	0.38 J	2.4	8.8 J	3.2 U	NA	2 U	43000	1.3 U	1 U	21	89 U	0.96 J	DMETAL
B460	10/07/2011	50 U	0.39 J	3.4	8.4	1 U	NA	0.31 J	40000	0.38 J	0.46 J	1 U	210	1 U	DMETAL
B460	04/06/2012	8.5 UJ	0.18 J	2.7	5.4	1 U	NA	1 U	30000	0.67 J	1 U	2.3 U	50 U	1 U	DMETAL
B473	09/24/2010	180	1 U	2	64	0.5 U	140	1 U	25000	3.9	0.31 J	4.7	330	2 U	METAL
B473	04/20/2011	75 U	1.1 U	2.2	22 J	3.2 U	NA	2 U	44000	1.6	1 U	9.1	89 UJ	0.8 J	DMETAL
B473	10/07/2011	50 U	0.35 J	1.9	19	1 U	NA	1 U	19000	1.3	1 U	1 U	50 U	1 U	DMETAL
B473	04/06/2012	14 UJ	0.4 J	2.3	12	0.32 J	NA	0.18 UJ	17000	1.4	1 U	0.97 J	50 U	1 U	DMETAL
B474	09/23/2010	450	1 U	9.8	25	0.5 U	200	1 U	24000	1.7	1.6	2	1400	2 U	METAL
B474	04/20/2011	75 U	1.1 U	3.9	6.2 J	3.2 U	NA	2 U	35000	1.3 U	1 U	5.1	89 U	1.9 U	DMETAL
B474	04/20/2011	31 J	0.45 J	4.3	7.4	3.2 U	NA	2 U	35000	1.3 U	1 U	4.7	89 UJ	1.9 U	METAL
B474	10/07/2011	50 U	1.7	1.6	8.1	1 U	NA	1 U	12000	1.7	1 U	12	240	0.72 J	DMETAL
B474	10/07/2011	240	1.5	2.8	36	0.69 J	NA	1 U	17000	1.2	1.2	21	990	7.3	METAL
B474	04/09/2012	50 U	0.49 J	2.7	46	1 U	NA	0.42 J	32000	0.74 J	0.96 J	2.3 U	47 J	1 U	DMETAL
B474	04/09/2012	67	3.1	2.6	34	1 U	NA	0.57 J	28000	0.84 J	0.89 J	6.8	150	0.97 J	METAL
B474	04/03/2013	40 J	2.8	3.4	52	1 U	NA	1 U	21000	1 U	0.59 J	4.4	92	0.16 J	DMETAL
B474	04/03/2014	15 J	1.2	2.2	74	1 U	NA	1 U	34000	1.5	0.56 J	22	40 J	2.2	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Analysis Group
B480	09/24/2010	22	1 U	6.5	41	0.5 U	110	1 U	53000	0.68 J	1.5	2 U	420	2 U	METAL
B480	04/19/2011	32 J	1 J	3.1	42	1 U	NA	2 U	51000	1.2 J	1 U	7.8	89 U	0.54 J	DMETAL
B480	10/07/2011	50 U	0.52 J	2.6	39	1 U	NA	0.81 J	34000	0.34 J	0.2 J	0.28 J	50 U	1 U	DMETAL
B480	04/09/2012	50 U	0.23 J	2.8	75	1 U	NA	0.65 J	51000	1.8	1 U	2.3 U	50 U	1 U	DMETAL
B480	04/03/2013	8.1 J	0.41 UJ	2.5	93	1 U	NA	1 U	50000	1.3	1 U	2.3 U	50 U	1 U	DMETAL
B480	04/03/2014	50 U	0.25 J	3	130	1 U	NA	1 U	54000	1.8	0.24 J	3.4 U	63 U	1 U	DMETAL
B490	09/16/2010	21	1 U	2.2	53	0.5 U	130	1 U	52000	2.6	0.5 U	1.1 J	100 U	2 U	METAL
B490	04/20/2011	75 U	1.1 U	1.6 J	79 J	3.2 U	NA	2 U	52000	4.4	1 U	11	89 U	1.5 J	DMETAL
B490	10/10/2011	50 U	5 U	1.8	90	1 U	NA	1 U	45000	2.7	1 U	5.2 U	50 U	0.37 J	DMETAL
B490	04/09/2012	50 U	2.8	2.4	93	1 U	NA	1 U	46000	3.2	1 U	2.3 U	37 J	1 U	DMETAL
BULB1	10/19/2010	70	10 U	17	230	1 U	1700	10 U	370000	2.1	18	6.6	100	20 U	METAL
BULB1	04/12/2011	50 UJ	1.4	12	110	1 U	NA	1 U	330000	0.13 J	2.3	14 J	50 UJ	0.91 J	DMETAL
BULB1	04/12/2011	140	0.24 J	12 J	140	1 U	NA	0.99 J	420000	0.99 J	4.7 J	1 U	660	0.47 J	METAL
BULB1	09/30/2011	81	0.45 J	9.7	170 J	1 U	NA	1 U	440000	1 U	0.24 J	1.6 U	340 J	13	METAL
BULB1	09/30/2011	50 U	0.31 J	12	150	1 U	NA	0.09 J	380000	1.2 UJ	1.3	1.6 U	50 U	1 U	DMETAL
BULB1	04/05/2012	17 J	1.2	9	120	0.25 J	NA	0.2 J	320000	0.49 J	0.52 J	2.3 U	320	1 U	DMETAL
BULB1	04/05/2012	34 UJ	3.2	9.3	120	0.22 J	NA	0.31 UJ	290000	2.5	0.38 J	2.3 U	380	1 U	METAL
BULB1	04/05/2013	14 J	0.36 J	5.9	110	1 U	NA	0.39 J	310000	0.17 J	1 U	1.3 J	220	1 U	DMETAL
BULB1	04/10/2014	50 U	2.4	8.6	120	1 U	NA	1 U	380000	0.28 J	0.23 J	3.4 U	600	0.12 J	DMETAL
BULB2	10/19/2010	770	1 U	8.9	540	0.5 U	850	1 U	130000	3	8.1	5.6 J	2800	3.9	METAL
BULB2	04/12/2011	50 UJ	2.5	3	55	1 U	NA	0.55 J	19000	0.23 J	1.1	28 J	50 UJ	1.3	DMETAL
BULB2	04/12/2011	240	1.8	5 J	230	1 U	NA	1.4	75000	1.4	4.3	0.94 J	1500	0.71 J	METAL
BULB2	09/30/2011	220	0.52 J	2.6	66 J	1 U	NA	0.14 J	31000	1 U	1.4	1.6 U	880 J	0.67 J	METAL
BULB2	09/30/2011	50 U	0.13 J	3.8	53	1 U	NA	1 U	31000	1.8 UJ	1.1	1.6 U	1200	0.18 J	DMETAL
BULB2	04/05/2012	17 J	0.21 J	3.1	370 J	1 U	NA	1 U	180000 J	0.56 J	1.8	1.7 J	3100 J	1 U	DMETAL
BULB2	04/05/2012	40 UJ	0.38 J	3.4	370 J	0.21 J	NA	0.54 UJ	180000	0.34 J	1.7	5.2	3100	0.91 J	METAL
BULB2	04/05/2013	12 J	1 U	2	65	1 U	NA	1 U	41000	1 U	1.3	2.3 U	220	1 U	DMETAL
BULB2	04/10/2014	50 U	1 U	2.4	74	4.3 U	NA	1.3 U	43000	0.2 J	1.4	1 U	520	0.14 J	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Analysis Group
CCC1	09/08/2010	72	1 U	3	6.3	0.5 U	91 J	1 U	27000	0.84 J	0.5 U	1.5 J	88 J	2 U	METAL
CCC1	04/14/2011	75 U	1.2	2.4	6.4	3.2 UJ	NA	2 U	34000	1.9	1 U	4.6	43 J	1.9 U	DMETAL
CCC1	10/05/2011	50 U	1 U	0.45 J	3.2	1 UJ	NA	1 U	37000	1 U	1 U	1 U	50 U	1 U	DMETAL
CCC1	04/10/2012	50 U	1 U	2.5	6.8	1 U	NA	0.27 J	44000	0.34 J	1 U	2.3 U	50 U	1 U	DMETAL
CCC2	09/08/2010	20 U	1 U	2.3	24	0.5 U	140	1 U	48000	32	0.5 U	1.5 J	100 U	2 U	METAL
CCC2	04/14/2011	75 U	0.51 J	0.85 J	36	3.2 UJ	NA	2 U	210000	2.1	1 U	20	47 J	2.6	DMETAL
CCC2	04/14/2011	17 J	1 U	0.96 J	39	1 U	NA	0.66 J	210000	2.3	1 U	1 U	50 UJ	1 U	METAL
CCC2	10/04/2011	50 U	0.54 J	3.6	21	1 U	NA	1 U	65000	13	0.25 J	1.6 U	540	1 U	DMETAL
CCC2	10/04/2011	130	4	1.8	19	1 U	NA	0.13 J	62000	12	1 U	1.6 U	140	0.3 J	METAL
CCC2	04/10/2012	50 U	1 U	1.2	35	1 U	NA	0.34 J	120000	4.5	1 U	2.3 U	12 J	1 U	DMETAL
CCC2	04/10/2012	50 U	0.2 J	1.1	29	1 U	NA	0.24 J	96000	9.4	1 U	2.3 U	17 J	1 U	METAL
CCC2	04/02/2013	50 U	0.29 J	0.9 J	23	1 U	NA	1 U	66000	18	1 U	2.3 U	50 U	1 U	DMETAL
CCC2	04/02/2013	50 U	1 U	0.86 J	21	1 U	NA	1 U	63000	16	1 U	2.3 U	50 U	1 U	DMETAL
CCC2	04/02/2014	50 U	0.51 J	1.3	23	1 U	NA	1 U	59000	28	1 U	3.4 U	63 U	1 U	DMETAL
CCC3	09/03/2010	390	1 U	5.9	27	0.5 U	190	1 U	68000	2.8	2.1	2.4	550	2 U	METAL
CCC3	09/03/2010	29	1 U	4.6	22	0.5 U	130	1 U	64000	1.1	1.8	1.3 J	91 J	2 U	METAL
CCC3	04/12/2011	50 U	0.19 J	2.9	9.6	1 U	NA	1 U	45000	0.86 J	1 U	12 J	50 U	0.55 J	DMETAL
CCC3	10/04/2011	50 U	0.45 J	6.7	18	1 U	NA	1 U	61000	1 U	0.48 J	1.6 U	100 U	1 U	DMETAL
CCC3	10/04/2011	50 U	0.15 J	2.4	17	1 U	NA	1 U	59000	0.67 J	0.68 J	1.6 U	100 U	1 U	DMETAL
CCC3	04/10/2012	50 U	1 U	4.4	13	1 U	NA	1 U	61000	0.28 J	0.73 J	2.3 U	14 J	1 U	DMETAL
CCC3	04/02/2013	100	1.8	2	13	1 U	NA	1 U	55000	0.46 J	1 U	0.83 J	63	0.35 J	DMETAL
CCC3	04/02/2014	50 U	1 U	2.6	14	1 U	NA	1 U	61000	1 U	0.2 J	3.4 U	32 J	1 U	DMETAL
CCCT	09/03/2010	55	1 U	3.9	28	0.5 U	210	1 U	100000	1 U	2	1.8 J	260	2 U	METAL
CCCT	04/18/2011	50 U	0.6 J	1.7 J	24	1 UJ	NA	2 U	100000	1.3 U	1 U	12 J	50 UJ	0.69 J	DMETAL
CCCT	10/03/2011	50 U	0.11 J	3.5	22	1 U	NA	1 U	98000	0.53 UJ	0.44 J	1.6 U	98	1 U	DMETAL
CCCT	04/04/2012	50 U	1.4	2.6	24	1 U	NA	1 U	110000	1 U	0.26 J	2.3 U	70 UJ	1 U	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Analysis Group
CTP	09/30/2010	23	1 U	2.6	38	0.5 U	120	1 U	50000	1.1	0.54	2 U	150	2 U	METAL
CTP	09/30/2010	17 J	1 U	2.5	39	0.5 U	110	1 U	50000	1.1	0.52	2 U	140	2 U	METAL
CTP	04/14/2011	75 U	1.1 U	1.3 J	55	1 UJ	NA	9.3	50000	0.47 J	0.61 J	5.4	44 J	1.9 U	DMETAL
CTP	10/06/2011	50 U	0.32 UJ	0.81 J	65	1 U	NA	0.52 J	47000 J	0.45 J	1 U	1 U	50 U	1 U	DMETAL
CTP	04/03/2012	50 U	0.27 UJ	2.1 UJ	57	1 U	NA	0.62 J	57000	1	1 U	2.3 U	50 U	1 U	DMETAL
CTP	04/04/2013	50 U	1 U	0.81 J	66	1 U	NA	1	57000	0.34 J	0.22 J	2.3 U	19 UJ	0.12 UJ	DMETAL
CTP	04/03/2014	50 U	0.12 J	0.92 J	85	1 U	NA	2	62000	1.4	0.2 J	3.4 U	25 J	1 U	DMETAL
CTP	04/03/2014	50 U	0.13 J	0.98 J	81	1 U	NA	2.1	61000	1.4	0.23 J	3.4 U	63 U	1 U	DMETAL
CTPS	09/30/2010	36	1 U	3.6	82	0.5 U	260	1 U	130000	1.4	1.6	1.8 J	240	2 U	METAL
CTPS	04/19/2011	50 U	0.39 J	0.96 J	13	0.14 J	NA	2 U	47000	1.3 U	1 U	5	89 U	1.1	DMETAL
CTPS	10/07/2011	50 U	0.52 J	1.5	20	1 U	NA	0.82 J	55000	1 U	1 U	1 U	50 U	1 U	DMETAL
CTPS	04/05/2012	50 U	1 U	1.1	17	0.26 J	NA	1 U	36000	0.37 J	1 U	1.2 J	50 U	1 U	DMETAL
DH	09/30/2010	20 U	1 U	3.5	41	0.5 U	320	0.75 J	530000	1 U	1.2	2.8	100 U	2 U	METAL
DH	04/14/2011	75 U	1.1 U	1.3 J	89	1 UJ	NA	1.9 J	590000	0.28 J	0.33 J	3.5	89 U	1.9 U	DMETAL
DH	10/05/2011	50 U	0.18 J	1.6	100	1 UJ	NA	1 U	810000	1 U	2.7	53	50 U	1.3	DMETAL
DH	04/06/2012	34 UJ	0.21 J	18	88	1 U	NA	0.46 UJ	510000	1.5	12	2.3 U	10000	1 U	DMETAL
DHR	04/04/2013	50 U	1 U	2.4	46	1 U	NA	0.43 J	690000	1 U	1.1	17	50 U	1 U	DMETAL
DHR	04/10/2014	50 U	0.32 J	2.6	82	1 U	NA	0.28 J	860000	1 U	3.9	3.4 U	330	1 U	DMETAL
EERC	10/01/2010	10 J	1 U	11	39	0.5 U	480	1 U	450000	1 U	11	2.9	840	2 U	METAL
EERC	04/20/2011	75 U	1.1 U	2.9	19 J	3.2 U	NA	2 U	420000	1.3 U	0.54 J	6.2	89 U	1.9 U	DMETAL
EERC	04/20/2011	75 U	0.52 J	1.7 J	22	3.2 U	NA	2 U	460000	1.3 U	0.37 J	0.96 J	89 UJ	1.9 U	METAL
EERC	10/07/2011	50 U	0.56 J	3.1	20	1 U	NA	1 U	350000	1 U	5.1	1 U	32 J	1 U	DMETAL
EERC	10/07/2011	420	0.87 J	5.2	27	0.16 J	NA	0.29 J	350000	0.81 J	5.6	2.4	1000	0.41 J	METAL
EERC	04/06/2012	7 UJ	0.34 J	2.6	23	0.28 J	NA	1 U	330000	0.62 J	1 U	0.86 J	50 U	1 U	DMETAL
EERC	04/06/2012	19 J	2.9	2.4	25	1 U	NA	0.13 J	320000	0.74 J	1 U	0.96 J	36 UJ	1 U	METAL
EERC	04/08/2013	6.5 J	1 U	5.2	26	1 U	NA	1 U	420000	1 U	6.3	2.3 U	380	1 U	DMETAL
EERC	04/03/2014	50 U	0.25 J	4.2	28	1 U	NA	1 U	440000	0.19 J	3.3	3.4 U	980	1 U	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Analysis Group
EPA	09/16/2010	130	1 U	3.2	50	0.5 U	190	1 U	88000	2.1	0.74	2.7	230	2 U	METAL
EPA	04/19/2011	50 U	0.48 J	1.6 J	42	0.14 J	NA	2 U	120000	1.4	1 U	2.1 J	89 U	0.57 J	DMETAL
EPA	10/06/2011	50 U	0.41 UJ	2.3	38	1 U	NA	0.3 J	89000 J	1 U	1 U	7.5	50 U	1 U	DMETAL
EPA	04/06/2012	50 U	1 U	1.9	45	1 U	NA	1 U	100000	1 U	0.44 J	2.3 U	66 UJ	1 U	DMETAL
EPA	04/06/2012	50 U	1 U	1.8	51	0.44 J	NA	1 U	120000	0.86 J	0.91 J	1.2 J	50 U	1 U	DMETAL
ETA	09/24/2010	1600	1 U	22	39	0.5 U	150	0.93 J	110000	5.8	3.8	22	3300	9.8	METAL
ETA	09/24/2010	630	1 U	13	28	0.5 U	140	1 U	110000	2.6	2.4	8	1800	3.2	METAL
ETA	04/12/2011	50 U	0.26 J	7.4	18	1 U	NA	0.37 J	120000	0.093 J	1.3	2.1 J	120	0.36 J	DMETAL
ETA	04/12/2011	870	0.56 J	17 J	34	1 U	NA	2.4	120000	3.1	2.4	8.3	2100	4.1	METAL
ETA	09/30/2011	50 U	0.38 J	5.3	16	1 U	NA	0.28 J	99000	0.75 UJ	3	1.6 U	380	1 U	DMETAL
ETA	09/30/2011	430	1.3	5.9	21 J	1 U	NA	0.46 J	96000	0.69 J	3.4	2.9	1900 J	2.4	METAL
ETA	04/10/2012	140	0.4 J	5.7	21	0.64 J	NA	0.7 J	120000	0.4 J	2.7	2.9	930	0.94 J	METAL
ETA	04/10/2012	50 U	1 U	5.5	20	1 U	NA	0.45 J	150000	0.23 J	2.4	2.3 U	410	1 U	DMETAL
ETA	04/10/2012	120	0.37 J	5.3	20	1 U	NA	0.47 J	110000	0.35 J	2.7	2.6	880	0.56 J	METAL
ETA	04/10/2012	50 U	1 U	5.9	20	1 U	NA	0.73 J	140000	0.23 J	2.2	2.3 U	390	1 U	DMETAL
ETA	04/05/2013	50 U	1 U	3.3	17 J	1 U	NA	1 U	100000	1 U	2.6	2.3 U	930	1 U	DMETAL
ETA	04/08/2014	56	0.15 J	4.4	24	1 U	NA	1 U	130000	1 U	3.7	3.4 U	1000 J	0.29 J	DMETAL
EXT	09/30/2011	50 U	0.32 J	0.46 J	55	1 U	NA	1 U	14000	0.72 UJ	1 U	1.6 U	50 U	1 U	DMETAL
EXT	09/30/2011	50 U	1 U	0.32 J	54	1 U	NA	1 U	12000	1 U	1 U	1 U	100	1 U	METAL
FG	09/23/2010	30000	1 U	9.7	190	2.6	120	1.9	120000	50	49	56	34000	33	METAL
FG	04/19/2011	1500	0.63 J	2.2	33	0.31 J	NA	2 U	34000	3.8	0.98 J	2.5	1600	0.87 J	METAL
FG	04/19/2011	50 U	0.47 J	1.2 J	21	0.25 J	NA	2 U	33000	1.3 U	1 U	24	89 U	2.8	DMETAL
FG	04/19/2011	50 U	0.4 J	1.2 J	21	0.14 J	NA	2 U	33000	0.61 J	1 U	35	89 U	2.2	DMETAL
FG	04/19/2011	760	0.58 J	1.7 J	29	0.25 J	NA	2 U	34000	2.2	1.7	2.4	1100	0.72 J	METAL
FG	10/10/2011	50 U	0.35 UJ	1.4	23	1 U	NA	0.19 J	48000	1 U	1 U	5.2	50 U	0.2 J	DMETAL
FG	10/10/2011	75	0.22 J	1 J	29	1 U	NA	0.25 J	50000	0.61 J	1 U	0.71 J	180	0.17 J	METAL
FG	04/09/2012	50 U	1 U	1.4	15 J	1 U	NA	1 U	25000	0.48 J	1 U	2.3 U	35 J	1 U	DMETAL
FG	04/09/2012	150	1 U	1.4	16	1 U	NA	0.11 J	25000	0.73 J	0.24 J	1 J	200	1 U	METAL
FG	04/03/2013	77	6.4	1.1	24	1 U	NA	1 U	28000	1 U	1 U	2.3 U	22 J	1 U	DMETAL
FG	04/09/2014	50 U	2.7	1.3	19	1 U	NA	1 U	18000	0.37 J	0.15 J	2.3 J	58 UJ	1 U	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Analysis Group
GEO	09/03/2010	12 J	1 U	1.8	56	0.5 U	120	1 U	59000	1.6	0.5 U	1.1 J	100 U	2 U	METAL
GEO	04/20/2011	75 U	1.1 U	1.7 J	88 J	3.2 U	NA	2 U	69000	1.3 U	0.63 J	27	89 UJ	1.7 J	DMETAL
GEO	10/06/2011	50 U	0.27 UJ	2.5	67	1 U	NA	1 U	51000 J	1.7	1 U	1 U	50 U	1 U	DMETAL
GEO	04/06/2012	15 UJ	1 U	1.6	94	0.26 J	NA	0.17 UJ	67000	0.62 J	1 U	2.3 U	50 U	1 U	DMETAL
MFA	09/24/2010	160	1 U	2.3	33	0.5 U	140	1 U	75000	0.65 J	1.1	1.8 J	220	2 U	METAL
MFA	04/12/2011	50 UJ	0.98 J	1.4	28	1 U	NA	1 U	45000	0.28 J	0.81 J	9.5 J	50 U	0.62 J	DMETAL
MFA	10/03/2011	50 U	0.11 J	0.47 J	48	1 U	NA	0.15 J	74000	0.8 UJ	0.71 J	6.2	500 U	1 U	DMETAL
MFA	04/05/2012	50 U	0.79 J	2.3	31	1 U	NA	0.57 J	47000	1 U	0.92 J	1.6 J	5.8 UJ	1 U	DMETAL
MFA	04/08/2014	50 U	0.15 J	1.5	38	1 U	NA	1 U	72000	1 U	0.99 J	3.4 U	45 J	1 U	DMETAL
NRLF	09/16/2010	25	1 U	3.3	13	0.5 U	110	1 U	50000	1 U	0.57	2 U	300	2 U	METAL
NRLF	04/20/2011	75 U	0.41 J	5.2	15 J	3.2 U	NA	2 U	63000	1.3 U	0.86 J	82	150 UJ	4.1	DMETAL
NRLF	10/06/2011	50 U	0.38 UJ	1.4	30	1 U	NA	1 U	34000 J	1 U	1 U	1 U	50 U	1 U	DMETAL
NRLF	04/09/2012	50 U	0.61 J	2.9	58	1 U	NA	1 U	47000	1 U	0.64 J	2.3 U	180	1 U	DMETAL
NRLF	04/03/2013	50 U	1 U	7	60	1 U	NA	1 U	48000	1 U	0.37 J	2.3 U	3100	1 U	DMETAL
NRLF	04/09/2014	50 U	0.21 J	2	81	1 U	NA	1 U	50000	0.2 J	0.34 J	3.4 U	110 UJ	1 U	DMETAL
OBS6	09/30/2011	33 J	0.21 J	3.6	100	1 U	NA	1 U	40000	1.5 UJ	1 U	1.6 U	50 U	1 U	DMETAL
OBS6	09/30/2011	50 U	1 U	1.7	110	1 U	NA	1 U	37000	0.15 J	1 U	2.7	22 J	2.4	METAL
PZ11	10/01/2010	20 U	1 U	2.5	11	0.5 U	77 J	2.7	200000	1 U	1	22	100 U	2 U	METAL
PZ11	04/20/2011	1200	1.1 U	0.67 J	12 J	2.1 J	NA	30	240000	1 J	3.7	1200	89 UJ	2.6	DMETAL
PZ11	04/20/2011	1200	0.56 J	0.82 J	13	1.8 J	NA	35	260000	0.74 J	3.4	1300	95 UJ	0.67 J	METAL
PZ11	10/10/2011	50 U	0.17 J	1.4	10	1 U	NA	3.4	230000	1 U	1.3	34	38 J	1 U	METAL
PZ11	10/10/2011	50 U	0.37 UJ	1.6	10	1 U	NA	4.9	230000	1 U	1.2	12	50 U	1 U	DMETAL
PZ11	04/05/2012	740	0.18 J	0.5 J	10	0.98 J	NA	19	130000	68 U	1.4	770	50 U	1 U	METAL
PZ11	04/05/2012	600	1 U	1.1	11	1.1	NA	22	160000	1.9	1.5	800	17 UJ	1 U	DMETAL
PZ11	04/05/2013	32 J	5.3	1.1	15	1 U	NA	5.9	210000	1 U	3.3	21	83	1 U	DMETAL
PZ11	04/05/2013	34 J	1 U	1.2	14	1 U	NA	6.5	240000	1 U	3.6	23	67	1 U	DMETAL
PZ11	04/09/2014	50 U	0.36 J	1.6	22	1 U	NA	1 U	320000	1 U	5.7	2.7 J	400	1 U	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Analysis Group
PZ8	10/15/2010	68	1 U	1.6	96	0.5 U	97 J	1 U	44000	1.3	0.29 J	1.5 J	110	2 U	METAL
PZ8	04/18/2011	50 U	0.32 J	2	84	1 UJ	NA	2 U	40000	1.1 J	1 U	3.7 J	50 UJ	0.45 J	DMETAL
PZ8	10/04/2011	50 U	0.36 J	7.7	99	1 U	NA	1 U	44000	1.2	1 U	1.6 U	100 U	1 U	DMETAL
PZ8	04/03/2012	50 U	1 U	2.1 UJ	88	1 U	NA	0.48 J	44000	1	1 U	1.6 J	50 U	1 U	DMETAL
PZ8	04/08/2013	15 J	1 U	1.1	84	1 U	NA	1 U	45000	0.89 J	1 U	1.1 J	50 U	1 U	DMETAL
PZ8	04/08/2014	30 J	0.17 J	1.3	95	1 U	NA	1 U	53000	0.97 J	0.24 J	3.4 U	41 J	0.14 J	DMETAL
PZ9	09/24/2010	20 U	1 U	2.7	79	0.5 U	62 J	1 U	36000	1 U	0.29 J	2 U	100 U	2 U	METAL
PZ9	04/20/2011	75 U	1.1 U	1.9	84 J	3.2 U	NA	2 U	37000	1.3 U	0.8 J	5.8	89 UJ	1.9 U	DMETAL
PZ9	10/07/2011	50 U	0.4 J	2.3	67	1 U	NA	1 U	29000	1 U	1 U	1 U	50 U	1 U	DMETAL
PZ9	10/07/2011	50 U	0.45 J	3.2	66	1 U	NA	0.19 J	30000	1 U	0.17 J	1 U	50 U	1 U	DMETAL
PZ9	04/06/2012	26 UJ	0.32 J	3	130 J	1 U	NA	1 U	47000	1 U	1	2.3 U	92 UJ	1 U	DMETAL
RWF	09/15/2010	54	1 U	1.3	120	0.5 U	100	1 U	72000	1.6	0.5 U	1.6 J	83 J	2 U	METAL
RWF	04/18/2011	10 J	0.26 J	0.63 J	79	1 UJ	NA	2 U	72000	0.58 J	1 U	3.7 J	50 UJ	0.49 J	DMETAL
RWF	10/06/2011	50 U	0.43 UJ	1.3	120	1 U	NA	1 U	63000 J	0.78 J	1 U	1 U	50 U	1 U	DMETAL
RWF	04/04/2012	50 U	0.18 J	2.2	150	0.21 J	NA	1.1	71000	0.47 J	0.52 J	1 J	28 UJ	1 U	DMETAL
TP1	09/29/2010	22	1 U	1.9	29	0.5 U	90 J	1 U	67000	1 U	0.28 J	1.3 J	100 U	2 U	METAL
TP1	04/18/2011	50 U	0.24 J	2.2	42	1 UJ	NA	2 U	160000	1.3 U	1.3	7.8 J	310	0.55 J	DMETAL
TP1	10/07/2011	50 U	0.52 J	1.4	23	1 U	NA	1 U	59000	1 U	0.86 J	1 U	50 U	1 U	DMETAL
TP1	04/05/2012	50 U	1 U	8.4	54	1 U	NA	1 U	180000	1 U	6.5	1.1 J	1200	1 U	DMETAL
TP1	04/04/2013	12 J	1 U	1.5	30	1 U	NA	1 U	100000	1 U	0.22 J	2.3 U	1500	1 U	DMETAL
TP1	04/02/2014	50 U	1 U	11	35	1 U	NA	1 U	160000	0.17 J	2.3	3.4 U	3000	1 U	DMETAL
TP2	09/29/2010	90	1 U	1.3	110	0.5 U	110	1 U	87000	1.9	0.39 J	2 U	150	2 U	METAL
TP2	04/18/2011	50 U	0.22 J	0.74 J	97	1 UJ	NA	2 U	75000	1.2 J	1 U	2.2 UJ	50 UJ	0.16 J	DMETAL
TP2	10/07/2011	50 U	1	2.4	81	1 U	NA	0.38 J	76000	0.7 J	1 U	1 U	50 U	0.27 J	DMETAL
TP2	04/09/2012	50 U	0.28 J	1.3	89	1 U	NA	0.42 J	77000	1.7	1 U	2.3 U	5.3 J	1 U	DMETAL
TP2	04/09/2012	50 U	1 U	1.9	91	1 U	NA	0.22 J	78000	1.7	1 U	2.3 U	50 U	1 U	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Analysis Group
WTA	09/30/2010	30	1 U	2.2	36	0.5 U	150	1 U	110000	9.5	0.33 J	2 U	100 U	2 U	METAL
WTA	04/14/2011	75 U	0.51 J	1.3 J	36	3.2 UJ	NA	2 U	99000	6	1 U	11	89 U	1.9 U	DMETAL
WTA	04/14/2011	86	1 U	1.5 J	39	1 U	NA	0.34 J	100000	6	0.17 J	1 U	100 UJ	1 U	METAL
WTA	04/14/2011	75 U	1.1 U	1.6 J	37	3.2 UJ	NA	2 U	93000	6.1	1 U	3	89 U	1.9 U	DMETAL
WTA	04/14/2011	66	1 U	1.7 J	39	1 U	NA	0.47 J	110000	6.1	0.16 J	1 U	80 UJ	1 U	METAL
WTA	10/05/2011	50 U	1 U	0.55 J	41	1 UJ	NA	1 U	100000	4.5	1 U	1 U	50 U	1 U	DMETAL
WTA	10/05/2011	150	1 U	1.6	47	1 U	NA	0.25 J	98000	5.1	0.49 J	5.2 U	270	0.17 J	METAL
WTA	04/05/2012	87 UJ	0.23 J	2.3	48	1 U	NA	0.35 UJ	90000	5.2	1 U	2.3 U	68 UJ	1 U	METAL
WTA	04/05/2012	17 J	1 U	2.4	55	1 U	NA	1 U	100000	5.8	1 U	2.3 U	8.1 UJ	1 U	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Magnesium	Manganses	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Analysis Group
B120	09/09/2010	150000	92	0.03 U	2.7	7.1	1600 J	2 U	0.5 U	170000	2 U	4.6	15	METAL
B120	04/15/2011	180000	140	0.2 U	2.2 UJ	1 U	1300	1 U	1.7 U	160000	1 U	5.2	3.3 J	DMETAL
B120	10/04/2011	170000	290	0.2 U	0.79 UJ	11	1900	0.97 J	1 U	160000	0.13 J	7.6	9 U	DMETAL
B120	04/03/2012	160000	330	0.079 J	0.9 J	6.5	1700 U	1 U	1 U	180000	1 U	4.7	9 U	DMETAL
B121	09/08/2010	39000	320	0.02 J	1.7	4.3	1600 J	2 U	0.5 U	75000	2 U	2.5 J	6.4	METAL
B121	04/13/2011	34000	7.7	0.2 U	0.33 J	1.2	850	1 U	1 U	59000	1 U	4	20	DMETAL
B121	10/04/2011	40000	8.2	0.2 U	1 U	1 U	640	1 U	0.14 J	64000	1 U	5.9	9.8	DMETAL
B121	04/04/2012	40000	7.6	0.2 U	0.89 J	1 U	470	0.34 UJ	1 U	68000	1 U	4.4	3.8 J	DMETAL
B128	09/23/2010	46000	360	0.048	2.8	2.7	6400	2 U	0.5 U	180000	2 U	4 U	2.8 J	METAL
B128	09/23/2010	39000	56	0.015 J	1.7	2	7700	2 U	0.5 U	170000	2 U	4 U	6.9	METAL
B128	04/18/2011	16000	69	0.11 J	0.91 J	10	730	0.4 J	1.7 U	93000	0.11 J	1.5 UJ	9 U	DMETAL
B128	10/04/2011	22000	170	0.052 UJ	0.36 UJ	7.1	1300	1 U	0.095 J	130000	1 U	2.5	21	DMETAL
B128	04/02/2012	17000	15	0.089 J	1 U	7.2	170 U	0.58 UJ	0.6 J	83000	1 U	1.9	9 U	DMETAL
B128	04/05/2013	17000	86	0.025 J	0.6 UJ	5.8	510	1 U	1 U	110000	1 U	1.2	20 U	DMETAL
B128	04/10/2014	17000	3.6	0.2 U	0.45 J	6	600	1 U	1 U	120000	1 U	1.2	5 U	DMETAL
B150	09/08/2010	19000	30	0.03 U	0.36 J	5.3	1300 J	3.2	0.5 U	36000	2 U	4 U	3.1 J	METAL
B150	04/13/2011	14000	2.2	0.2 U	1 U	2.7	560	37	1 U	26000	1 U	1.4	18	DMETAL
B150	10/05/2011	16000 UJ	5 U	0.2 U	1 U	1 U	580	14	1 U	29000	1 U	6	5 U	DMETAL
B150	10/05/2011	16000 J	5 U	0.2 U	1 U	1 U	590	10	1 U	29000	1 U	2.8	5 U	DMETAL
B150	04/04/2012	13000	1 U	0.2 U	0.22 J	0.58 J	170 U	67	1 U	30000	1 U	2.3	4.6 J	DMETAL
B150	04/04/2012	14000	0.9 J	0.2 U	0.53 J	0.71 J	170 U	66	1 U	30000	1 U	3.1	9 U	DMETAL
B150	04/02/2013	14000	0.76 UJ	0.2 U	1 U	3.4	50 U	29	1 U	26000	1 U	1.2	17 J	DMETAL
B150	04/01/2014	12000	4.6	0.2 U	3.2 U	3.7	250	82	1 U	26000	1 U	0.6 J	5.6 J	DMETAL
B158	09/08/2010	2600	13	0.03 U	0.87	1.8	1100 J	2 U	0.5 U	52000	2 U	6.4	3 J	METAL
B158	04/15/2011	1900	1.8	0.2 U	1.9 U	1 U	380	0.3 J	1.7 U	36000	0.068 J	5.9	9 U	DMETAL
B158	10/05/2011	2500	2.3 J	0.2 U	1 U	1 U	350 J	1 U	1 U	50000	1 U	8	5 U	DMETAL
B158	04/06/2012	2900	1.3	0.2 U	0.52 J	1 U	170 U	1 U	0.18 J	53000	1 U	7.3	35	DMETAL
B158	04/08/2013	2200	5.5	0.2 U	0.38 UJ	1 U	340	0.31 J	1 U	50000	1 U	7.3	20 U	DMETAL
B158	04/02/2014	2400	9.5	0.2 U	0.72 J	4.2 U	320	1 U	1 U	48000	1 U	7.1	2.4 J	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Magnesium	Manganses	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Analysis Group
B163	09/02/2010	200000	17000	0.083	0.95	170	2800	2 U	0.5 U	230000	2 U	4 U	9.2	METAL
B163	04/12/2011	190000	19000	0.19 J	1 UJ	200	1600	0.39 J	1 U	190000	0.063 J	2.2	27	METAL
B163	04/12/2011	180000	15000	0.2 UJ	0.23 J	180	1500	1 UJ	1 U	190000	0.08 J	1.9	27	DMETAL
B163	10/03/2011	330000	20000	0.17 UJ	0.71 UJ	200	1800	0.65 J	1 U	240000	1 U	0.68 J	15	DMETAL
B163	10/03/2011	240000	20000	0.18 J	0.35 UJ	200	2200 J	0.36 UJ	1 U	250000	1 U	2.2	4.1 J	METAL
B163	04/02/2012	200000	16000	0.23	2.4	180	1800	1.2 UJ	1 U	210000	1 U	3.3	9.1	DMETAL
B163	04/02/2012	200000 J	17000	0.22	1.2 UJ	200	990	1.3 J	1 U	220000	1 U	2.7	7.9 J	METAL
B163	04/03/2013	230000 J	19000	0.095 J	1.7 UJ	200 J	1800 J	1 U	1 U	190000	1 U	1.9	30	DMETAL
B163	04/01/2014	220000	19000	0.2 U	3.2 U	200	1600	0.39 J	1 U	230000	1 U	2.6	8.8 J	DMETAL
B175S	09/03/2010	43000	250	0.072	1.3	3.3	2100	2 U	0.5 U	91000	2 U	4 U	2.5 J	METAL
B175S	04/13/2011	30000	12	0.2 U	0.23 J	2.3	740	0.86 J	1 U	67000	0.062 J	2.3	14	DMETAL
B175S	10/04/2011	38000	39	0.054 UJ	0.27 UJ	1 U	630	0.26 J	1 U	67000	1 U	2.7	7.1 J	DMETAL
B175S	04/04/2012	35000	4.6	0.2 U	1 U	1 U	110 J	0.76 UJ	1 U	74000	1 U	2.3	9 U	DMETAL
B175S	04/02/2013	45000	8.2	0.06 J	0.52 UJ	0.59 UJ	450	0.28 J	1 U	84000	1 U	2.9	14 J	DMETAL
B175S	04/01/2014	49000	4.1	0.2 U	3.2 U	1.8 J	490	1.5	1 U	100000	1 U	3.5	16 U	DMETAL
B175W	09/08/2010	12000	17	0.03 U	0.54	2.5	2700	2 U	0.5 U	56000	2 U	4 U	3.8 J	METAL
B175W	04/13/2011	9700	3.2	0.2 U	0.78 J	0.96 J	1600	1 UJ	1 U	45000	1 U	2.4	15	DMETAL
B175W	10/04/2011	13000	39	0.065 UJ	0.93 UJ	1 U	890	1 U	1 U	45000	1 U	4.7	18	DMETAL
B175W	04/04/2012	11000	4	0.2 U	3	1 U	280	1.1 UJ	1 U	45000	1 U	2	9 U	DMETAL
B177	09/23/2010	9900	3.9	0.03 U	0.27 J	1.8	2000 U	1.1 J	0.5 U	32000	2 U	4 U	4 J	METAL
B177	04/18/2011	14000	0.95 J	0.038 J	0.52 J	1 U	280	1.8	1.7 U	34000	1 U	1.7 UJ	5 U	DMETAL
B177	10/05/2011	11000 J	9.8	0.2 U	1 U	1 U	250 J	1 U	1 U	29000	0.28 J	3	5.8	DMETAL
B177	04/04/2012	21000	0.44 J	0.2 U	0.23 J	7.1	170 U	2.6	1 U	45000	1 U	2	9.3	DMETAL
B178	09/02/2010	140000	570	0.03 U	2.4	7.5	2800	2 U	0.5 U	150000	2 U	2.9 J	4.7 J	METAL
B178	04/15/2011	140000	430	0.2 U	2.4 UJ	1 U	1400	2.5 U	1.7 U	160000	1 U	4.7	3.4 J	DMETAL
B178	10/04/2011	150000	810	0.2 U	2.3 UJ	12	1400	1.5	0.16 J	130000	0.37 J	6.5	6 J	DMETAL
B178	04/03/2012	150000	1100	0.2 U	1.7	12 J	1500	0.41 UJ	1 U	250000	1 U	3.6	3.7 J	DMETAL
B178	04/02/2013	160000	1800	0.2 U	2.9 UJ	7.7	1200	0.51 J	1 U	160000	1 U	2.1	20 U	DMETAL
B178	04/08/2014	190000	2400	0.2 U	1.8	5.1	1600	0.63 J	1 U	250000	0.054 J	0.46 J	3.2 J	DMETAL

METALS (µg/L)

Location ID	Sample Date	Magnesium	Manganses	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Analysis Group
B180	09/15/2010	5200	20	0.03 U	1.2	2.2	2000 U	2 U	0.5 U	92000	2 U	9.6	4.2 J	METAL
B180	04/13/2011	4200	2.7	0.2 U	0.91 J	0.53 J	640	1 UJ	1 U	83000	1 U	6.2	54	DMETAL
B180	10/06/2011	5500 J	0.5 J	0.2 U	1.1 UJ	1 U	340	0.66 J	1 U	76000	1 U	9.6	9.6	DMETAL
B180	10/06/2011	5600 J	0.29 J	0.2 U	1 UJ	1 U	320	0.34 J	1 U	76000	1 U	8.5	28	DMETAL
B180	04/04/2012	4700	0.8 J	0.2 U	1.7	1 U	98 J	0.55 UJ	1 U	78000	1 U	6.7	9 U	DMETAL
B185	09/02/2010	130000	330	0.03 U	1	7.1	2400	2 U	0.5 U	130000	2 U	4 U	3.6 J	METAL
B185	04/15/2011	120000	130	0.2 U	1.9 U	1 U	990	2.5 U	1.7 U	92000	1 U	3.4	8.3	DMETAL
B185	04/15/2011	130000	120	0.2 U	1.9 U	1 U	1000	2.5 U	1.7 U	97000	1 U	3.6	5.8 J	DMETAL
B185	10/03/2011	140000	170	0.088 UJ	0.69 UJ	8.4	1200	0.28 J	1 U	120000	1 U	5.7	47	DMETAL
B185	10/03/2011	220000	170	0.088 UJ	1 U	1 U	1300	1 U	1 U	130000	1 U	5.2	29	DMETAL
B185	04/02/2012	140000	440	0.041 J	0.77 J	5.2	780	0.89 UJ	1 U	120000	1 U	4.8	9 U	DMETAL
B194	09/09/2010	39000	180	0.03 U	2.3	1.8	4400	2 U	0.5 U	120000	2 U	2.4 J	5 U	METAL
B194	04/13/2011	35000	1.8	0.2 U	0.74 J	0.79 J	1100	1 UJ	1 U	99000	1 U	3.9	27	DMETAL
B194	10/04/2011	36000	8.7	0.2 U	1 U	1 U	1000	0.51 J	1 U	110000	0.24 J	4.7	9 U	DMETAL
B194	04/04/2012	35000	0.36 J	0.2 U	1 U	1 U	350 U	1 U	1 U	110000	1 U	4.4	5.4 J	DMETAL
B195	09/09/2010	110000	63	10	1.1	3.1	2900	2 U	0.5 U	130000	2 U	4 U	4.3 J	METAL
B195	04/13/2011	36000	5	1.2	0.36 J	1.1	570	1 UJ	1 U	57000	1 U	4	57	DMETAL
B195	04/13/2011	39000	11	2.4	1 UJ	1.1	660	0.43 J	1 U	59000	1 U	4.1	5 UJ	METAL
B195	04/13/2011	40000	8.1	2.2	1 UJ	2.9 U	690	0.41 J	1 U	60000	1 U	3.9	8 UJ	METAL
B195	04/13/2011	35000	5.1	1.1	0.39 J	1	560	0.44 J	1 U	56000	1 U	3.6	27	DMETAL
B195	10/04/2011	150000	16	15	2.5	1.5	870	1 U	1 U	140000	0.45 J	4	9 U	METAL
B195	10/04/2011	120000	15	10	1.2 UJ	3.3	820	1 U	1 U	110000	1.6	5	9 J	DMETAL
B195	04/03/2012	50000	8.3	2	0.71 J	1 U	390	1.1 UJ	1 U	69000	1 U	6.2	9 U	DMETAL
B195	04/03/2012	43000	7 J	2.7	1 U	0.41 J	740	1.3	1 U	65000	1 U	1.9	9 U	METAL
B195	04/02/2013	78000	1.3 UJ	9.9	1.8 UJ	0.96 UJ	740	0.37 J	0.91 J	99000	1 U	3.9	20 U	DMETAL
B195	04/02/2013	76000	1.2 UJ	11	0.33 UJ	0.89 UJ	650	0.4 J	0.51 J	100000	1 U	3.8	20 U	DMETAL
B195	04/02/2014	84000	5	4.51	0.94 J	2.6 J	790	0.47 J	1 U	100000	0.075 J	3.8	9.2	DMETAL
B195	04/02/2014	78000	3.6	4.59	0.97 J	1.5 J	550	0.61 J	1 U	91000	0.068 J	3.7	4.9 J	DMETAL

METALS (µg/L)

Location ID	Sample Date	Magnesium	Manganses	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Analysis Group
B197	09/09/2010	120000	36	0.03 U	1.5	2.8	2000	2 U	0.5 U	130000	2 U	2.7 J	5.8	METAL
B197	09/09/2010	120000	34	0.03 U	1.4	2.6	1800 J	2 U	0.5 U	130000	2 U	2.8 J	3.8 J	METAL
B197	04/13/2011	150000	1300	0.2 U	1.3	8.4	1300	1 U	1 U	140000	1 U	2.4	10	DMETAL
B197	10/04/2011	120000	530	0.2 U	0.73 UJ	8	1300	0.68 J	0.21 J	110000	1 U	6.7	14	DMETAL
B197	04/03/2012	170000	2500	0.049 J	1 U	3.3	1700 U	0.44 UJ	1 U	170000	1 U	1 U	9 U	DMETAL
B197	04/03/2012	160000	2400	0.062 J	1 U	2.2	1700 U	0.47 UJ	1 U	170000	1 U	1 U	9 U	DMETAL
B197R	04/08/2013	160000	16	0.2 U	2.3 UJ	1 U	6300	0.66 J	1 U	180000	1 U	3.4	9.5 J	DMETAL
B197R	04/08/2014	230000	7100	0.2 U	1.6	6.1	2500	1 U	1 U	260000	1 U	0.34 J	16	DMETAL
B277	09/15/2010	23000	9.9	0.03 U	1	1 U	2000	2 U	0.5 U	58000	2 U	2.5 J	5 U	METAL
B277	04/18/2011	22000	37	0.07 J	1.4	1 U	1200	0.53 J	1.7 U	45000	1 U	4.5	7.8 J	DMETAL
B277	10/05/2011	23000 J	35	0.2 U	0.3 J	1 U	1100	1 U	1 U	55000	1 U	6.6	25	DMETAL
B277	04/03/2012	24000	4.8	0.2 U	1.1	1 U	1000	0.56 UJ	1 U	47000	1 U	6.2	12	DMETAL
B278	09/16/2010	150000	150	0.015 J	0.62	2.7	3900	2 U	0.5 U	190000	2 U	4 U	6.4	METAL
B278	04/19/2011	130000	35	0.15 J	1.9 UJ	2.3 J	2100	2.5 U	1.7 U	170000	1 U	3	38 J	DMETAL
B278	10/05/2011	150000	46	0.2 U	1 U	1 U	2500	1 U	1 U	170000	1 U	5.1	29	DMETAL
B278	04/05/2012	150000	19	0.036 UJ	0.79 UJ	2.7	1700 U	1 U	1 U	200000	1 U	4.1	20 U	DMETAL
B280A	09/16/2010	29000	15	0.03 U	1.6	0.77 J	1200 J	2 U	0.5 U	66000	2 U	2.4 J	5 U	METAL
B280A	04/14/2011	22000	8.3	0.2 U	1.9 UJ	1 U	570	2.5 U	1.7 U	48000	1 U	3.7	9 U	DMETAL
B280A	10/06/2011	25000 J	14	0.2 U	1.6 UJ	0.37 J	840	0.31 J	1 U	54000	1 U	4.8	8.9	DMETAL
B280A	04/03/2012	27000	6.6	0.2 U	1 U	1 U	730	1 U	1 U	62000	1 U	6.3	9 U	DMETAL
B280B	10/01/2010	25000	7.2	0.03 U	3.8	0.62 J	8900	2 U	0.5 U	130000	2 U	4 U	3.2 J	METAL
B280B	04/14/2011	20000	0.86 J	0.2 U	1.9 UJ	1 U	3900	2.5 U	1.7 U	87000	1 U	2.7	6.5 J	DMETAL
B280B	10/06/2011	21000 J	22	0.2 U	2.8	1 U	3000	1 U	1 U	72000	1 U	2.3	7.3	DMETAL
B280B	04/03/2012	20000	3.8	0.066 J	1 U	1 U	2900	1 U	1 U	78000	1 U	5.1	9 U	DMETAL
B300	09/09/2010	82000	110	0.03 U	1	2.8	4100	2 U	0.5 U	110000	2 U	4 U	5 U	METAL
B300	04/15/2011	160000	12000	0.2 U	1.9 UJ	0.8 J	9100 J	0.4 J	1.7 U	190000	1 U	0.73 J	9 U	DMETAL
B300	10/06/2011	5300 J	1400	0.11 UJ	20 U	23 U	13000	20 U	20 U	6500	10 U	12 J	1000	DMETAL
B300	04/09/2012	130000	9200	0.06 UJ	1 U	7.6	3800	1 U	1 U	140000	1 U	0.51 J	53	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Magnesium	Manganses	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Analysis Group
B38	09/15/2010	23000	37	0.03 U	0.58	3.9	1600 J	2 U	0.5 U	57000	2 U	4 U	3.6 J	METAL
B38	04/19/2011	18000	4.3	0.2 U	1 UJ	2.2 J	520	2.5 U	1.7 U	47000	1 U	2.6	11	DMETAL
B38	04/19/2011	18000	4	0.089 J	1 UJ	2.6 J	590	2.5 U	1.7 U	51000	1 U	2.7	40	DMETAL
B38	10/06/2011	15000 J	31	0.2 U	0.36 UJ	3.1	480	1 U	1 U	37000	1 U	3.1	8.6	DMETAL
B38	04/04/2012	17000	11	0.2 U	0.32 J	0.67 J	170 U	0.46 UJ	1 U	42000	1 U	3.5	6.5 J	DMETAL
B450	04/19/2011	43000	5.1	0.055 J	1.4 UJ	2.9 U	1800	2.5 U	1.7 U	73000	0.36 J	3.2	3.3 J	DMETAL
B450	04/19/2011	51000	22	0.099 J	1.4 J	1 U	2200	2.5 U	1.7 U	84000	0.48 J	3.5	9 U	METAL
B450	10/10/2011	35000	73	0.2 U	0.69 J	1.5	1400	0.32 J	1 U	52000	0.16 J	3.6	38	DMETAL
B450	04/06/2012	61000	1.4	0.2 U	1.4	1 U	2100	1.7	1 U	79000	1 U	2.6	17 J	DMETAL
B450	04/03/2013	40000	5.8	0.2 U	0.27 UJ	1 U	1400	1 U	1 U	47000	1 U	2.5	39	DMETAL
B450	04/03/2014	66000	0.48 J	0.2 U	3.2 U	2.3 J	2800	0.27 J	1 U	72000	1 U	2.4	3.1 J	DMETAL
B460	09/15/2010	17000	500	0.03 U	0.65	2.8	3300	2 U	0.5 U	44000	2 U	4 U	8.2	METAL
B460	04/20/2011	18000 J	7.2	0.08 J	1.9 UJ	1.3 J	2900	2.5 U	1.7 U	45000	1 U	1.7 J	23	DMETAL
B460	10/07/2011	18000	270	0.2 U	1.5 UJ	0.75 J	1800	1 U	1 U	37000	1 U	1.4	7.1	DMETAL
B460	04/06/2012	15000	35	0.2 U	0.64 J	1 U	1000	1 U	1 U	36000	1 U	2.1	17 J	DMETAL
B473	09/24/2010	26000	42	0.03 U	0.95	2	1900 J	2 U	0.5 U	100000	2 U	4.1	23	METAL
B473	04/20/2011	44000 J	1.2 J	0.067 J	1.9 UJ	1.2 J	4000	2.5 U	1.7 U	99000	1 U	3.7	14	DMETAL
B473	10/07/2011	22000	0.55 UJ	0.2 U	0.38 UJ	1 U	1400	1 U	1 U	67000	1 U	3.7	8.4	DMETAL
B473	04/06/2012	18000	2.8	0.2 U	0.89 J	1 U	1000	1 U	1 U	59000	1 U	3.1	12 J	DMETAL
B474	09/23/2010	24000	540	0.024 J	2.1	5.3	3500	2 U	0.5 U	120000	2 U	2.4 J	6.4	METAL
B474	04/20/2011	27000 J	42	0.066 J	2.5 UJ	1.5 J	3000	2.5 U	1.7 U	81000	1 U	4.2	36	DMETAL
B474	04/20/2011	26000	55	0.2 UJ	3.1	1.7 J	2900	2.5 U	1.7 U	78000	0.057 J	3.7	9 U	METAL
B474	10/07/2011	10000	4 UJ	0.11 UJ	18	3.5	1500	1 U	1 U	20000	1 U	3.5	98	DMETAL
B474	10/07/2011	14000	66	0.22	21	6	2000	0.31 J	1 U	17000	1 U	4.6	17	METAL
B474	04/09/2012	16000	140	0.07 UJ	8.7	6.7	2300	1 U	1 U	16000	1 U	4.7	11 J	DMETAL
B474	04/09/2012	14000	140	0.038 J	9.5	6	2200	0.45 J	1 U	20000	1 U	1.7	16 J	METAL
B474	04/03/2013	12000	82	0.027 J	7.8	5.3	1600	1 U	1 U	14000	1 U	2.5	8.4 J	DMETAL
B474	04/03/2014	14000	37	0.106 J	43	7.5	3000	1 U	0.12 J	9600	1 U	2.8	12	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Magnesium	Manganses	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Analysis Group
B480	09/24/2010	46000	480	0.03 U	1.5	2	3900	2 U	0.5 U	110000	2 U	2 J	3.3 J	METAL
B480	04/19/2011	39000	37	0.1 J	1.9 UJ	1.3 J	2200	2.5 U	1.7 U	86000	0.082 J	4.1	11	DMETAL
B480	10/07/2011	32000	42 UJ	0.2 U	1.3 UJ	2	1500	0.37 J	1 U	61000	1 U	3.8	30	DMETAL
B480	04/09/2012	50000	3.8	0.06 UJ	1 U	3.3	1700	1 U	1 U	92000	1 U	6.8	21	DMETAL
B480	04/03/2013	49000	11	0.2 U	0.38 UJ	1 U	1100	1 U	1 U	83000	1 U	4.7	9.1 J	DMETAL
B480	04/03/2014	50000	7.9	0.2 U	0.66 J	2.7 J	1100	1 U	1 U	79000	1 U	6	3.7 J	DMETAL
B490	09/16/2010	54000	86	0.03 U	0.66	2.1	1600 J	2 U	0.5 U	55000	2 U	3.2 J	5 U	METAL
B490	04/20/2011	52000	1.4 J	0.2 U	1.9 UJ	1.1 J	860	2.5 U	1.7 U	56000	1 U	5.2	16	DMETAL
B490	10/10/2011	42000	11	0.2 U	1.2 UJ	0.37 J	500 U	1 U	0.076 J	50000	0.42 J	5.3	18	DMETAL
B490	04/09/2012	50000	4.9	0.049 UJ	0.33 J	2.5	510	1 U	1 U	53000	1 U	6.7	9.8 J	DMETAL
BULB1	10/19/2010	850000	5600	0.09	33	46	150000	8.6	5 U	7700000	20 U	10 U	20	METAL
BULB1	04/12/2011	670000	1300	0.2 UJ	5.5	4	190000	1 UJ	1 U	5700000	0.1 J	0.9 J	18	DMETAL
BULB1	04/12/2011	710000	2000	0.15 J	7.7	7.5	150000	0.6 J	1 U	6400000	0.39 J	1.3	38	METAL
BULB1	09/30/2011	980000	750	0.09 J	4.7	1 U	300000	0.73 UJ	1 U	9700000	1 U	1.3	9 U	METAL
BULB1	09/30/2011	1400000	950	0.2 U	6.5	5	230000	1 J	0.19 J	8200000	1 U	10	19	DMETAL
BULB1	04/05/2012	970000	640	0.2 U	6.5	2.7	270000	0.87 J	1 U	8000000	1 U	0.64 J	20 U	DMETAL
BULB1	04/05/2012	860000	510	0.043 J	6.2	1.4	260000	1.1 UJ	1 U	7300000	1 U	4.5	20 U	METAL
BULB1	04/05/2013	810000	450	0.039 J	3.5 UJ	1 U	230000	1 U	1 U	7000000	1 U	1.2	6.5 J	DMETAL
BULB1	04/10/2014	950000	580	0.2 U	5.1	4.2 U	260000	0.64 J	1 U	8500000	0.086 J	1.1	5.8	DMETAL
BULB2	10/19/2010	190000	5600	2.5	7.9	25	40000	3	0.5 U	1900000	2 U	2.8 J	22	METAL
BULB2	04/12/2011	21000	460	0.2 U	6.6	3.2	10000	1 UJ	1 U	400000	0.22 J	2.1	48	DMETAL
BULB2	04/12/2011	85000	2800	0.2 J	8.1	16	17000	0.36 J	1 U	740000	0.18 J	3.2	61	METAL
BULB2	09/30/2011	44000	770	0.31	5.6	0.12 J	9100	1 U	1 U	240000	1 U	3.9	9 U	METAL
BULB2	09/30/2011	42000	760	0.2 U	7.3	2.5	7900	1 U	1 U	220000	1 U	4.9	15	DMETAL
BULB2	04/05/2012	190000	1600	0.047 UJ	4.2	13	37000	1.3	1 U	1500000	1 U	2.8	8.8 J	DMETAL
BULB2	04/05/2012	200000 J	1400 J	0.099 J	5.9	5.3	30000	0.46 UJ	1 U	1500000 J	1 U	2.5	15 J	METAL
BULB2	04/05/2013	43000	770	0.026 J	6.4	1 U	10000	1 U	1 U	220000	1 U	1.1	20 U	DMETAL
BULB2	04/10/2014	60000	1100	0.2 U	7	2.2 J	9900	0.28 J	1 U	260000	1 U	1.2	16 U	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Magnesium	Manganses	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Analysis Group
CCC1	09/08/2010	17000	4.1	0.03 U	2.2	1.2	2500	2 U	0.5 U	98000	2 U	3.3 J	3.5 J	METAL
CCC1	04/14/2011	20000	18	0.047 J	2.4 UJ	1.4 J	1400	2.5 U	1.7 U	91000	0.11 J	3.6	9 UJ	DMETAL
CCC1	10/05/2011	23000 J	24	0.2 U	0.9 J	1 U	1300	1 U	1 U	89000	1 U	6.3	2.1 J	DMETAL
CCC1	04/10/2012	28000	7.7	0.043 UJ	0.24 J	3	1500	0.28 J	1 U	120000	1 U	3.9	17 J	DMETAL
CCC2	09/08/2010	32000	42	0.03 U	2.4	1.6	3600	6.6	0.5 U	120000	2 U	2 J	3.4 J	METAL
CCC2	04/14/2011	160000	69	0.2 U	1.9 U	38	2000	5.4	1.7 U	140000	0.62 J	0.82 J	55	DMETAL
CCC2	04/14/2011	180000	100	0.2 U	1 U	40	2100	6.1	1 U	160000	1 U	1.2	5.7 UJ	METAL
CCC2	10/04/2011	47000	110	0.05 UJ	0.85 UJ	1 U	1700	6.8	1 U	110000	1 U	2.4	13	DMETAL
CCC2	10/04/2011	46000	120	0.2 U	1.3 UJ	4	1700	6.6	1 U	99000	0.63 J	3	9 U	METAL
CCC2	04/10/2012	84000	200	0.059 UJ	1 U	11	1800	3.5	1 U	110000	1 U	2.3	49	DMETAL
CCC2	04/10/2012	72000	140	0.043 J	0.75 J	9	2000	4.8	1 U	89000	1 U	1.6	7 J	METAL
CCC2	04/02/2013	51000	5.7	0.2 U	0.34 UJ	4.2	1200	9.6	0.16 J	100000	1 U	2.2	8.7 J	DMETAL
CCC2	04/02/2013	50000	5.7	0.2 U	0.31 UJ	3	910	8.5	1 U	100000	1 U	2.3	11 J	DMETAL
CCC2	04/02/2014	43000	1.7	0.2 U	0.74 J	1.8 J	1100	7.8	1 U	90000	1 U	2.8	5 U	DMETAL
CCC3	09/03/2010	47000	940	0.019 J	4	6.5	4200	2 U	0.5 U	110000	2 U	3.5 J	3.9 J	METAL
CCC3	09/03/2010	46000	1200	0.03 U	3.3	5.8	2800	2 U	0.5 U	99000	2 U	4 U	5 U	METAL
CCC3	04/12/2011	35000	31	0.2 U	1.1	1	2000	1 U	1 U	86000	1 U	3.1	13	DMETAL
CCC3	10/04/2011	45000	510	0.2 U	1.6 UJ	1 U	2000	1 U	1 U	91000	1 U	3.5	9 U	DMETAL
CCC3	10/04/2011	44000	520	0.058 UJ	2.3 UJ	1 U	1900	1 U	1 U	85000	1 U	3	9 U	DMETAL
CCC3	04/10/2012	46000	350	0.053 UJ	0.51 J	4.9	2500	1 U	1 U	95000	1 U	2.6	10 J	DMETAL
CCC3	04/02/2013	35000	24	0.024 J	1.6 UJ	1 U	1600	0.31 J	0.4 J	94000	1 U	3.4	20 U	DMETAL
CCC3	04/02/2014	46000	190	0.2 U	1.5	1.9 J	1300	1 U	1 U	86000	1 U	2.4	2.4 J	DMETAL
CCCT	09/03/2010	81000	1400	0.015 J	2.5	6.6	5000	2 U	0.5 U	150000	2 U	4 U	3.3 J	METAL
CCCT	04/18/2011	68000	86	0.12 J	1.7	1 U	2300	0.47 J	1.7 U	120000	0.072 J	3.2 UJ	2.7 J	DMETAL
CCCT	10/03/2011	84000	210	0.091 UJ	1.6 UJ	1 U	1900	0.26 J	1 U	140000	1 U	1 U	53	DMETAL
CCCT	04/04/2012	91000	210	0.2 U	2.9	1.6	1500	0.5 UJ	1 U	140000	1 U	2.9	7.5 J	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Magnesium	Manganses	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Analysis Group
CTP	09/30/2010	27000	400	0.03 U	1.2	2.1	2000	2 U	0.5 U	76000	2 U	4 U	5 U	METAL
CTP	09/30/2010	28000	400	0.03 U	1.2	2.1	1700 J	2 U	0.5 U	76000	2 U	4 U	5 U	METAL
CTP	04/14/2011	28000	280	0.2 U	1.9 UJ	1 U	1500	2.5 U	1.7 U	52000	1 U	2.9	230	DMETAL
CTP	10/06/2011	26000 J	230	0.2 U	0.74 UJ	0.9 J	890	0.17 J	1 U	56000	1 U	2.9	63	DMETAL
CTP	04/03/2012	30000	110	0.2 U	1 U	1 U	1000	0.67 UJ	1 U	63000	1 U	1.9	57	DMETAL
CTP	04/04/2013	33000	37	0.2 U	0.78 UJ	2.3	760	0.23 UJ	1 U	67000	1 U	2.5	59	DMETAL
CTP	04/03/2014	34000	66	0.2 U	0.84 J	4.2 U	600	1 U	1 U	71000	1 U	2.8	42	DMETAL
CTP	04/03/2014	34000	66	0.2 U	0.78 J	2.1 J	650	0.41 J	1 U	67000	1 U	2.7	44	DMETAL
CTPS	09/30/2010	69000	1000	0.03 U	1.3	4.4	7500	2 U	0.5 U	150000	2 U	4 U	2.7 J	METAL
CTPS	04/19/2011	25000	6.8	0.2 U	1 UJ	1.7 J	1300	2.5 U	1.7 U	65000	1 U	0.94 J	11	DMETAL
CTPS	10/07/2011	30000	37 UJ	0.2 U	0.51 UJ	2.4	2000	0.3 J	1 U	78000	0.27 J	1.5	11	DMETAL
CTPS	04/05/2012	24000	1.7	0.023 UJ	0.57 UJ	3.1	430	1 U	0.37 J	62000	1 U	2.1	20 U	DMETAL
DH	09/30/2010	340000	1300	0.03 U	2.2	37	6700	2 U	0.5 U	520000	2 U	4 U	5	METAL
DH	04/14/2011	420000	980	0.2 U	1.9 UJ	39	5100	2.5 U	1.7 U	480000	1 U	2.8	17	DMETAL
DH	10/05/2011	560000 J	4500	0.2 U	0.21 J	14	4200	1 U	1 U	570000	1 U	2.4	41	DMETAL
DH	04/06/2012	390000	19000	0.066 J	1.6	56	7900	1 U	1 U	560000	1 U	2.2	25	DMETAL
DHR	04/04/2013	480000	970	0.025 J	0.95 UJ	7	25000	0.46 UJ	1 U	590000	1 U	1.1	29	DMETAL
DHR	04/10/2014	630000	4800	0.2 U	1.3	69	7600	0.26 J	1 U	810000	0.043 J	0.56 J	5.5	DMETAL
EERC	10/01/2010	350000	5500	0.015 J	2.9	18	9800	2 U	0.5 U	480000	2 U	4 U	7.5	METAL
EERC	04/20/2011	330000 J	320	0.044 J	1.9 UJ	9.5 J	5000	2.5 U	1.7 U	520000	1 U	3.1	11	DMETAL
EERC	04/20/2011	330000	190	0.2 UJ	1.8 J	9.7	4300	2.5 U	1.7 U	570000	0.07 J	3.3	9 U	METAL
EERC	10/07/2011	270000	2900	0.2 U	1.7 UJ	9.9	2900	0.71 J	1 U	400000	1 U	1.2	5.4	DMETAL
EERC	10/07/2011	270000	3500	0.2 U	2.4	13	2800	0.56 J	1 U	430000	1 U	2.9	11	METAL
EERC	04/06/2012	270000	23	0.2 U	1.5	1 U	3300	0.35 J	1 U	440000	1 U	3.6	7.6 J	DMETAL
EERC	04/06/2012	260000	45	0.2 U	2.9	2.7	3500	0.78 J	1 U	430000	1 U	3.1	20 U	METAL
EERC	04/08/2013	330000	3100	0.2 U	1.4 UJ	1 U	1900	1 U	1 U	420000	1 U	0.45 J	20 U	DMETAL
EERC	04/03/2014	350000	2100	0.2 U	1.1	6.6	2100	1 U	1 U	440000	1 U	1.6	5.3	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Magnesium	Manganses	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Analysis Group
EPA	09/16/2010	39000	700	0.017 J	2.5	2.1	5100	2 U	0.5 U	130000	2 U	4 U	6.2	METAL
EPA	04/19/2011	39000	130	0.2 U	2 UJ	1.3 J	2700	2.5 U	1.7 U	150000	1 U	1.8	4.5 J	DMETAL
EPA	10/06/2011	37000 J	390	0.2 U	1.8 UJ	1 U	2200	0.24 J	1 U	120000	1 U	2.5	11	DMETAL
EPA	04/06/2012	48000	520	0.2 U	1.4	1 U	1700	1 U	1 U	150000	1 U	1	15 J	DMETAL
EPA	04/06/2012	45000	410	0.2 U	1.4	1 U	1300	1 U	1 U	160000	1 U	1.3	8.1 J	DMETAL
ETA	09/24/2010	86000	4600	2.3	2.7	10	1900 J	2 U	0.5 U	150000	2 U	5.4	110	METAL
ETA	09/24/2010	86000	4600	1.3	2.9	4.9	1600 J	2 U	0.5 U	150000	2 U	4 U	50	METAL
ETA	04/12/2011	81000	4000	0.2 U	4.3	2.8	1300	1 U	1 U	130000	0.3 J	0.55 J	47	DMETAL
ETA	04/12/2011	89000	4300	1.6	4.9	6.3	1800	0.15 J	1 U	130000	1 U	3.9	95	METAL
ETA	09/30/2011	81000	5000	0.2 U	2.1 UJ	3.6	900	0.8 J	0.06 J	150000	1 U	13	47	DMETAL
ETA	09/30/2011	84000	4800	1.6	1.8	4.3 J	980	1 U	1 U	160000	1 U	2.2	61	METAL
ETA	04/10/2012	90000	4900	0.78	3	4	780	1 U	0.74 J	110000	0.28 J	1.1	54	METAL
ETA	04/10/2012	130000	5100	0.083 UJ	1.8	3.8	1300	1 U	1 U	190000	1 U	0.99 J	57	DMETAL
ETA	04/10/2012	87000	4900	0.64	3	3.9	1200	1 U	1 U	110000	1 U	0.96 J	49	METAL
ETA	04/10/2012	110000	4800	0.095 UJ	2	3.6	1200	1 U	1 U	170000	1 U	1.1	55	DMETAL
ETA	04/05/2013	92000	5400	0.2 U	3.2 UJ	1 U	770	1 U	1 U	140000	1 U	0.52 J	40	DMETAL
ETA	04/08/2014	130000	6100	0.2 U	2.6	4.6	1200	1 U	1 U	190000	1 U	1	44	DMETAL
EXT	09/30/2011	20000	3.4	0.2 U	3.3	0.085 J	2100	0.23 J	1 U	48000	1 U	14	11	DMETAL
EXT	09/30/2011	18000	8	0.2 U	2.3	1 U	1400	1 U	1 U	46000	1 U	0.18 J	7.6	METAL
FG	09/23/2010	130000	4200	0.015 J	0.93	130	2700	8 U	0.5 U	130000	2 U	91	170	METAL
FG	04/19/2011	35000	70	0.14 J	1.1 J	7.3	1200	2.5 U	1.7 U	91000	0.21 J	5.8	9 U	METAL
FG	04/19/2011	33000	28	0.063 J	1 UJ	2.7 J	800	2.5 U	1.7 U	83000	1 U	1.9	29	DMETAL
FG	04/19/2011	31000	31	0.057 J	1 UJ	0.26 J	810	2.5 U	1.7 U	79000	1 U	1.8	29	DMETAL
FG	04/19/2011	35000	84	0.1 J	1.9 U	6.7	1000	2.5 U	1.7 U	87000	0.15 J	4.2	9 U	METAL
FG	10/10/2011	50000	93	0.2 U	0.73 UJ	3.8	2100	0.19 J	1 U	94000	1 U	2	31	DMETAL
FG	10/10/2011	54000	160	0.2 U	0.66 J	4.9	1200	0.21 J	1 U	100000	1 U	1.8	10	METAL
FG	04/09/2012	29000	1.8	0.032 UJ	1 U	1 U	420	0.28 J	1 U	75000	1 U	4.2	20 U	DMETAL
FG	04/09/2012	27000	13	0.2 U	0.8 UJ	2.1	810	1 U	1 U	73000	1 U	1.9	20 U	METAL
FG	04/03/2013	33000	4.8	0.2 U	2.4	2.8	1100	0.73 UJ	1 U	83000	1 U	1.7	13 J	DMETAL
FG	04/09/2014	21000	6.9	0.2 U	0.72 UJ	2 J	330	0.48 J	1 U	75000	0.044 J	2.2	16 U	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Magnesium	Manganses	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Analysis Group
GEO	09/03/2010	30000	43	0.03 U	2.6	1.5	2800	2 U	0.5 U	85000	2 U	2.5 J	5 U	METAL
GEO	04/20/2011	31000 J	440	0.071 J	4.5 UJ	6.2 J	3700	2.5 U	1.7 U	69000	0.17 J	3.2	58	DMETAL
GEO	10/06/2011	25000 J	230	0.2 U	3.4	1.5	1900	0.32 J	1 U	54000	1 U	4	26	DMETAL
GEO	04/06/2012	33000	27	0.2 U	1.6	1 U	810	1 U	1 U	71000	1 U	4.6	36	DMETAL
MFA	09/24/2010	61000	580	0.18	5.2	7.9	1400 J	2 U	0.5 U	150000	2 U	3.9 J	4.4 J	METAL
MFA	04/12/2011	37000	230	0.2 UJ	4.2	7.1	510	1 UJ	1 U	99000	1 U	4.6	39	DMETAL
MFA	10/03/2011	60000	410	0.82	4.1 J	16	450	0.23 J	1 U	120000	1 U	3.3	8.2 J	DMETAL
MFA	04/05/2012	43000	270	0.52	5.4	9.4	200	1 U	1 U	130000	0.21 J	6.4	20 U	DMETAL
MFA	04/08/2014	59000	330	0.505	5.4	11	590	0.54 J	1 U	120000	0.089 J	5.2	5 U	DMETAL
NRLF	09/16/2010	26000	440	0.03 U	1.1	1.9	2400	2 U	0.5 U	57000	2 U	4 U	5 U	METAL
NRLF	04/20/2011	30000 J	640	0.2 U	1.9 UJ	2.9 UJ	2700	2.5 U	1.7 U	81000	1 U	0.92 J	83	DMETAL
NRLF	10/06/2011	22000 J	110	0.2 U	1 UJ	0.31 J	920	1 U	1 U	42000	1 U	2.8	22	DMETAL
NRLF	04/09/2012	25000	210	0.053 UJ	1 U	4.9	1300	1 U	1 U	54000	1 U	0.89 J	11 J	DMETAL
NRLF	04/03/2013	27000	920	0.2 U	1 U	1.1	1200	1 U	1 U	58000	1 U	1 U	13 J	DMETAL
NRLF	04/09/2014	26000	80	0.2 U	0.97 UJ	1.6 J	970	1 U	1 U	56000	1 U	2.4	9 UJ	DMETAL
OBS6	09/30/2011	23000	1 U	0.2 U	2.1 UJ	1 U	1800	0.76 J	1 U	49000	1 U	3	4.3 J	DMETAL
OBS6	09/30/2011	21000	100	0.2 U	0.31 J	0.67 UJ	1300	1 U	1 U	45000	1 U	1.7	51	METAL
PZ11	10/01/2010	210000	1700	0.03 U	3.8	140	1100 J	2 U	0.5 U	170000	2 U	3.8 J	430	METAL
PZ11	04/20/2011	290000 J	11000	0.08 J	1.9 UJ	1700 J	350	2.5 U	1.7 U	180000	1 U	1.7 U	10000	DMETAL
PZ11	04/20/2011	290000	13000	0.23 UJ	1.9 U	2400	430	2.5 U	1.7 U	200000	0.1 J	1.7 U	13000	METAL
PZ11	10/10/2011	270000	3700	0.2 U	3.6	340	490	1 U	1 U	160000	1 U	3.8	810	METAL
PZ11	10/10/2011	250000	3200	0.2 U	3.4	300	730	0.22 J	1 U	150000	1 U	4.4	740	DMETAL
PZ11	04/05/2012	180000	5400	0.03 J	0.41 UJ	1200	170 U	0.48 UJ	1 U	160000	1 U	0.4 J	6600	METAL
PZ11	04/05/2012	200000	6600	0.049 UJ	1 U	1400	170 U	0.35 J	1 U	170000	1 U	1	7600	DMETAL
PZ11	04/05/2013	290000	4900	0.2 U	3.8 UJ	580	730	0.78 J	1 U	180000	1 U	2.1	1700	DMETAL
PZ11	04/05/2013	310000	5200	0.2 U	2 UJ	640	710	1 U	1 U	180000	1 U	2.5	1700	DMETAL
PZ11	04/09/2014	450000	13000	0.2 U	4.6	150	1100	0.42 J	1 U	270000	1 U	2.2	260	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Magnesium	Manganses	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Analysis Group
PZ8	10/15/2010	40000	27	0.03 UJ	0.49 J	2.5	2000 U	2 U	0.5 U	66000	2 U	3.5 J	3.4 J	METAL
PZ8	04/18/2011	31000	2.9	0.04 J	0.56 J	1 U	800	0.26 J	1.7 U	53000	1 U	4.1	5 U	DMETAL
PZ8	10/04/2011	40000	0.73 J	0.07 UJ	0.56 UJ	0.87 J	490	0.26 J	0.099 J	62000	1 U	4.2	9 U	DMETAL
PZ8	04/03/2012	42000	4.5	0.2 U	1 U	1 U	130 J	0.44 J	1 U	56000	1 U	3.1	9 U	DMETAL
PZ8	04/08/2013	41000	2.3	0.2 U	1 U	1 U	700	0.29 J	1 U	59000	1 U	3.8	7.7 J	DMETAL
PZ8	04/08/2014	46000	37	0.2 U	0.46 J	3.6 J	770	0.34 J	1 U	64000	1 U	4.2	4.4 J	DMETAL
PZ9	09/24/2010	36000	260	0.17	0.95	3.5	2000 U	2 U	0.5 U	54000	2 U	2.3 J	4.9 J	METAL
PZ9	04/20/2011	34000 J	1900	0.2 U	1.9 UJ	5.3 J	330	2.5 U	1.7 U	45000	1 U	2.1	10	DMETAL
PZ9	10/07/2011	31000	190	0.022 UJ	0.54 UJ	2.7	560	1 U	1 U	42000	1 U	3.8	69	DMETAL
PZ9	10/07/2011	32000	200	0.2 U	0.64 UJ	1 U	570	1 U	1 U	43000	1 U	3.6	60	DMETAL
PZ9	04/06/2012	44000	2900 J	0.026 J	1.7	1 U	170 U	1 U	1 U	53000	1 U	0.47 J	8.3 J	DMETAL
RWF	09/15/2010	60000	88	0.03 U	0.71	2.8	2000	2 U	0.5 U	77000	2 U	2.1 J	3.8 J	METAL
RWF	04/18/2011	55000	3.1	0.2 U	1	1 U	1100	0.21 J	1.7 U	75000	1 U	2.6 UJ	9 U	DMETAL
RWF	10/06/2011	53000 J	19	0.2 U	0.52 UJ	0.78 J	1000	0.54 J	1 U	61000	1 U	3.7	29	DMETAL
RWF	04/04/2012	57000	290	0.029 J	0.86 J	2.9	2300	1 U	1 U	70000	1 U	3.9	120	DMETAL
TP1	09/29/2010	60000	260	0.33	1.3	5.8	2000	2 U	0.5 U	92000	2 U	2.3 J	7.2	METAL
TP1	04/18/2011	94000	980	0.17 J	1.9	1 U	3900	0.21 J	1.7 U	210000	1 U	1.7 UJ	5.5 J	DMETAL
TP1	10/07/2011	60000	420	0.056 UJ	0.65 UJ	11	980	1 U	1 U	71000	1 U	1.8	12	DMETAL
TP1	04/05/2012	120000	3400	0.2 UJ	2.7	20	1300	1 U	1 U	290000	1 U	1.1	20 U	DMETAL
TP1	04/04/2013	94000	3300	0.028 J	0.8 UJ	1 U	700	1 U	1 U	110000	1 U	1 U	12 J	DMETAL
TP1	04/02/2014	120000	3600	0.139 J	2.3	12	1100	1 U	1 U	230000	1 U	0.79 J	6.8	DMETAL
TP2	09/29/2010	72000	120	0.03 U	1.1	8.6	1600 J	2 U	0.5 U	88000	2 U	2.9 J	5 U	METAL
TP2	04/18/2011	56000	3.3	0.2 U	0.82 J	1 U	2300	0.78 J	1.7 U	75000	1 U	3.9	4.2 J	DMETAL
TP2	10/07/2011	67000	5.1 UJ	0.2 U	0.68 UJ	1 U	1300	0.17 J	1 U	73000	0.11 J	3.4	42	DMETAL
TP2	04/09/2012	66000	5.4	0.054 UJ	1 U	4.1	1800	1 U	1 U	75000	1 U	5.7	8.5 J	DMETAL
TP2	04/09/2012	67000	6.1	0.058 UJ	1 U	3.4	1500	0.28 J	1 U	79000	1 U	6.8	8.7 J	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

METALS (µg/L)

Location ID	Sample Date	Magnesium	Manganses	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Analysis Group
WTA	09/30/2010	66000	48	0.03 U	1.4	1.5	2100	2 U	0.5 U	150000	2 U	3 J	5 U	METAL
WTA	04/14/2011	61000	21	0.2 U	1.9 UJ	0.97 J	1100	2.5 U	1.7 U	120000	0.093 J	3.8	4.3 J	DMETAL
WTA	04/14/2011	63000	31	0.041 J	1 UJ	2.9 U	1200	1 U	1 U	130000	1 U	4.1	5 UJ	METAL
WTA	04/14/2011	61000	20	0.2 U	1.9 UJ	1 J	1100	2.5 U	1.7 U	120000	0.1 J	4.1	9 U	DMETAL
WTA	04/14/2011	64000	29	0.042 J	1 UJ	2.9 U	1200	1 U	1 U	130000	1 U	4.1	9 U	METAL
WTA	10/05/2011	64000 J	93	0.2 U	0.25 J	1 U	1300	1 U	1 U	140000	1 U	4.1	5 U	DMETAL
WTA	10/05/2011	67000 J	120 J	0.2 U	1.2	2.7 UJ	1100	0.66 J	1 U	130000	0.15 J	5.2	5.6	METAL
WTA	04/05/2012	55000	46	0.2 U	1.5 UJ	1 U	500	0.97 UJ	1 U	140000	1 U	3.9	6.7 J	METAL
WTA	04/05/2012	60000	26	0.03 UJ	1.3 UJ	1.1	990	1 U	1 U	150000	1 U	5.1	20 U	DMETAL

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
B120	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.6	0.5 U
B120	04/15/2011	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	0.5 J	1.3 U
B120	10/04/2011	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	8 U	2 U	2 U	0.6 J	2 U
B120	04/03/2012	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	0.6 J	1.3 U
B120	04/02/2013	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	8 U	2 U	2 U	2 U	2 U
B120	04/01/2014	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	0.5 J	1.3 U
B121	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B121	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B121	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B121	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B128	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B128	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B128	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B128	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B128	04/02/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B150	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B150	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B150	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B150	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B150	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B150	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B158	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B158	04/15/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B158	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B158	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
B163	09/02/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	8.5	0.5 U
B163	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	9	0.5 U
B163	10/03/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	7.1	0.5 U
B163	04/02/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	8.2	0.5 U
B163	04/03/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	8	0.5 U
B163	04/01/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	8	0.5 U
B175S	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B175S	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B175S	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B175S	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B175S	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B175S	04/01/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B175W	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B175W	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B175W	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B175W	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B175W	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B175W	04/01/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B177	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B177	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B177	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B177	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
B178	09/02/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5	0.5 U
B178	04/15/2011	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	0.4 J	1.3 U
B178	10/04/2011	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	0.5 J	1.3 U
B178	04/03/2012	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	6.7 U	1.7 U	1.7 U	0.5 J	1.7 U
B178	04/02/2013	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	0.6 J	1.3 U
B178	04/08/2014	1 U	1 U	1 U	1 U	1 U	0.4 J	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.4 J	1 U
B180	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B180	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B180	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B180	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B180	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B185	09/02/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	1.4	0.5 U
B185	04/15/2011	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	2.9 U	0.7 U	0.7 U	1	0.7 U
B185	04/15/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	1.3	0.5 U
B185	10/03/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	1.6	0.5 U
B185	10/03/2011	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.3 J	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	2.9 U	0.7 U	0.7 U	1.1	0.7 U
B185	04/02/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	1.1	0.5 U
B185	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	1.8	0.5 U
B185	04/08/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	1.2	0.5 U
B194	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B194	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B194	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B194	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
B195	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	1	0.5 U
B195	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.3 J	0.5 U
B195	04/13/2011	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	2.9 U	0.7 U	0.7 U	0.2 J	0.7 U
B195	10/04/2011	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	0.7 J	1.3 U
B195	04/03/2012	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.6 J	1 U
B195	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.6	0.5 U
B195	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.6	0.5 U
B195	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.6	0.5 U
B195	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.6	0.5 U
B197	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5	0.5 U
B197	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5	0.5 U
B197	04/13/2011	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	6.7 U	1.7 U	1.7 U	1.7 U	1.7 U
B197	10/04/2011	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	6.7 U	1.7 U	1.7 U	0.4 J	1.7 U
B197	04/03/2012	1 U	1 U	1 U	1 U	1 U	0.3 J	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.7 J	1 U
B197	04/03/2012	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.7 J	1 U
B197R	04/08/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.7	0.5 U
B197R	04/08/2014	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.4 J	1 U
B277	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B277	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B277	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B277	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B277	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B277	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
B278	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B278	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B278	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B278	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B278	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B278	04/09/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B280A	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B280A	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B280A	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B280A	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B280A	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B280A	04/09/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B280B	10/01/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B280B	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B280B	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B280B	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B300	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B300	04/15/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B300	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B300	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B38	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B38	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B38	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B38	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B38	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
B450	04/19/2011	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B450	10/10/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B450	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B450	04/03/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B450	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B460	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B460	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B460	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B460	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B473	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B473	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B473	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B473	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B473	04/03/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B473	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B473	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B474	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B474	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B474	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B474	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B480	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B480	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B480	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B480	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B480	04/03/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B480	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
B490	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B490	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B490	10/10/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
B490	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
BULB1	10/19/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
BULB1	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
BULB1	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
BULB1	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
BULB1	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
BULB1	04/10/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
BULB2	10/19/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
BULB2	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
BULB2	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
BULB2	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
BULB2	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
BULB2	04/10/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC1	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC1	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC1	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC1	04/10/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
CCC2	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC2	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC2	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC2	04/10/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC2	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC2	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC2	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC3	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC3	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC3	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC3	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC3	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC3	04/10/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC3	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC3	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CCCT	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.2 J	0.5 U
CCCT	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.2 J	0.5 U
CCCT	10/03/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.2 J	0.5 U
CCCT	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.2 J	0.5 U
CCCT	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.2 J	0.5 U
CCCT	04/08/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.3 J	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
CTP	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTP	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTP	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTP	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTP	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTP	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTP	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTP	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTP	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTPDEEP	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTPS	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTPS	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTPS	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
CTPS	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
DH	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
DH	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
DH	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
DH	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
EERC	10/01/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
EERC	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
EERC	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
EERC	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
EERC	04/08/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
EERC	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
EPA	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
EPA	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
EPA	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
EPA	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
EPA	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
EPA	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
EPA	04/10/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
ETA	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
ETA	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
ETA	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
ETA	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.2 J	0.5 U
ETA	04/10/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
ETA	04/10/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
ETA	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.2 J	0.5 U
ETA	04/08/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.2 J	0.5 U
EXT	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
FG	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
FG	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
FG	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
FG	10/10/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
FG	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
GEO	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
GEO	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
GEO	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
GEO	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
GEO	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
GEO	04/09/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MFA	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MFA	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MFA	10/03/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MFA	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MFA	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MFA	04/08/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
NRLF	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
NRLF	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
NRLF	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
NRLF	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
OBS6	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ11	10/01/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ11	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ11	10/10/2011	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	2.4 J	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	13 U	3.1 U	3.1 U	3.1 U	3.1 U
PZ11	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ11	04/05/2013	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.2	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U
PZ11	04/05/2013	2 U	2 U	2 U	2 U	2 U	2.1	2 U	2 U	2 U	2 U	2 U	8 U	2 U	2 U	2 U	2 U
PZ11	04/09/2014	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.6 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
PZ8	10/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ8	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ8	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ8	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ9	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ9	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ9	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ9	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ9	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ9	04/03/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ9	04/09/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
RWF	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
RWF	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
RWF	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
RWF	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
RWF	04/08/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
RWF	04/09/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
TP1	09/29/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
TP1	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
TP1	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
TP1	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
TP1	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
TP1	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
TP2	09/29/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
TP2	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
TP2	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
TP2	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
TP2	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
TP2	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
TP2	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
WTA	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5
WTA	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.4 J
WTA	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.4 J
WTA	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 J
WTA	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
WTA	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.1 J
WTA	04/10/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
B120	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B120	04/15/2011	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	25 U	1.3 U	25 U	25 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U
B120	10/04/2011	2 U	2 U	2 U	2 U	2 U	40 U	2 U	40 U	2 U	40 U	40 U	2 U	2 U	2 U	2 U	4 U
B120	04/03/2012	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	25 U	1.3 U	25 U	25 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U
B120	04/02/2013	2 U	2 U	2 U	2 U	2 U	40 U	2 U	40 U	2 U	40 U	40 U	2 U	2 U	2 U	2 U	4 U
B120	04/01/2014	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	25 U	1.3 U	25 U	25 UJ	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U
B121	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B121	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B121	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B121	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B128	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	43	0.5 U	NA	0.5 U	NA	11 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B128	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	49	0.5 U	NA	0.5 U	NA	14 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B128	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B128	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B128	04/02/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B150	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B150	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B150	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B150	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B150	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B150	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B158	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B158	04/15/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B158	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B158	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
B163	09/02/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	4 U	0.5 U	NA	0.5 U	NA	2.7 UJ	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U
B163	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.3 J	0.5 U	0.5 U	0.5 U	1 U
B163	10/03/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.3 J	0.5 U	0.5 U	0.5 U	1 U
B163	04/02/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.4 J	0.5 U	0.5 U	0.5 U	1 U
B163	04/03/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.3 J	0.5 U	0.5 U	0.5 U	1 U
B163	04/01/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.3 J	0.5 U	0.5 U	0.5 U	1 U
B175S	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	4 U	0.5 U	NA	0.5 U	NA	2.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B175S	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B175S	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B175S	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B175S	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B175S	04/01/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B175W	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B175W	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B175W	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B175W	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B175W	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B175W	04/01/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B177	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B177	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B177	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B177	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
B178	09/02/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B178	04/15/2011	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	25 U	1.3 U	25 U	25 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U
B178	10/04/2011	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	25 U	1.3 U	25 U	25 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U
B178	04/03/2012	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	33 U	1.7 U	33 U	1.7 U	33 U	33 U	1.7 U	1.7 U	1.7 U	1.7 U	3.3 U
B178	04/02/2013	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	25 U	1.3 U	25 U	25 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U
B178	04/08/2014	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U	1 U	20 U	20 UJ	1 U	1 U	1 U	1 U	2 U
B180	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B180	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B180	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B180	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B180	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B185	09/02/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B185	04/15/2011	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	14 U	0.7 U	14 U	0.7 U	14 U	14 U	0.7 U	0.7 U	0.7 U	0.7 U	1.4 U
B185	04/15/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.1 J	0.5 U	0.5 U	0.5 U	1 U
B185	10/03/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.1 J	0.5 U	0.5 U	0.5 U	1 U
B185	10/03/2011	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	14 U	0.7 U	14 U	0.7 U	14 U	14 U	0.7 U	0.7 U	0.7 U	0.7 U	1.4 U
B185	04/02/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.1 J	0.5 U	0.5 U	0.5 U	1 U
B185	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.2 J	0.5 U	0.5 U	0.5 U	1 U
B185	04/08/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.1 J	0.5 U	0.5 U	0.5 U	1 U
B194	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1 J	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B194	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B194	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B194	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
B195	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B195	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B195	04/13/2011	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	14 U	0.7 U	14 U	0.7 U	14 U	14 U	0.7 U	0.7 U	0.7 U	0.7 U	1.4 U
B195	10/04/2011	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	25 U	1.3 U	25 U	25 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U
B195	04/03/2012	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U	1 U	20 U	20 UJ	1 U	1 U	1 U	1 U	2 U
B195	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B195	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B195	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B195	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B197	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B197	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B197	04/13/2011	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	33 U	1.7 U	33 U	1.7 U	33 U	33 U	1.7 U	1.7 U	1.7 U	1.7 U	3.3 U
B197	10/04/2011	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	33 U	1.7 U	33 U	1.7 U	33 U	33 U	1.7 U	1.7 U	1.7 U	1.7 U	3.3 U
B197	04/03/2012	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U	1 U	20 U	20 UJ	1 U	1 U	1 U	1 U	2 U
B197	04/03/2012	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U	1 U	20 U	20 U	1 U	1 U	1 U	1 U	2 U
B197R	04/08/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B197R	04/08/2014	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U	1 U	20 U	20 U	1 U	1 U	1 U	1 U	2 U
B277	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B277	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B277	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B277	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B277	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B277	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
B278	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	12	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B278	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B278	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B278	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B278	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B278	04/09/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B280A	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B280A	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B280A	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B280A	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B280A	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B280A	04/09/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B280B	10/01/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B280B	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B280B	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B280B	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B300	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B300	04/15/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B300	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	1.5 J	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B300	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B38	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B38	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B38	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B38	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B38	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
B450	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B450	10/10/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B450	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B450	04/03/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B450	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B460	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	27	0.5 U	NA	0.5 U	NA	22	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B460	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B460	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B460	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B473	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B473	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B473	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B473	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B473	04/03/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B473	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B473	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B474	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	180	0.5 U	NA	0.5 U	NA	40 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B474	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B474	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B474	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B480	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	3.2 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B480	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B480	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B480	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B480	04/03/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B480	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
B490	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
B490	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B490	10/10/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
B490	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
BULB1	10/19/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	2.3 J	2.3	0.5 U	0.5 U	0.5 U	0.5 U
BULB1	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
BULB1	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
BULB1	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
BULB1	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
BULB1	04/10/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
BULB2	10/19/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	3.3 J	4.1	0.5 U	0.5 U	0.5 U	0.5 U
BULB2	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
BULB2	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
BULB2	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
BULB2	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
BULB2	04/10/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC1	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	2.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC1	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC1	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC1	04/10/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC2	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC2	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC2	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC2	04/10/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC2	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC2	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC2	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
CCC3	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	30	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC3	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	32	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CCC3	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC3	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC3	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC3	04/10/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC3	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCC3	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCCT	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	3.2 J	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CCCT	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCCT	10/03/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCCT	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCCT	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CCCT	04/08/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CTP	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	35 J	0.5 U	NA	0.5 U	NA	7 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CTP	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	17 J	0.5 U	NA	0.5 U	NA	4.4 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CTP	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CTP	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CTP	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CTP	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CTP	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CTP	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CTP	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CTPDEEP	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
CTPS	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CTPS	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CTPS	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
CTPS	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
DH	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	2.4 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DH	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
DH	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
DH	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	15 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
EERC	10/01/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
EERC	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
EERC	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
EERC	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
EERC	04/08/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
EERC	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
EPA	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
EPA	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
EPA	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
EPA	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
EPA	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
EPA	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
EPA	04/10/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
ETA	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETA	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETA	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
ETA	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
ETA	04/10/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
ETA	04/10/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
ETA	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
ETA	04/08/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
EXT	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
FG	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	2.7 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
FG	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
FG	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
FG	10/10/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
FG	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
GEO	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
GEO	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
GEO	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
GEO	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
GEO	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
GEO	04/09/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
MFA	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MFA	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
MFA	10/03/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
MFA	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
MFA	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
MFA	04/08/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
NRLF	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	200	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
NRLF	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
NRLF	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
NRLF	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
OBS6	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
PZ11	10/01/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ11	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
PZ11	10/10/2011	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	63 U	3.1 U	63 U	3.1 U	63 U	63 U	3.1 U	3.1 U	3.1 U	3.1 U	6.3 U
PZ11	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
PZ11	04/05/2013	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	25 U	1.3 U	25 U	25 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U
PZ11	04/05/2013	2 U	2 U	2 U	2 U	2 U	40 U	2 U	40 U	2 U	40 U	40 U	2 U	2 U	2 U	2 U	4 U
PZ11	04/09/2014	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	50 U	2.5 U	50 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
PZ8	10/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ8	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
PZ8	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
PZ8	04/03/2012	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
PZ9	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PZ9	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
PZ9	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
PZ9	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
PZ9	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
PZ9	04/03/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
PZ9	04/09/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
RWF	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
RWF	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
RWF	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
RWF	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
RWF	04/08/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
RWF	04/09/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
TP1	09/29/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TP1	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
TP1	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
TP1	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
TP1	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
TP1	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
TP2	09/29/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	4 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TP2	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
TP2	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
TP2	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
TP2	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
TP2	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
TP2	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U
WTA	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.5 U	NA	0.5 U	NA	2 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
WTA	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
WTA	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
WTA	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
WTA	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
WTA	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
WTA	04/10/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	10 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cis-1,2-Dichloroethene	Cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethyl tert-butyl ether	Ethylbenzene	Freon 113	Freon 12
B120	09/09/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.1	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B120	04/15/2011	2.5 U	1.3 U	1.3 U	1.3 U	2.5 U	0.3 J	2.5 U	3.6	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	5 U	2.5 U
B120	10/04/2011	4 U	2 U	2 U	2 U	4 U	2 U	4 U	3.5	2 U	2 U	2 U	NA	2 U	2 U	8 U	4 U
B120	04/03/2012	2.5 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	2.5 U	3	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	5 U	2.5 U
B120	04/02/2013	4 U	2 U	2 U	2 U	4 U	2 U	4 U	3.4	2 U	2 U	2 U	NA	2 U	2 U	8 U	4 U
B120	04/01/2014	2.5 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	2.5 U	3.8	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	5 U	2.5 U
B121	09/08/2010	0.5 U	NA	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
B121	04/13/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B121	10/04/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B121	04/04/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.1 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B128	09/23/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
B128	09/23/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
B128	04/18/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B128	10/04/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B128	04/02/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
B150	09/08/2010	0.5 U	NA	0.5 U	0.5 U	0.5 UJ	1.4	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
B150	04/13/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B150	10/05/2011	1 UJ	0.5 U	0.5 U	0.5 U	1 U	0.6	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
B150	10/05/2011	1 UJ	0.5 U	0.5 U	0.5 U	1 U	0.5 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
B150	04/04/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B150	04/04/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B158	09/08/2010	0.5 U	NA	0.5 U	0.5 U	0.5 UJ	4	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
B158	04/15/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	1.6	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B158	10/05/2011	1 UJ	0.5 U	0.5 U	0.5 U	1 U	2	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
B158	04/06/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	1.6 UJ	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cis-1,2-Dichloroethene	Cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethyl tert-butyl ether	Ethylbenzene	Freon 113	Freon 12
B163	09/02/2010	0.5 U	NA	0.5 U	6.5	0.5 U	2.1	0.5 U	3	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B163	04/12/2011	1 U	0.5 U	0.5 U	8.4	1 U	2.3	1 U	3.2	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B163	10/03/2011	1 U	0.5 U	0.5 U	7.6	1 U	2.4	1 U	3.6	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B163	04/02/2012	1 U	0.5 U	0.5 U	7.5	1 U	2.3	1 U	3	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
B163	04/03/2013	1 U	0.5 U	0.5 U	6.9	1 U	2.2	1 U	3.6	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B163	04/01/2014	1 U	0.5 U	0.5 U	6.9	1 U	1.9	1 U	4.2	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B175S	09/03/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B175S	04/13/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B175S	10/04/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.2 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B175S	04/04/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B175S	04/02/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.1 J	1 U	0.2 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B175S	04/01/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B175W	09/08/2010	0.5 U	NA	0.5 U	0.5 U	0.5 UJ	0.4 J	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
B175W	04/13/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.2 J	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B175W	10/04/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.2 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B175W	04/04/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.3 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B175W	04/02/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B175W	04/01/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.1 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B177	09/23/2010	0.5 UJ	NA	0.5 U	0.5 U	0.5 U	9.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 UJ	NA
B177	04/18/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	2.7	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B177	10/05/2011	1 UJ	0.5 U	0.5 U	0.5 U	1 U	6.5	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
B177	04/04/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.9	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cis-1,2-Dichloroethene	Cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethyl tert-butyl ether	Ethylbenzene	Freon 113	Freon 12
B178	09/02/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	2.5	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B178	04/15/2011	2.5 U	1.3 U	1.3 U	1.3 U	2.5 U	0.4 J	2.5 U	2.7	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	5 U	2.5 U
B178	10/04/2011	2.5 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	2.5 U	3.2	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	5 U	2.5 U
B178	04/03/2012	3.3 U	1.7 U	1.7 U	1.7 U	3.3 U	1.7 U	3.3 U	2.3	1.7 U	1.7 U	1.7 U	NA	1.7 U	1.7 U	6.7 U	3.3 U
B178	04/02/2013	2.5 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	2.5 U	3.4	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	5 U	2.5 U
B178	04/08/2014	2 U	0.5 J	1 U	1 U	2 U	1 U	2 U	3	1 U	1 U	1 U	NA	1 U	1 U	4 U	2 U
B180	09/15/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	1.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B180	04/13/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.3 J	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B180	10/06/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.4 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B180	10/06/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.4 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B180	04/04/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.1 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B185	09/02/2010	0.5 U	NA	4.3	1.2	0.5 U	1.3	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B185	04/15/2011	1.4 U	0.7 U	3.5	1	1.4 U	0.8	1.4 U	1	0.7 U	0.7 U	0.7 U	NA	0.7 U	0.7 U	2.9 U	1.4 U
B185	04/15/2011	1 U	0.5 U	4.7	1.1	1 U	1.2	1 U	1.5	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B185	10/03/2011	1 U	0.5 U	5.6	1.6	1 U	1.4	1 U	1.4	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B185	10/03/2011	1.4 U	0.7 U	4.1	1.1	1.4 U	1	1.4 U	1.3	0.7 U	0.7 U	0.7 U	NA	0.7 U	0.7 U	2.9 U	1.4 U
B185	04/02/2012	1 U	0.5 U	4.8	1.2	1 U	0.9	1 U	1.1	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
B185	04/02/2013	1 U	0.5 U	8.1	1.7	1 U	1.8	1 U	1.8	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B185	04/08/2014	1 U	0.5 U	4.4	1	1 U	1.1	1 U	1.5	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B194	09/09/2010	0.5 U	NA	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
B194	04/13/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B194	10/04/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B194	04/04/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cis-1,2-Dichloroethene	Cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethyl tert-butyl ether	Ethylbenzene	Freon 113	Freon 12
B195	09/09/2010	0.5 U	NA	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	3.7	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
B195	04/13/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	1.4	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B195	04/13/2011	1.4 U	0.7 U	0.7 U	0.7 U	1.4 U	0.7 U	1.4 UJ	1	0.7 U	0.7 U	0.7 U	NA	0.7 U	0.7 U	2.9 U	1.4 U
B195	10/04/2011	2.5 U	1.3 UJ	1.3 U	0.9 J	2.5 U	1.3 U	2.5 UJ	4.1	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	5 U	2.5 U
B195	04/03/2012	2 U	1 U	1 U	0.9 J	2 U	1 U	2 U	1.7	1 U	1 U	1 U	NA	1 U	1 U	4 U	2 U
B195	04/02/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	3.1	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B195	04/02/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	3	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B195	04/02/2014	1 U	0.5 U	0.5 U	2	1 U	0.1 J	1 U	3.9	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B195	04/02/2014	1 U	0.5 U	0.5 U	2.1	1 U	0.1 J	1 U	3.7	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B197	09/09/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B197	09/09/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B197	04/13/2011	3.3 U	1.7 U	1.7 U	1.7 U	3.3 U	1.7 U	3.3 UJ	2.2	1.7 U	1.7 U	1.7 U	NA	1.7 U	1.7 U	6.7 U	3.3 U
B197	10/04/2011	3.3 U	1.7 U	1.7 U	1.7 U	3.3 U	1.7 U	3.3 U	3.6	1.7 U	1.7 U	1.7 U	NA	1.7 U	1.7 U	6.7 U	3.3 U
B197	04/03/2012	2 U	1 U	1 U	1 U	2 U	1 U	2 U	2.3	1 U	1 U	1 U	NA	1 U	1 U	4 U	2 U
B197	04/03/2012	2 U	1 U	1 U	1 U	2 U	1 U	2 U	2.5	1 U	1 U	1 U	NA	1 U	1 U	4 U	2 U
B197R	04/08/2013	1 U	0.5 U	0.5 U	0.2 J	1 U	0.1 J	1 U	3.3	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B197R	04/08/2014	2 U	1 U	1 U	1 U	2 U	1 U	2 U	2.9	1 U	1 U	1 U	NA	1 U	1 U	4 U	2 U
B277	09/15/2010	0.5 U	NA	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B277	04/18/2011	1 U	0.5 U	1	0.5 U	1 U	0.3 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B277	10/05/2011	1 UJ	0.5 U	0.8	0.5 U	1 U	0.3 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
B277	04/03/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B277	04/04/2013	1 U	0.5 U	0.5	0.5 U	1 U	0.3 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B277	04/02/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cis-1,2-Dichloroethene	Cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethyl tert-butyl ether	Ethylbenzene	Freon 113	Freon 12
B278	09/16/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	1.7	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B278	04/19/2011	1 U	0.5 U	0.3 J	0.5 U	1 U	2.1	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B278	10/05/2011	1 UJ	0.5 U	0.1 J	0.5 U	1 U	0.9	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
B278	04/05/2012	1 U	0.5 U	0.2 J	0.5 U	1 U	1	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B278	04/04/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.4 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B278	04/09/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.4 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B280A	09/16/2010	0.5 U	NA	0.9	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B280A	04/14/2011	1 U	0.5 U	1.1	0.5 U	1 U	0.2 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B280A	10/06/2011	1 U	0.5 U	1.4	0.5 U	1 U	0.1 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B280A	04/03/2012	1 U	0.5 U	0.9	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B280A	04/04/2013	1 U	0.5 U	1.3	0.5 U	1 U	0.3 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B280A	04/09/2014	1 U	0.5 U	0.5	0.5 U	1 U	0.1 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B280B	10/01/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B280B	04/14/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.1 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B280B	10/06/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B280B	04/03/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B300	09/09/2010	0.5 U	NA	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
B300	04/15/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B300	10/06/2011	0.3 J	0.5 U	0.5 U	0.5 U	1 U	0.5 U	5.1	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B300	04/09/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B38	09/15/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B38	04/19/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B38	04/19/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.1 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B38	10/06/2011	0.4 J	0.5 U	0.5 U	0.5 U	1 U	0.5 U	3.1	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B38	04/04/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cis-1,2-Dichloroethene	Cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethyl tert-butyl ether	Ethylbenzene	Freon 113	Freon 12
B450	04/19/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.2 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B450	10/10/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.2 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B450	04/06/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 UJ	1 U	0.3 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
B450	04/03/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B450	04/03/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.1 J	1 U	1	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B460	09/15/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B460	04/20/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B460	10/07/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B460	04/06/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
B473	09/24/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
B473	04/20/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B473	10/07/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B473	04/06/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
B473	04/03/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B473	04/03/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	2.6	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B473	04/03/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	2.8	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B474	09/23/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
B474	04/20/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B474	10/07/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B474	04/09/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B480	09/24/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
B480	04/19/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B480	10/07/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.9	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B480	04/09/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B480	04/03/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B480	04/03/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.2 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cis-1,2-Dichloroethene	Cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethyl tert-butyl ether	Ethylbenzene	Freon 113	Freon 12
B490	09/16/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
B490	04/20/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B490	10/10/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
B490	04/09/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
BULB1	10/19/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
BULB1	04/12/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
BULB1	09/30/2011	1 U	0.6	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
BULB1	04/05/2012	1 U	0.4 J	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
BULB1	04/05/2013	0.4 J	2.9	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
BULB1	04/10/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
BULB2	10/19/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
BULB2	04/12/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
BULB2	09/30/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.4 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
BULB2	04/05/2012	1 U	0.5 U	0.5 U	0.3 J	1 U	0.5 U	1 U	0.3 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.1 J	2 U	1 U
BULB2	04/05/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.4 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
BULB2	04/10/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC1	09/08/2010	0.5 U	NA	0.5 U	0.5 U	0.5 UJ	1.2	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
CCC1	04/14/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.4 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC1	10/05/2011	1 UJ	0.5 U	0.5 U	0.5 U	1 U	0.2 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
CCC1	04/10/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.1 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC2	09/08/2010	0.5 U	NA	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
CCC2	04/14/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC2	10/04/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.1 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC2	04/10/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC2	04/02/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.2 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC2	04/02/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.1 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC2	04/02/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.3 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cis-1,2-Dichloroethene	Cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethyl tert-butyl ether	Ethylbenzene	Freon 113	Freon 12
CCC3	09/03/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
CCC3	09/03/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
CCC3	04/12/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC3	10/04/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC3	10/04/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC3	04/10/2012	1 U	0.5 J	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC3	04/02/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCC3	04/02/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCCT	09/03/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
CCCT	04/18/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	1.1	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCCT	10/03/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	1.3	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCCT	04/04/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	1.4	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCCT	04/02/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	1.7	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CCCT	04/08/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	2.2	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CTP	09/30/2010	0.5 U	NA	19	0.5 U	0.5 U	8.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
CTP	09/30/2010	0.5 U	NA	20	0.5 U	0.5 U	8.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
CTP	04/14/2011	1 U	0.5 U	16	0.5 U	1 U	5.5	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CTP	10/06/2011	1 U	0.5 U	25	0.5 U	1 U	7.6	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CTP	04/03/2012	1 U	0.5 U	14	0.5 U	1 U	6.6	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CTP	04/03/2012	1 U	0.5 U	22	0.5 U	1 U	7	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CTP	04/04/2013	1 U	0.5 U	18	0.5 U	1 U	8.4	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CTP	04/03/2014	1 U	0.5 U	14	0.5 U	1 U	6.5	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CTP	04/03/2014	1 U	0.5 U	15	0.5 U	1 U	7.4	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CTPDEEP	04/03/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cis-1,2-Dichloroethene	Cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethyl tert-butyl ether	Ethylbenzene	Freon 113	Freon 12
CTPS	09/30/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	6.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
CTPS	04/19/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CTPS	10/07/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
CTPS	04/05/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
DH	09/30/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
DH	04/14/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
DH	10/05/2011	1 UJ	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
DH	04/05/2012	1 U	24	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
EERC	10/01/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
EERC	04/20/2011	1 UJ	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
EERC	10/07/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
EERC	04/06/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
EERC	04/08/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
EERC	04/03/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
EPA	09/16/2010	0.5 U	NA	1.8	0.5 U	0.5 U	2.3	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
EPA	04/19/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.2 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
EPA	10/06/2011	1 U	0.5 U	0.5 U	0.1 J	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
EPA	04/06/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
EPA	04/06/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
EPA	04/04/2013	1 U	0.5 U	0.5 U	0.2 J	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
EPA	04/10/2014	1 U	0.5 U	0.5 U	0.2 J	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cis-1,2-Dichloroethene	Cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethyl tert-butyl ether	Ethylbenzene	Freon 113	Freon 12
ETA	09/24/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
ETA	09/24/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
ETA	04/12/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.7	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
ETA	09/30/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	1.7	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
ETA	04/10/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	2.1	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
ETA	04/10/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	2	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
ETA	04/05/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	2.4	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
ETA	04/08/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	3.6	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
EXT	09/30/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
FG	09/23/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
FG	04/19/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
FG	04/19/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
FG	10/10/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
FG	04/09/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
GEO	09/03/2010	0.5 U	NA	1.1	0.5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
GEO	04/20/2011	1 U	0.5 U	1.2	0.5 U	1 U	0.7	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
GEO	10/06/2011	1 U	0.5 U	1	0.5 U	1 U	0.5	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
GEO	04/06/2012	1 U	0.5 U	0.9	0.5 U	1 U	0.8 UJ	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
GEO	04/04/2013	1 U	0.5 U	1	0.5 U	1 U	0.7	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
GEO	04/09/2014	1 U	0.5 U	0.9	0.5 U	1 U	0.7	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
MFA	09/24/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
MFA	04/12/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
MFA	10/03/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	1.7	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
MFA	04/05/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	1	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
MFA	04/05/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	2.2	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
MFA	04/08/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	1.7	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cis-1,2-Dichloroethene	Cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethyl tert-butyl ether	Ethylbenzene	Freon 113	Freon 12
NRLF	09/16/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
NRLF	04/20/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
NRLF	10/06/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
NRLF	04/09/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
OBS6	09/30/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
PZ11	10/01/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
PZ11	04/20/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
PZ11	10/10/2011	6.3 U	3.1 U	3.1 U	3.1 U	6.3 U	3.1 U	6.3 U	87	3.1 U	3.1 U	3.1 U	NA	3.1 U	3.1 U	13 U	6.3 U
PZ11	04/05/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.3 J	1 U	0.3 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
PZ11	04/05/2013	2.5 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	2.5 U	200	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	5 U	2.5 U
PZ11	04/05/2013	4 U	2 U	2 U	2 U	4 U	2 U	4 U	200	2 U	2 U	2 U	NA	2 U	2 U	8 U	4 U
PZ11	04/09/2014	5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	410	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	5 U
PZ8	10/15/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
PZ8	04/18/2011	0.1 J	0.5 U	0.5 U	0.5 U	1 U	0.4 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
PZ8	10/04/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.9	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
PZ8	04/03/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	1.4	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
PZ9	09/24/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
PZ9	04/20/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.3 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
PZ9	10/07/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UJ	0.6	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
PZ9	10/07/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UJ	0.7	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
PZ9	04/06/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	1.2	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
PZ9	04/03/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	1	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
PZ9	04/09/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	1.6	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cis-1,2-Dichloroethene	Cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethyl tert-butyl ether	Ethylbenzene	Freon 113	Freon 12
RWF	09/15/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
RWF	04/18/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
RWF	10/06/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
RWF	04/04/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
RWF	04/08/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
RWF	04/09/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
TP1	09/29/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
TP1	04/18/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
TP1	10/07/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UJ	0.2 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
TP1	04/05/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
TP1	04/04/2013	1 U	1.3	0.5 U	0.5 U	1 U	0.5 U	1 U	0.3 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
TP1	04/02/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
TP2	09/29/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	NA	0.5 U	0.5 U	NA
TP2	04/18/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
TP2	10/07/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UJ	0.2 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
TP2	04/09/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
TP2	04/09/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
TP2	04/04/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.2 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
TP2	04/02/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.2 J	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
WTA	09/30/2010	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
WTA	04/14/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
WTA	04/14/2011	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
WTA	10/05/2011	1 UJ	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 UJ
WTA	04/05/2012	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
WTA	04/05/2013	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U
WTA	04/10/2014	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	M,P-Xylene	Methyl Tert-Butyl Ether	Methylene Chloride	N-Butylbenzene	N-Propylbenzene	Naphthalene	O-Xylene	P-Isopropyltoluene	Sec-Butylbenzene	Styrene	Tert Butyl Alcohol	Tert-amyl methyl ether	Tert-Butylbenzene
B120	09/09/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B120	04/15/2011	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U
B120	10/04/2011	8 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	8 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U
B120	04/03/2012	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U
B120	04/02/2013	8 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	8 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U
B120	04/01/2014	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U
B121	09/08/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B121	04/13/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B121	10/04/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B121	04/04/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B128	09/23/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B128	09/23/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B128	04/18/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B128	10/04/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B128	04/02/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B150	09/08/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B150	04/13/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B150	10/05/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B150	10/05/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B150	04/04/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B150	04/04/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B158	09/08/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B158	04/15/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B158	10/05/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B158	04/06/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	M,P-Xylene	Methyl Tert-Butyl Ether	Methylene Chloride	N-Butylbenzene	N-Propylbenzene	Naphthalene	O-Xylene	P-Isopropyltoluene	Sec-Butylbenzene	Styrene	Tert Butyl Alcohol	Tert-amyl methyl ether	Tert-Butylbenzene
B163	09/02/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B163	04/12/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B163	10/03/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B163	04/02/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B163	04/03/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 UJ	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B163	04/01/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B175S	09/03/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B175S	04/13/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B175S	10/04/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B175S	04/04/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B175S	04/02/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B175S	04/01/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B175W	09/08/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B175W	04/13/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B175W	10/04/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B175W	04/04/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B175W	04/02/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B175W	04/01/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B177	09/23/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B177	04/18/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B177	10/05/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B177	04/04/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	M,P-Xylene	Methyl Tert-Butyl Ether	Methylene Chloride	N-Butylbenzene	N-Propylbenzene	Naphthalene	O-Xylene	P-Isopropyltoluene	Sec-Butylbenzene	Styrene	Tert Butyl Alcohol	Tert-amyl methyl ether	Tert-Butylbenzene
B178	09/02/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B178	04/15/2011	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U
B178	10/04/2011	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U
B178	04/03/2012	6.7 U	1.7 U	1.7 U	1.7 U	1.7 U	33 U	1.7 U	1.7 U	6.7 U	1.7 U	1.7 U	1.7 U	1.7 U	33 U	1.7 U	1.7 U
B178	04/02/2013	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U
B178	04/08/2014	4 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	4 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U
B180	09/15/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B180	04/13/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B180	10/06/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B180	10/06/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B180	04/04/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B185	09/02/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B185	04/15/2011	2.9 U	0.7 U	0.7 U	0.7 U	0.2 J	14 U	0.7 U	0.7 U	2.9 U	0.7 U	0.7 U	0.7 U	0.7 U	14 U	0.7 U	0.7 U
B185	04/15/2011	2 U	0.5 U	0.5 U	0.5 U	0.3 J	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B185	10/03/2011	2 U	0.5 U	0.5 U	0.5 U	0.2 J	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B185	10/03/2011	2.9 U	0.7 U	0.7 U	0.7 U	0.2 J	14 U	0.7 U	0.7 U	2.9 U	0.7 U	0.7 U	0.7 U	0.7 U	14 U	0.7 U	0.7 U
B185	04/02/2012	2 U	0.5 U	0.5 U	0.5 U	0.2 J	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B185	04/02/2013	2 U	0.5 U	0.5 U	0.5 U	0.3 J	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B185	04/08/2014	2 U	0.5 U	0.5 U	0.5 U	0.2 J	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B194	09/09/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B194	04/13/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B194	10/04/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B194	04/04/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	M,P-Xylene	Methyl Tert-Butyl Ether	Methylene Chloride	N-Butylbenzene	N-Propylbenzene	Naphthalene	O-Xylene	P-Isopropyltoluene	Sec-Butylbenzene	Styrene	Tert Butyl Alcohol	Tert-amyl methyl ether	Tert-Butylbenzene
B195	09/09/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B195	04/13/2011	2 UJ	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B195	04/13/2011	2.9 U	0.7 U	0.7 U	0.7 U	0.7 U	14 U	0.7 U	0.7 U	2.9 U	0.7 U	0.7 U	0.7 U	0.7 U	14 U	0.7 U	0.7 U
B195	10/04/2011	5 U	1.3 U	1.3 U	0.4 J	1.3 U	25 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U
B195	04/03/2012	4 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	4 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U
B195	04/02/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B195	04/02/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B195	04/02/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U
B195	04/02/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U
B197	09/09/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B197	09/09/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B197	04/13/2011	6.7 U	1.7 U	1.7 U	1.7 U	1.7 U	33 U	1.7 U	1.7 U	6.7 U	1.7 U	1.7 U	1.7 U	1.7 U	33 U	1.7 U	1.7 U
B197	10/04/2011	6.7 U	1.7 U	1.7 U	1.7 U	1.7 U	33 U	1.7 U	1.7 U	6.7 U	1.7 U	1.7 U	1.7 U	1.7 U	33 U	1.7 U	1.7 U
B197	04/03/2012	4 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	4 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U
B197	04/03/2012	4 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	4 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U
B197R	04/08/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B197R	04/08/2014	4 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	4 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U
B277	09/15/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B277	04/18/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B277	10/05/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B277	04/03/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B277	04/04/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B277	04/02/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	M,P-Xylene	Methyl Tert-Butyl Ether	Methylene Chloride	N-Butylbenzene	N-Propylbenzene	Naphthalene	O-Xylene	P-Isopropyltoluene	Sec-Butylbenzene	Styrene	Tert Butyl Alcohol	Tert-amyl methyl ether	Tert-Butylbenzene
B278	09/16/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B278	04/19/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B278	10/05/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B278	04/05/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B278	04/04/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B278	04/09/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B280A	09/16/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B280A	04/14/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B280A	10/06/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B280A	04/03/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B280A	04/04/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B280A	04/09/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B280B	10/01/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B280B	04/14/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B280B	10/06/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B280B	04/03/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B300	09/09/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B300	04/15/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.2 J	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B300	10/06/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	1.6 J	0.5 U	3.5	0.5 U	0.5 U	10 U	0.5 U	0.1 J
B300	04/09/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.2 J	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B38	09/15/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B38	04/19/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B38	04/19/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B38	10/06/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.2 J	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B38	04/04/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	M,P-Xylene	Methyl Tert-Butyl Ether	Methylene Chloride	N-Butylbenzene	N-Propylbenzene	Naphthalene	O-Xylene	P-Isopropyltoluene	Sec-Butylbenzene	Styrene	Tert Butyl Alcohol	Tert-amyl methyl ether	Tert-Butylbenzene
B450	04/19/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B450	10/10/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B450	04/06/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B450	04/03/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B450	04/03/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B460	09/15/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B460	04/20/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B460	10/07/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B460	04/06/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B473	09/24/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B473	04/20/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B473	10/07/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B473	04/06/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B473	04/03/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B473	04/03/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B473	04/03/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B474	09/23/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B474	04/20/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B474	10/07/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B474	04/09/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B480	09/24/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B480	04/19/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B480	10/07/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B480	04/09/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B480	04/03/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B480	04/03/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	M,P-Xylene	Methyl Tert-Butyl Ether	Methylene Chloride	N-Butylbenzene	N-Propylbenzene	Naphthalene	O-Xylene	P-Isopropyltoluene	Sec-Butylbenzene	Styrene	Tert Butyl Alcohol	Tert-amyl methyl ether	Tert-Butylbenzene
B490	09/16/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
B490	04/20/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B490	10/10/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
B490	04/09/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
BULB1	10/19/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
BULB1	04/12/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
BULB1	09/30/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
BULB1	04/05/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
BULB1	04/05/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
BULB1	04/10/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
BULB2	10/19/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
BULB2	04/12/2011	2 U	0.5 U	0.5 U	0.5 U	0.9	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
BULB2	09/30/2011	2 U	0.5 U	0.5 U	0.5 U	0.9	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
BULB2	04/05/2012	2 U	0.5 U	0.3 J	0.2 J	0.6	10 U	0.5 U	0.5 U	2 UJ	0.3 J	0.5 U	0.1 J	0.5 U	10 U	0.5 U	0.5 U
BULB2	04/05/2013	2 U	0.5 U	0.5 U	0.5 U	0.8	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
BULB2	04/10/2014	2 U	0.5 U	0.5 U	0.5 U	0.7	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC1	09/08/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
CCC1	04/14/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC1	10/05/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC1	04/10/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC2	09/08/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
CCC2	04/14/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC2	10/04/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC2	04/10/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC2	04/02/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC2	04/02/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC2	04/02/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	M,P-Xylene	Methyl Tert-Butyl Ether	Methylene Chloride	N-Butylbenzene	N-Propylbenzene	Naphthalene	O-Xylene	P-Isopropyltoluene	Sec-Butylbenzene	Styrene	Tert Butyl Alcohol	Tert-amyl methyl ether	Tert-Butylbenzene
CCC3	09/03/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
CCC3	09/03/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
CCC3	04/12/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC3	10/04/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC3	10/04/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC3	04/10/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC3	04/02/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCC3	04/02/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U
CCCT	09/03/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
CCCT	04/18/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCCT	10/03/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCCT	04/04/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCCT	04/02/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CCCT	04/08/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CTP	09/30/2010	0.5 U	NA	0.5 U	1 U	2 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
CTP	09/30/2010	0.5 U	NA	0.5 U	1 U	2 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
CTP	04/14/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CTP	10/06/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CTP	04/03/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CTP	04/03/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CTP	04/04/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CTP	04/03/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CTP	04/03/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CTPDEEP	04/03/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9 J	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	M,P-Xylene	Methyl Tert-Butyl Ether	Methylene Chloride	N-Butylbenzene	N-Propylbenzene	Naphthalene	O-Xylene	P-Isopropyltoluene	Sec-Butylbenzene	Styrene	Tert Butyl Alcohol	Tert-amyl methyl ether	Tert-Butylbenzene
CTPS	09/30/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
CTPS	04/19/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CTPS	10/07/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
CTPS	04/05/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
DH	09/30/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
DH	04/14/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
DH	10/05/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
DH	04/05/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.1 J	0.5 U	0.5 U	10 U	0.5 U	0.5 U
EERC	10/01/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
EERC	04/20/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
EERC	10/07/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
EERC	04/06/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
EERC	04/08/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
EERC	04/03/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
EPA	09/16/2010	0.5 U	NA	0.5 U	1 U	2 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
EPA	04/19/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
EPA	10/06/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
EPA	04/06/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
EPA	04/06/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
EPA	04/04/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
EPA	04/10/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	M,P-Xylene	Methyl Tert-Butyl Ether	Methylene Chloride	N-Butylbenzene	N-Propylbenzene	Naphthalene	O-Xylene	P-Isopropyltoluene	Sec-Butylbenzene	Styrene	Tert Butyl Alcohol	Tert-amyl methyl ether	Tert-Butylbenzene
ETA	09/24/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
ETA	09/24/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
ETA	04/12/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
ETA	09/30/2011	2 U	0.5 U	0.5 U	0.5 U	0.1 J	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
ETA	04/10/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
ETA	04/10/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
ETA	04/05/2013	2 U	0.5 U	0.5 U	0.5 U	0.1 J	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
ETA	04/08/2014	2 U	0.5 U	0.5 U	0.5 U	0.1 J	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
EXT	09/30/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
FG	09/23/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
FG	04/19/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
FG	04/19/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
FG	10/10/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
FG	04/09/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
GEO	09/03/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
GEO	04/20/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
GEO	10/06/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
GEO	04/06/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
GEO	04/04/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
GEO	04/09/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
MFA	09/24/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
MFA	04/12/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
MFA	10/03/2011	2 U	0.5 U	0.5 U	0.5 U	0.1 J	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
MFA	04/05/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
MFA	04/05/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
MFA	04/08/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	M,P-Xylene	Methyl Tert-Butyl Ether	Methylene Chloride	N-Butylbenzene	N-Propylbenzene	Naphthalene	O-Xylene	P-Isopropyltoluene	Sec-Butylbenzene	Styrene	Tert Butyl Alcohol	Tert-amyl methyl ether	Tert-Butylbenzene
NRLF	09/16/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
NRLF	04/20/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
NRLF	10/06/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
NRLF	04/09/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
OBS6	09/30/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
PZ11	10/01/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
PZ11	04/20/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
PZ11	10/10/2011	13 U	3.1 U	3.1 U	3.1 U	3.1 U	63 U	3.1 U	3.1 U	13 U	3.1 U	3.1 U	3.1 U	3.1 U	63 U	3.1 U	3.1 U
PZ11	04/05/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
PZ11	04/05/2013	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	1.3 U	1.3 U
PZ11	04/05/2013	8 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	8 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U
PZ11	04/09/2014	10 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U
PZ8	10/15/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
PZ8	04/18/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
PZ8	10/04/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
PZ8	04/03/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
PZ9	09/24/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
PZ9	04/20/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
PZ9	10/07/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
PZ9	10/07/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
PZ9	04/06/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
PZ9	04/03/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
PZ9	04/09/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	M,P-Xylene	Methyl Tert-Butyl Ether	Methylene Chloride	N-Butylbenzene	N-Propylbenzene	Naphthalene	O-Xylene	P-Isopropyltoluene	Sec-Butylbenzene	Styrene	Tert Butyl Alcohol	Tert-amyl methyl ether	Tert-Butylbenzene
RWF	09/15/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
RWF	04/18/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
RWF	10/06/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
RWF	04/04/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
RWF	04/08/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
RWF	04/09/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
TP1	09/29/2010	0.5 U	NA	0.5 U	1 U	2 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
TP1	04/18/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
TP1	10/07/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
TP1	04/05/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
TP1	04/04/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
TP1	04/02/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U
TP2	09/29/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
TP2	04/18/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
TP2	10/07/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
TP2	04/09/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
TP2	04/09/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
TP2	04/04/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
TP2	04/02/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 UJ	0.5 U	0.5 U
WTA	09/30/2010	0.5 U	NA	0.5 U	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
WTA	04/14/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
WTA	04/14/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
WTA	10/05/2011	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
WTA	04/05/2012	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
WTA	04/05/2013	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
WTA	04/10/2014	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
B120	09/09/2010	0.4 J	0.5 U	0.5 U	0.5 U	210	0.5 U	NA	0.5 U
B120	04/15/2011	1.3 U	1.3 U	1.3 U	1.3 U	170	2.5 U	25 U	1.3 U
B120	10/04/2011	0.4 J	2 U	0.4 J	2 U	180	4 U	40 U	2 U
B120	04/03/2012	0.7 J	1.3 U	1.3 U	1.3 U	190	2.5 U	25 U	1.3 U
B120	04/02/2013	2 U	2 U	2 U	2 U	190	4 U	40 U	2 U
B120	04/01/2014	0.6 J	1.3 U	0.4 J	1.3 U	160	2.5 U	25 U	1.3 U
B121	09/08/2010	0.3 J	0.5 U	0.5 U	0.5 U	0.8	0.5 U	NA	0.5 UJ
B121	04/13/2011	0.4 J	0.5 U	0.5 U	0.5 U	1.1	1 U	10 U	0.5 U
B121	10/04/2011	0.3 J	0.5 U	0.5 U	0.5 U	1.8	1 U	10 U	0.5 U
B121	04/04/2012	0.3 J	0.5 U	0.5 U	0.5 U	2	1 U	10 U	0.5 U
B128	09/23/2010	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
B128	09/23/2010	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
B128	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B128	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B128	04/02/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
B150	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 UJ
B150	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B150	10/05/2011	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
B150	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
B150	04/04/2012	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B150	04/04/2012	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B158	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 UJ
B158	04/15/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B158	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
B158	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
B163	09/02/2010	8.4	0.5 U	0.3 J	0.5 U	100	0.5 U	NA	0.7
B163	04/12/2011	9.5	0.5 U	0.4 J	0.5 U	77 J	1 U	10 UJ	1.2
B163	10/03/2011	12	0.5 U	0.4 J	0.5 U	70	1 U	10 U	0.8
B163	04/02/2012	11	0.5 U	0.4 J	0.5 U	78	1 U	10 UJ	0.9
B163	04/03/2013	11	0.5 U	0.5 J	0.5 U	78 J	1 U	10 U	0.9
B163	04/01/2014	9.3	0.5 U	0.6	0.5 U	80	1 U	10 U	1
B175S	09/03/2010	0.2 J	0.5 U	0.5 U	0.5 U	7.9	0.5 U	NA	0.5 U
B175S	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	5.3	1 U	10 U	0.5 U
B175S	10/04/2011	0.1 J	0.5 U	0.5 U	0.5 U	8.6	1 U	10 U	0.5 U
B175S	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	2.6	1 U	10 U	0.5 U
B175S	04/02/2013	0.2 J	0.5 U	0.5 U	0.5 U	10	1 U	10 U	0.5 U
B175S	04/01/2014	0.1 J	0.5 U	0.5 U	0.5 U	3.9	1 U	10 U	0.5 U
B175W	09/08/2010	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 UJ
B175W	04/13/2011	1.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B175W	10/04/2011	1.6	0.5 U	0.5 U	0.5 U	0.1 J	1 U	10 U	0.5 U
B175W	04/04/2012	2.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
B175W	04/02/2013	2	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B175W	04/01/2014	2.3	0.5 U	0.5 U	0.5 U	0.1 J	1 U	10 U	0.5 U
B177	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
B177	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B177	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
B177	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
B178	09/02/2010	0.2 J	0.5 U	0.4 J	0.5 U	360	0.5 U	NA	0.5 U
B178	04/15/2011	0.3 J	1.3 U	1.3 U	1.3 U	160	2.5 U	25 U	1.3 U
B178	10/04/2011	0.3 J	1.3 U	0.5 J	1.3 U	170	2.5 U	25 U	1.3 U
B178	04/03/2012	1.7 U	1.7 U	1.7 U	1.7 U	170	3.3 U	33 U	1.7 U
B178	04/02/2013	0.5 J	1.3 U	0.5 J	1.3 U	160	2.5 U	25 U	1.3 U
B178	04/08/2014	0.4 J	1 U	0.4 J	1 U	110	2 U	20 U	1 U
B180	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
B180	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B180	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B180	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B180	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B185	09/02/2010	0.4 J	0.5 U	0.5 U	0.5 U	150	0.5 U	NA	0.2 J
B185	04/15/2011	0.3 J	0.7 U	0.7 U	0.7 U	77	1.4 U	14 UJ	0.2 J
B185	04/15/2011	0.3 J	0.5 U	0.2 J	0.5 U	93	1 U	10 U	0.1 J
B185	10/03/2011	0.4 J	0.5 U	0.2 J	0.5 U	94	1 U	10 U	0.3 J
B185	10/03/2011	0.4 J	0.7 U	0.2 J	0.7 U	77	1.4 U	14 U	0.7 U
B185	04/02/2012	0.4 J	0.5 U	0.5 U	0.5 U	95	1 U	10 UJ	0.2 J
B185	04/02/2013	0.4 J	0.5 U	0.2 J	0.5 U	99	1 U	10 U	0.3 J
B185	04/08/2014	0.3 J	0.5 U	0.1 J	0.5 U	85	1 U	10 U	0.1 J
B194	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	2	0.5 U	NA	0.5 UJ
B194	04/13/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B194	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B194	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
B195	09/09/2010	3.1	0.5 U	0.4 J	0.5 U	140	0.5 U	NA	0.5 UJ
B195	04/13/2011	2.2	0.5 U	0.2 J	0.5 U	68	1 U	10 UJ	0.5 U
B195	04/13/2011	1.7	0.7 U	0.7 U	0.7 U	65	1.4 U	14 U	0.7 U
B195	10/04/2011	3	1.1 J	0.5 J	1.3 U	170 J	2.5 U	25 U	1.3 U
B195	04/03/2012	2.8	1 U	0.3 J	1 U	120	2 U	20 U	1 U
B195	04/02/2013	3.2	0.5 U	0.4 J	0.5 U	89	1 U	10 U	0.5 U
B195	04/02/2013	3.1	0.5 U	0.4 J	0.5 U	98	1 U	10 U	0.5 U
B195	04/02/2014	3.8	0.5 U	0.4 J	0.5 U	140	1 U	10 U	0.5 U
B195	04/02/2014	3.4	0.5 U	0.4 J	0.5 U	140	1 U	10 U	0.5 U
B197	09/09/2010	1	0.5 U	0.4 J	0.5 U	200	0.5 U	NA	0.5 U
B197	09/09/2010	1	0.5 U	0.4 J	0.5 U	170	0.5 U	NA	0.5 U
B197	04/13/2011	1.7 U	1.7 U	1.7 U	1.7 U	150	3.3 U	33 U	1.7 U
B197	10/04/2011	1.1 J	1.7 U	0.4 J	1.7 U	170	3.3 U	33 U	1.7 U
B197	04/03/2012	1.1	1 U	0.3 J	1 U	160	2 U	20 U	1 U
B197	04/03/2012	0.9 J	1 U	0.3 J	1 U	170	2 U	20 U	1 U
B197R	04/08/2013	1.5	0.5 U	0.4 J	0.5 U	150	1 U	10 U	0.5 U
B197R	04/08/2014	0.8 J	1 U	1 U	1 U	110	2 U	20 U	1 U
B277	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
B277	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B277	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
B277	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B277	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B277	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
B278	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	13 J	0.5 U	NA	0.5 U
B278	04/19/2011	0.1 J	0.5 U	0.5 U	0.5 U	15	1 U	10 UJ	0.5 U
B278	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	11	1 U	10 UJ	0.5 U
B278	04/05/2012	0.1 J	0.5 U	0.5 U	0.5 U	11	1 U	10 U	0.5 U
B278	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	8.9	1 U	10 U	0.5 U
B278	04/09/2014	0.1 J	0.5 U	0.5 U	0.5 U	6.5	1 U	10 U	0.5 U
B280A	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
B280A	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B280A	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B280A	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B280A	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B280A	04/09/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B280B	10/01/2010	0.5 U	0.5 U	0.5 U	0.5 UJ	1.8	0.5 U	NA	0.5 U
B280B	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B280B	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B280B	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B300	09/09/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.7	0.5 U	NA	0.5 UJ
B300	04/15/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B300	10/06/2011	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B300	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B38	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
B38	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
B38	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
B38	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B38	04/04/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
B450	04/19/2011	0.2 J	0.5 U	0.5 U	0.5 U	5	1 U	10 UJ	0.5 U
B450	10/10/2011	0.1 J	0.5 U	0.5 U	0.5 U	6.7	1 U	10 U	0.5 U
B450	04/06/2012	0.4 J	0.5 U	0.5 U	0.5 U	26	1 U	10 U	0.5 U
B450	04/03/2013	0.3 J	0.5 U	0.5 U	0.5 U	11	1 U	10 U	0.5 U
B450	04/03/2014	0.6	0.5 U	0.5 U	0.5 U	31	1 U	10 U	0.5 U
B460	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
B460	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
B460	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B460	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B473	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	12	0.5 U	NA	0.5 U
B473	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	3.4	1 U	10 UJ	0.5 U
B473	10/07/2011	0.1 J	0.5 U	0.5 U	0.5 U	6.1	1 U	10 U	0.5 U
B473	04/06/2012	0.2 J	0.5 U	0.5 U	0.5 U	6	1 U	10 U	0.5 U
B473	04/03/2013	0.3 J	0.5 U	0.5 U	0.5 U	8.8	1 U	10 U	0.5 U
B473	04/03/2014	0.9	0.5 U	0.5 U	0.5 U	37	1 U	10 U	0.5 U
B473	04/03/2014	1	0.5 U	0.5 U	0.5 U	37	1 U	10 U	0.5 U
B474	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
B474	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	1 U	10 UJ	0.5 U
B474	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B474	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B480	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	10	0.5 U	NA	0.5 U
B480	04/19/2011	0.1 J	0.5 U	0.5 U	0.5 U	9.1	1 U	10 UJ	0.5 U
B480	10/07/2011	0.2 J	0.5 U	0.5 U	0.5 U	13	1 U	10 U	0.5 U
B480	04/09/2012	0.2 J	0.5 U	0.5 U	0.5 U	14	1 U	10 U	0.5 U
B480	04/03/2013	0.5 J	0.5 U	0.5 U	0.5 U	23	1 U	10 U	0.5 U
B480	04/03/2014	0.4 J	0.5 U	0.5 U	0.5 U	21	1 U	10 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
B490	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
B490	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
B490	10/10/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
B490	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
BULB1	10/19/2010	0.5 U	3.4	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
BULB1	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
BULB1	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
BULB1	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
BULB1	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
BULB1	04/10/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
BULB2	10/19/2010	0.5 U	6.8	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
BULB2	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	1 U	10 UJ	0.5 U
BULB2	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	1	1 U	10 U	0.5 U
BULB2	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	1 U	10 U	0.5 U
BULB2	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	1.5	1 U	10 U	0.5 U
BULB2	04/10/2014	0.5 U	0.5 U	0.5 U	0.5 U	1.7	1 U	10 U	0.5 U
CCC1	09/08/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 UJ
CCC1	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
CCC1	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
CCC1	04/10/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
CCC2	09/08/2010	2.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 UJ
CCC2	04/14/2011	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
CCC2	10/04/2011	2.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
CCC2	04/10/2012	1.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
CCC2	04/02/2013	1.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
CCC2	04/02/2013	2.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
CCC2	04/02/2014	3.3	0.5 U	0.5 U	0.5 U	0.1 J	1 U	10 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
CCC3	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	6	0.5 U	NA	0.5 U
CCC3	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	6.2	0.5 U	NA	0.5 U
CCC3	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.7	1 U	10 UJ	0.5 U
CCC3	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	1.9	1 U	10 U	0.5 U
CCC3	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	1.9	1 U	10 U	0.5 U
CCC3	04/10/2012	0.5 U	0.5 U	0.5 U	0.5 U	1.3	1 U	10 U	0.5 U
CCC3	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	1 U	10 U	0.5 U
CCC3	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	1	1 U	10 U	0.5 U
CCCT	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	120	0.5 U	NA	0.5 U
CCCT	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	84	1 U	10 U	0.5 U
CCCT	10/03/2011	0.5 U	0.5 U	0.1 J	0.5 U	79	1 U	10 U	0.5 U
CCCT	04/04/2012	0.5 U	0.5 U	0.1 J	0.5 U	85	1 U	10 U	0.5 U
CCCT	04/02/2013	0.5 U	0.5 U	0.5 U	0.5 U	90	1 U	10 U	0.5 U
CCCT	04/08/2014	0.1 J	0.5 U	0.2 J	0.5 U	97	1 U	10 U	0.5 U
CTP	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	NA	0.5 U
CTP	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	NA	0.5 U
CTP	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1 U	10 U	0.5 U
CTP	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	1 U	10 U	0.5 U
CTP	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	1 U	10 U	0.5 U
CTP	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1 U	10 U	0.5 U
CTP	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	1 U	10 U	0.5 U
CTP	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	1 U	10 U	0.5 U
CTP	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	1 U	10 U	0.5 U
CTPDEEP	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
CTPS	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	NA	0.5 U
CTPS	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
CTPS	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
CTPS	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
DH	09/30/2010	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	NA	0.5 U
DH	04/14/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
DH	10/05/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
DH	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
EERC	10/01/2010	0.3 J	0.5 U	0.5 U	0.5 U	6.8	0.5 U	NA	0.5 UJ
EERC	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
EERC	10/07/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
EERC	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
EERC	04/08/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
EERC	04/03/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
EPA	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.6	0.5 U	NA	0.5 U
EPA	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
EPA	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
EPA	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
EPA	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
EPA	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
EPA	04/10/2014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
ETA	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	12	0.5 U	NA	0.5 U
ETA	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	14	0.5 U	NA	0.5 U
ETA	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	7.3	1 U	10 UJ	0.5 U
ETA	09/30/2011	0.3 J	0.5 U	0.3 J	0.5 U	17	1 U	10 U	0.5 U
ETA	04/10/2012	0.5 U	0.5 U	1	0.5 U	9.2	1 U	10 U	0.5 U
ETA	04/10/2012	0.5 U	0.5 U	0.9	0.5 U	9.3	1 U	10 U	0.5 U
ETA	04/05/2013	0.2 J	0.5 U	0.9	0.5 U	16	1 U	10 U	0.5 U
ETA	04/08/2014	0.2 J	0.5 U	1.6	0.5 U	16	1 U	10 U	0.5 U
EXT	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
FG	09/23/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
FG	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
FG	04/19/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
FG	10/10/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1 U	10 U	0.5 U
FG	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
GEO	09/03/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.5 U	NA	0.5 U
GEO	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
GEO	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
GEO	04/06/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
GEO	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
GEO	04/09/2014	0.1 J	0.5 U	0.5 U	0.5 U	0.1 J	1 U	10 U	0.5 U
MFA	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	5.7	0.5 U	NA	0.5 U
MFA	04/12/2011	0.5 U	0.5 U	0.5 U	0.5 U	3.1	1 U	10 UJ	0.5 U
MFA	10/03/2011	0.5 U	0.5 U	0.5 U	0.5 U	8.2	1 U	10 U	0.2 J
MFA	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	5.4	1 U	10 U	0.5 U
MFA	04/05/2013	0.5 U	0.5 U	0.5 U	0.5 U	13	1 U	10 U	0.2 J
MFA	04/08/2014	0.5 U	0.5 U	0.5 U	0.5 U	15	1 U	10 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
NRLF	09/16/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
NRLF	04/20/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 UJ	0.5 U
NRLF	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
NRLF	04/09/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
OBS6	09/30/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
PZ11	10/01/2010	67	0.5 U	2.4	0.5 UJ	690	0.5 U	NA	0.6
PZ11	04/20/2011	1.2	0.5 U	0.5 U	0.5 U	8.1	1 U	10 UJ	0.5 U
PZ11	10/10/2011	53	3.1 U	9.6	3.1 U	490	6.3 U	63 U	3.1 U
PZ11	04/05/2012	0.9	0.5 U	0.5 U	0.5 U	9.7	1 U	10 U	0.5 U
PZ11	04/05/2013	12	1.3 U	56	1.3 U	240	2.5 U	25 U	0.9 J
PZ11	04/05/2013	12	2 U	57	2 U	240	4 U	40 U	0.8 J
PZ11	04/09/2014	3.5	2.5 U	61	2.5 U	120	5 U	50 U	5.8
PZ8	10/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
PZ8	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
PZ8	10/04/2011	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U
PZ8	04/03/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	1 U	10 U	0.5 U
PZ9	09/24/2010	0.5 U	0.5 U	0.5 U	0.5 U	16	0.5 U	NA	0.5 U
PZ9	04/20/2011	0.2 J	0.5 U	0.5 U	0.5 U	11	1 U	10 UJ	0.5 U
PZ9	10/07/2011	0.3 J	0.5 U	0.5 U	0.5 U	28	1 U	10 U	0.5 U
PZ9	10/07/2011	0.4 J	0.5 U	0.5 U	0.5 U	27	1 U	10 U	0.5 U
PZ9	04/06/2012	0.6	0.5 U	0.5 U	0.5 U	65 J	1 U	10 UJ	0.5 U
PZ9	04/03/2013	1.2	0.5 U	0.5 U	0.5 U	64	1 U	10 U	0.5 U
PZ9	04/09/2014	1.1	0.5 U	0.5 U	0.5 U	69	1 U	10 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

VOCs (µg/L)

Location ID	Sample Date	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
RWF	09/15/2010	0.5 U	0.5 U	0.5 U	0.5 U	4.4	0.5 U	NA	0.5 U
RWF	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	2.8	1 U	10 U	0.5 U
RWF	10/06/2011	0.5 U	0.5 U	0.5 U	0.5 U	5	1 U	10 U	0.5 U
RWF	04/04/2012	0.1 J	0.5 U	0.5 U	0.5 U	2.8	1 U	10 U	0.5 U
RWF	04/08/2013	0.1 J	0.5 U	0.5 U	0.5 U	4.9	1 U	10 U	0.5 U
RWF	04/09/2014	0.1 J	0.5 U	0.5 U	0.5 U	4	1 U	10 U	0.5 U
TP1	09/29/2010	0.5 U	0.5 U	0.5 UJ	0.5 U	13	0.5 U	NA	0.5 U
TP1	04/18/2011	0.5 U	0.5 U	0.5 U	0.5 U	1.8	1 U	10 U	0.5 U
TP1	10/07/2011	0.1 J	0.5 U	0.5 U	0.5 U	8.5	1 U	10 U	0.5 U
TP1	04/05/2012	0.5 U	0.5 U	0.5 U	0.5 U	3.8	1 U	10 U	0.5 U
TP1	04/04/2013	0.5 U	0.5 U	0.5 U	0.5 U	6.3	1 U	10 U	0.5 U
TP1	04/02/2014	0.5 U	0.5 U	0.5 U	0.5 U	4.2	1 U	10 U	0.5 U
TP2	09/29/2010	0.2 J	0.5 U	0.5 U	0.5 U	15	0.5 U	NA	0.5 U
TP2	04/18/2011	0.3 J	0.5 U	0.5 U	0.5 U	12	1 U	10 U	0.5 U
TP2	10/07/2011	0.3 J	0.5 U	0.5 U	0.5 U	14	1 U	10 U	0.5 U
TP2	04/09/2012	0.3 J	0.5 U	0.5 U	0.5 U	13	1 U	10 U	0.5 U
TP2	04/09/2012	0.2 J	0.5 U	0.5 U	0.5 U	12	1 U	10 U	0.5 U
TP2	04/04/2013	0.3 J	0.5 U	0.5 U	0.5 U	18	1 U	10 U	0.5 U
TP2	04/02/2014	0.4 J	0.5 U	0.5 U	0.5 U	22	1 U	10 U	0.5 U
WTA	09/30/2010	3.2	0.5 U	0.5 U	0.5 UJ	0.4 J	0.5 U	NA	0.5 U
WTA	04/14/2011	3.8	0.5 U	0.5 U	0.5 U	0.4 J	1 U	10 U	0.5 U
WTA	04/14/2011	4.1	0.5 U	0.5 U	0.5 U	0.4 J	1 U	10 U	0.5 U
WTA	10/05/2011	3.2	0.5 U	0.5 U	0.5 U	0.5 J	1 U	10 UJ	0.5 U
WTA	04/05/2012	1.3	0.5 U	0.5 U	0.5 U	0.2 J	1 U	10 U	0.5 U
WTA	04/05/2013	1.5	0.5 U	0.5 U	0.5 U	0.2 J	1 U	10 U	0.5 U
WTA	04/10/2014	1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
B120	09/09/2010	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	0.9 U	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 UJ	0.9 U	0.9 U
B120	09/09/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B120	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B120	04/15/2011	NA	NA	NA	NA	0.03 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B120	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B120	10/04/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B120	04/03/2012	9.6 U	9.6 U	9.6 U	9.6 U	NA	NA	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	19 U	9.6 U	9.6 U	9.6 U
B120	04/03/2012	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B121	09/08/2010	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	0.9 U	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 U	0.9 U	0.9 U
B121	09/08/2010	NA	NA	NA	NA	NA	0.048 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B121	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B121	04/13/2011	NA	NA	NA	NA	0.06 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B121	10/04/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B121	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B121	04/04/2012	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B121	04/04/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
B128	09/23/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
B128	09/23/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	09/23/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	09/23/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
B128	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B128	04/18/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B128	10/04/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	04/02/2012	9.6 U	9.6 U	9.6 U	9.6 U	NA	NA	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	19 U	9.6 U	9.6 U	9.6 U
B128	04/02/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	04/05/2013	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	04/05/2013	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B128	04/10/2014	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	04/10/2014	9.8 U	9.8 U	9.8 U	9.8 U	NA	NA	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	20 U	9.8 U	9.8 U	9.8 U
B150	09/08/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	4.8 U	4.8 U	4.8 U	4.8 U	19 U	1 U	1 U	1 U
B150	09/08/2010	NA	NA	NA	NA	NA	0.048 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B150	04/13/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B150	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B150	10/05/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B150	10/05/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B150	10/05/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B150	10/05/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B150	04/04/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B150	04/04/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B150	04/04/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B150	04/04/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
B158	09/08/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B158	09/08/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
B158	04/15/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B158	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B158	10/05/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B158	10/05/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B158	04/06/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B158	04/06/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B163	09/02/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B163	09/02/2010	1 U	1 U	1 U	1 U	0.5 J	NA	1 UJ	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
B163	04/12/2011	NA	NA	NA	NA	0.2 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B163	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 UJ	9.4 U	9.4 U	9.4 U
B163	10/03/2011	NA	NA	NA	NA	0.2 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B163	10/03/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B163	04/02/2012	NA	NA	NA	NA	0.09 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B163	04/02/2012	9.6 U	9.6 U	9.6 U	9.6 U	NA	NA	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	19 U	9.6 U	9.6 U	9.6 U
B163	04/03/2013	NA	NA	NA	NA	0.2 J	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B163	04/03/2013	11 U	11 U	11 U	11 U	NA	NA	11 U	11 U	11 U	11 U	11 U	11 U	21 U	11 U	11 U	11 U
B163	04/01/2014	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B163	04/01/2014	NA	NA	NA	NA	0.2 J	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
B175S	09/03/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175S	09/03/2010	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	0.9 UJ	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 U	0.9 U	0.9 U
B175S	04/13/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175S	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B175S	10/04/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175S	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B175S	04/04/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175S	04/04/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B175W	09/08/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175W	09/08/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
B175W	04/13/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175W	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B175W	10/04/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175W	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B175W	04/04/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B175W	04/04/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B177	09/23/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B177	09/23/2010	0.9 U	0.9 U	0.9 U	0.9 UJ	0.9 U	NA	0.9 U	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 U	0.9 U	0.9 U
B177	04/18/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B177	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B177	10/05/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B177	10/05/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B177	04/04/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B177	04/04/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
B178	09/02/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B178	09/02/2010	1 U	1 U	1 U	1 U	1 U	NA	1 UJ	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
B178	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B178	04/15/2011	NA	NA	NA	NA	0.04 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B178	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B178	10/04/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B178	04/03/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B178	04/03/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B180	09/15/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	09/15/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	4.8 U	4.8 U	4.8 U	4.8 U	19 U	1 UJ	1 U	1 U
B180	04/13/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B180	10/06/2011	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	10/06/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 UJ	9.4 U	9.4 U	9.4 U
B180	10/06/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	10/06/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 UJ	9.4 U	9.4 U	9.4 U
B180	04/04/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	04/04/2012	9.7 U	9.7 U	9.7 U	9.7 U	NA	NA	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	19 U	9.7 U	9.7 U	9.7 U
B180	04/08/2013	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	04/08/2013	9.3 U	9.3 U	9.3 U	9.3 U	NA	NA	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	19 U	9.3 U	9.3 U	9.3 U
B180	04/08/2014	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	04/08/2014	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
B185	09/02/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B185	09/02/2010	0.9 U	0.9 U	0.9 U	0.9 U	10	NA	0.9 UJ	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 U	0.9 U	0.9 U
B185	04/15/2011	NA	NA	NA	NA	6	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B185	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B185	04/15/2011	NA	NA	NA	NA	6.8	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B185	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B185	10/03/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B185	10/03/2011	NA	NA	NA	NA	6.1	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B185	10/03/2011	NA	NA	NA	NA	6.3	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B185	10/03/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B185	04/02/2012	NA	NA	NA	NA	4.4	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B185	04/02/2012	9.6 U	9.6 U	9.6 U	9.6 U	NA	NA	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	19 U	9.6 U	9.6 U	9.6 U
B194	09/09/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B194	09/09/2010	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	0.9 U	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 UJ	0.9 U	0.9 U
B194	04/13/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B194	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B194	10/04/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B194	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B194	04/04/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B194	04/04/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
B195	09/09/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B195	09/09/2010	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	0.9 U	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 UJ	0.9 U	0.9 U
B195	04/13/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B195	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B195	04/13/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B195	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B195	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B195	10/04/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B195	04/03/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B195	04/03/2012	9.5 U	9.5 U	9.5 U	9.5 U	NA	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
B197	09/09/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B197	09/09/2010	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	0.9 U	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 UJ	0.9 U	0.9 U
B197	09/09/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B197	09/09/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	4.8 U	4.8 U	4.8 U	4.8 U	19 U	1 UJ	1 U	1 U
B197	04/13/2011	NA	NA	NA	NA	0.04 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B197	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B197	10/04/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B197	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B197	04/03/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B197	04/03/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B197	04/03/2012	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B197	04/03/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
B277	09/15/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B277	09/15/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 UJ	1 U	1 U
B277	04/18/2011	NA	NA	NA	NA	0.2 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B277	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B277	10/05/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B277	10/05/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B277	04/03/2012	NA	NA	NA	NA	0.1 J	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B277	04/03/2012	9.5 U	9.5 U	9.5 U	9.5 U	NA	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
B278	09/16/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B278	09/16/2010	1 U	1 U	1 U	1 U	1.4	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 UJ	1 U	1 U
B278	04/19/2011	NA	NA	NA	NA	1.1	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B278	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B278	10/05/2011	NA	NA	NA	NA	0.9 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B278	10/05/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B278	04/05/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B278	04/05/2012	NA	NA	NA	NA	1.1	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
B280A	09/16/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 UJ	1 U	1 U
B280A	09/16/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280A	04/14/2011	NA	NA	NA	NA	0.2 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280A	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B280A	10/06/2011	NA	NA	NA	NA	0.2 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280A	10/06/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 UJ	9.4 U	9.4 U	9.4 U
B280A	04/03/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B280A	04/03/2012	NA	NA	NA	NA	0.2 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280A	04/04/2013	NA	NA	NA	NA	0.2 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280A	04/04/2013	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U
B280A	04/09/2014	NA	NA	NA	NA	0.2 J	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280A	04/09/2014	9.3 U	9.3 U	9.3 U	9.3 U	NA	NA	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	19 U	9.3 U	9.3 U	9.3 U
B280B	10/01/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280B	10/01/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
B280B	04/14/2011	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U
B280B	04/14/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280B	10/06/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 UJ	9.4 U	9.4 U	9.4 U
B280B	10/06/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280B	04/03/2012	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280B	04/03/2012	9.5 U	9.5 U	9.5 U	9.5 U	NA	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
B300	09/09/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B300	09/09/2010	0.9 U	0.9 U	0.9 U	0.9 U	1.4	NA	0.9 U	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 UJ	0.9 U	0.9 U
B300	04/15/2011	NA	NA	NA	NA	0.1 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B300	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B300	10/06/2011	NA	NA	NA	NA	5.9	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B300	10/06/2011	97 U	97 U	97 U	97 U	NA	NA	97 U	97 U	97 U	97 U	97 U	97 U	190 UJ	97 U	97 U	97 U
B300	04/09/2012	NA	NA	NA	NA	0.8 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B300	04/09/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B38	09/15/2010	NA	NA	NA	NA	NA	0.05 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B38	09/15/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 UJ	1 U	1 U
B38	04/19/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B38	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B38	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B38	04/19/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B38	10/06/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B38	10/06/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 UJ	9.4 U	9.4 U	9.4 U
B38	04/04/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B38	04/04/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B450	04/19/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B450	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B450	10/10/2011	NA	NA	NA	NA	0.3 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B450	10/10/2011	9.6 UJ	9.6 UJ	9.6 UJ	9.6 UJ	NA	NA	9.6 UJ	9.6 UJ	9.6 UJ	9.6 UJ	9.6 UJ	9.6 UJ	19 UJ	9.6 UJ	9.6 UJ	9.6 UJ
B450	04/06/2012	NA	NA	NA	NA	0.5 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B450	04/06/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
B460	09/15/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 UJ	1 U	1 U
B460	09/15/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B460	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B460	04/20/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B460	10/07/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B460	10/07/2011	9.6 U	9.6 U	9.6 U	9.6 U	NA	NA	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	19 U	9.6 U	9.6 U	9.6 U
B460	04/06/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B460	04/06/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B473	09/24/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B473	09/24/2010	1 U	1 U	1 U	1 U	0.5 J	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
B473	04/20/2011	NA	NA	NA	NA	0.06 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B473	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B473	10/07/2011	NA	NA	NA	NA	0.3 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B473	10/07/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B473	04/06/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B473	04/06/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B474	09/23/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B474	09/23/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
B474	04/20/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B474	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B474	10/07/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B474	10/07/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B474	04/09/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B474	04/09/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
B480	09/24/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B480	09/24/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
B480	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B480	04/19/2011	NA	NA	NA	NA	0.2 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B480	10/07/2011	NA	NA	NA	NA	0.3 J	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B480	10/07/2011	9.5 U	9.5 U	9.5 U	9.5 U	NA	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
B480	04/09/2012	NA	NA	NA	NA	0.1 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B480	04/09/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B490	09/16/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 UJ	1 U	1 U
B490	09/16/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B490	04/20/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B490	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B490	10/10/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B490	10/10/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B490	04/09/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B490	04/09/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
BULB1	10/19/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB1	10/19/2010	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	0.9 U	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 UJ	0.9 U	0.9 U	0.9 U
BULB1	04/12/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB1	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
BULB1	09/30/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB1	09/30/2011	9.5 U	9.5 U	9.5 U	9.5 U	NA	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
BULB1	04/05/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
BULB1	04/05/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
BULB2	10/19/2010	NA	NA	NA	NA	NA	0.033 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB2	10/19/2010	1 U	1 U	1 U	1 U	1.3	NA	1 U	NA	5 U	5 U	5 U	5 U	20 UJ	1 U	1 U	1 U
BULB2	04/12/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB2	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
BULB2	09/30/2011	NA	NA	NA	NA	1.2	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB2	09/30/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
BULB2	04/05/2012	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB2	04/05/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
BULB2	04/05/2013	NA	NA	NA	NA	1 J	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB2	04/05/2013	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U
BULB2	04/10/2014	NA	NA	NA	NA	1	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB2	04/10/2014	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC1	09/08/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC1	09/08/2010	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	0.9 U	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 U	0.9 U	0.9 U
CCC1	04/14/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC1	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC1	10/05/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC1	10/05/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC1	04/10/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC1	04/10/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
CCC2	09/08/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	09/08/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	4.8 U	4.8 U	4.8 U	4.8 U	19 U	1 U	1 U	1 U
CCC2	04/14/2011	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC2	10/04/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC2	04/10/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	04/10/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC2	04/02/2013	9.5 U	9.5 U	9.5 U	9.5 U	NA	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
CCC2	04/02/2013	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	04/02/2013	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	04/02/2013	9.3 U	9.3 U	9.3 U	9.3 U	NA	NA	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	19 U	9.3 U	9.3 U	9.3 U
CCC2	04/02/2014	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	04/02/2014	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC3	09/03/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC3	09/03/2010	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	0.9 UJ	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 U	0.9 U	0.9 U
CCC3	09/03/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC3	09/03/2010	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	0.9 UJ	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 U	0.9 U	0.9 U
CCC3	04/12/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC3	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC3	10/04/2011	NA	NA	NA	NA	0.1 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC3	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC3	10/04/2011	NA	NA	NA	NA	0.1 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC3	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC3	04/10/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC3	04/10/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
CCCT	09/03/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCCT	09/03/2010	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	0.9 UJ	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 U	0.9 U	0.9 U
CCCT	04/18/2011	NA	NA	NA	NA	0.1 J	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCCT	04/18/2011	9.5 U	9.5 U	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
CCCT	10/03/2011	NA	NA	NA	NA	0.08 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCCT	10/03/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCCT	04/04/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCCT	04/04/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CTP	09/30/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	09/30/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
CTP	09/30/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	09/30/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
CTP	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CTP	04/14/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	10/06/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	10/06/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 UJ	9.4 U	9.4 U	9.4 U
CTP	04/03/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	04/03/2012	9.5 U	9.5 U	9.5 U	9.5 U	NA	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
CTP	04/04/2013	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	04/04/2013	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U
CTP	04/03/2014	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	04/03/2014	9.3 U	9.3 U	9.3 U	9.3 U	NA	NA	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	19 U	9.3 U	9.3 U	9.3 U
CTP	04/03/2014	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	04/03/2014	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
CTPS	10/01/2010	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	NA	6 U	6 U	6 U	6 U	24 U	1.2 U	1.2 U	1.2 U
CTPS	10/18/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTPS	04/19/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTPS	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CTPS	10/07/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CTPS	10/10/2011	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTPS	04/05/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTPS	04/05/2012	9.5 U	9.5 U	9.5 U	9.5 U	NA	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
DH	09/30/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DH	09/30/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
DH	04/14/2011	NA	NA	NA	NA	0.04 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DH	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
DH	10/05/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DH	10/05/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
DH	04/05/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DH	04/06/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
EERC	10/01/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
EERC	10/15/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EERC	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
EERC	04/20/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EERC	10/07/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
EERC	10/07/2011	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EERC	04/06/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EERC	04/06/2012	9.5 U	9.5 U	9.5 U	9.5 U	NA	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
EPA	09/16/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA	09/16/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 UJ	1 U	1 U
EPA	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
EPA	04/19/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA	10/06/2011	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA	10/06/2011	9.8 U	9.8 U	9.8 U	9.8 U	NA	NA	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	20 UJ	9.8 U	9.8 U	9.8 U
EPA	04/06/2012	NA	NA	NA	NA	0.5 J	0.05 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA	04/06/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
EPA	04/06/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA	04/06/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
EPA	04/04/2013	9.3 U	9.3 U	9.3 U	9.3 U	NA	NA	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	19 U	9.3 U	9.3 U	9.3 U
EPA	04/04/2013	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA	04/10/2014	9.6 U	9.6 U	9.6 U	9.6 U	NA	NA	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	19 U	9.6 U	9.6 U	9.6 U
EPA	04/10/2014	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	09/24/2010	NA	NA	NA	NA	NA	0.033 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	09/24/2010	0.9 U	0.9 U	0.9 U	0.9 U	12	NA	0.9 U	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 U	0.9 U	0.9 U
ETA	09/24/2010	NA	NA	NA	NA	NA	0.032 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	09/24/2010	1 U	1 U	1 U	1 U	12	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
ETA	04/12/2011	NA	NA	NA	NA	8.1	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
ETA	09/30/2011	NA	NA	NA	NA	6.1	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	09/30/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
ETA	04/10/2012	NA	NA	NA	NA	12	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	04/10/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
ETA	04/10/2012	NA	NA	NA	NA	12	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	04/10/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
EXT	09/30/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EXT	09/30/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
FG	09/23/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
FG	09/23/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FG	04/19/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FG	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
FG	04/19/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FG	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
FG	10/10/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FG	10/10/2011	9.5 U	9.5 U	9.5 U	9.5 U	NA	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
FG	04/09/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FG	04/09/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
GEO	09/03/2010	NA	NA	NA	NA	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GEO	09/03/2010	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	0.9 UJ	NA	4.7 U	4.7 U	4.7 U	4.7 U	19 U	0.9 U	0.9 U	0.9 U
GEO	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
GEO	04/20/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GEO	10/06/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 UJ	9.4 U	9.4 U	9.4 U
GEO	10/06/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GEO	04/06/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GEO	04/06/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
MFA	09/24/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MFA	09/24/2010	1 U	1 U	1 U	1 U	2.3	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
MFA	04/12/2011	NA	NA	NA	NA	1.1	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MFA	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
MFA	10/03/2011	NA	NA	NA	NA	1.7	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MFA	10/03/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
MFA	04/05/2012	NA	NA	NA	NA	1.2	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MFA	04/05/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
MFA	04/05/2013	NA	NA	NA	NA	1.9	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MFA	04/05/2013	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U
MFA	04/08/2014	NA	NA	NA	NA	1.8	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MFA	04/08/2014	9.3 U	9.3 U	9.3 U	9.3 U	NA	NA	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	19 U	9.3 U	9.3 U	9.3 U
NRLF	09/16/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NRLF	09/16/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	4.8 U	4.8 U	4.8 U	4.8 U	19 U	1 UJ	1 U	1 U
NRLF	04/20/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NRLF	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
NRLF	10/06/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NRLF	10/06/2011	9.5 U	9.5 U	9.5 U	9.5 U	NA	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 UJ	9.5 U	9.5 U	9.5 U
NRLF	04/09/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NRLF	04/09/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
OBS6	09/30/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
OBS6	09/30/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
PZ11	10/01/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ11	10/01/2010	1 U	1 U	1 U	1 U	0.7 J	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
PZ11	04/20/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ11	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ11	10/10/2011	NA	NA	NA	NA	0.3 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ11	10/10/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ11	04/05/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ11	04/05/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ8	10/15/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ8	10/15/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 UJ	1 U	1 U	1 U
PZ8	04/18/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ8	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ8	10/04/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ8	10/04/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ8	04/03/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ8	04/03/2012	9.7 UJ	9.7 UJ	9.7 UJ	9.7 UJ	NA	NA	9.7 UJ	9.7 UJ	9.7 UJ	9.7 UJ	9.7 UJ	9.7 UJ	19 UJ	9.7 UJ	9.7 UJ	9.7 UJ
PZ9	09/24/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ9	09/24/2010	1 U	1 U	1 U	1 U	1.6	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
PZ9	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ9	04/20/2011	NA	NA	NA	NA	0.9 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ9	10/07/2011	NA	NA	NA	NA	1.2	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ9	10/07/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ9	10/07/2011	NA	NA	NA	NA	1.2	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ9	10/07/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ9	04/06/2012	NA	NA	NA	NA	1	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ9	04/06/2012	9.4 UJ	9.4 U	9.4 UJ	9.4 UJ	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
RWF	09/15/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RWF	09/15/2010	1 U	1 U	1 U	1 U	0.7 J	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 UJ	1 U	1 U
RWF	04/18/2011	NA	NA	NA	NA	0.06 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RWF	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
RWF	10/06/2011	NA	NA	NA	NA	0.6 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RWF	10/06/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 UJ	9.4 U	9.4 U	9.4 U
RWF	04/04/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RWF	04/04/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
TP1	09/29/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP1	09/29/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
TP1	04/18/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP1	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
TP1	10/07/2011	NA	NA	NA	NA	0.05 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP1	10/07/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
TP1	04/05/2012	NA	NA	NA	NA	1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP1	04/05/2012	9.5 U	9.5 U	9.5 U	9.5 U	NA	NA	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
TP2	09/29/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	09/29/2010	1 U	1 U	1 U	1 U	1.1	NA	1 U	NA	5 U	5 U	5 U	5 U	20 U	1 U	1 U	1 U
TP2	04/18/2011	NA	NA	NA	NA	0.7 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
TP2	10/07/2011	NA	NA	NA	NA	0.9 J	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	10/07/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
TP2	04/09/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
TP2	04/09/2012	NA	NA	NA	NA	0.3 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	04/09/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
TP2	04/09/2012	NA	NA	NA	NA	0.4 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,2'-Oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
WTA	09/30/2010	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WTA	09/30/2010	1 U	1 U	1 U	1 U	1 U	NA	1 U	NA	5 U	5 U	5 U	5 U	20 UJ	1 U	1 U	1 U
WTA	04/14/2011	NA	NA	NA	NA	0.06 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WTA	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
WTA	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
WTA	04/14/2011	NA	NA	NA	NA	0.07 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WTA	10/05/2011	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WTA	10/05/2011	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
WTA	04/05/2012	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WTA	04/05/2012	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
WTA	04/05/2013	NA	NA	NA	NA	0.04 J	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WTA	04/05/2013	9.8 U	9.8 U	9.8 U	9.8 U	NA	NA	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	20 U	9.8 U	9.8 U	9.8 U
WTA	04/10/2014	9.4 U	9.4 U	9.4 U	9.4 U	NA	NA	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
WTA	04/10/2014	NA	NA	NA	NA	0.9 U	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
B120	09/09/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	NA	4.7 U	4.7 UJ
B120	09/09/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B120	04/15/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B120	04/15/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B120	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B120	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B120	04/03/2012	9.6 U	NA	9.6 U	19 U	19 U	19 U	19 U	NA	19 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	19 U	19 U
B120	04/03/2012	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B121	09/08/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	NA	4.7 U	4.7 U
B121	09/08/2010	NA	0.048 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B121	04/13/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B121	04/13/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B121	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B121	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B121	04/04/2012	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B121	04/04/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
B128	09/23/2010	5 U	1 U	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
B128	09/23/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	09/23/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	09/23/2010	5 U	1 U	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
B128	04/18/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B128	04/18/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B128	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	04/02/2012	9.6 U	NA	9.6 U	19 U	19 U	19 U	19 U	NA	19 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	19 U	19 U
B128	04/02/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	04/05/2013	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	04/05/2013	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B128	04/10/2014	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B128	04/10/2014	9.8 U	NA	9.8 U	20 U	20 U	20 U	20 U	NA	20 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	20 U	20 U
B150	09/08/2010	4.8 U	1 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 UJ	1 U	4.8 U	4.8 U	1 U	NA	4.8 U	4.8 U
B150	09/08/2010	NA	0.048 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B150	04/13/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B150	04/13/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B150	10/05/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B150	10/05/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B150	10/05/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B150	10/05/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B150	04/04/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B150	04/04/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B150	04/04/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B150	04/04/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
B158	09/08/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B158	09/08/2010	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
B158	04/15/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B158	04/15/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B158	10/05/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B158	10/05/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B158	04/06/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B158	04/06/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B163	09/02/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B163	09/02/2010	5 U	1 U	5 U	5 U	5 U	5 UJ	5 U	NA	5 UJ	1 U	5 U	5 U	1 U	5 U	5 U	5 U
B163	04/12/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B163	04/12/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U	19 U	19 U
B163	10/03/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B163	10/03/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B163	04/02/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B163	04/02/2012	9.6 U	NA	9.6 U	19 U	19 U	19 U	19 U	NA	19 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	19 U	19 U
B163	04/03/2013	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B163	04/03/2013	11 U	NA	11 U	21 U	21 U	21 U	21 U	NA	21 U	11 U	11 U	11 U	11 U	11 U	21 U	21 U
B163	04/01/2014	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B163	04/01/2014	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
B175S	09/03/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175S	09/03/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	NA	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U
B175S	04/13/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175S	04/13/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B175S	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175S	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B175S	04/04/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175S	04/04/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B175W	09/08/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175W	09/08/2010	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
B175W	04/13/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175W	04/13/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B175W	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B175W	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B175W	04/04/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B175W	04/04/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B177	09/23/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B177	09/23/2010	4.7 U	0.9 U	4.7 UJ	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	NA	4.7 U	4.7 U
B177	04/18/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B177	04/18/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B177	10/05/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B177	10/05/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B177	04/04/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B177	04/04/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
B178	09/02/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B178	09/02/2010	5 U	1 U	5 U	5 U	5 U	5 UJ	5 U	NA	5 UJ	1 U	5 U	5 U	1 U	5 U	5 U	5 U
B178	04/15/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B178	04/15/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B178	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B178	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B178	04/03/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B178	04/03/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B180	09/15/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	09/15/2010	4.8 U	1 U	4.8 U	4.8 U	4.8 U	4.8 UJ	4.8 U	4.8 U	4.8 UJ	1 U	4.8 U	4.8 U	1 U	NA	4.8 U	4.8 UJ
B180	04/13/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	04/13/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B180	10/06/2011	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	10/06/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B180	10/06/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	10/06/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B180	04/04/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	04/04/2012	9.7 U	NA	9.7 U	19 U	19 U	19 U	19 U	NA	19 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	19 U	19 U
B180	04/08/2013	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	04/08/2013	9.3 U	NA	9.3 U	19 U	19 U	19 U	19 U	NA	19 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	19 U	19 U
B180	04/08/2014	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B180	04/08/2014	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
B185	09/02/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B185	09/02/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	NA	4.7 UJ	0.9 U	4.7 U	4.7 UJ	0.9 U	4.7 U	4.7 U	4.7 U
B185	04/15/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B185	04/15/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B185	04/15/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B185	04/15/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B185	10/03/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B185	10/03/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B185	10/03/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B185	10/03/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B185	04/02/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B185	04/02/2012	9.6 U	NA	9.6 U	19 U	19 U	19 U	19 U	NA	19 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	19 U	19 U
B194	09/09/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B194	09/09/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	NA	4.7 U	4.7 UJ
B194	04/13/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B194	04/13/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B194	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B194	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B194	04/04/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B194	04/04/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
B195	09/09/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B195	09/09/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	NA	4.7 U	4.7 UJ
B195	04/13/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B195	04/13/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B195	04/13/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B195	04/13/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B195	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B195	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B195	04/03/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B195	04/03/2012	9.5 U	NA	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U
B197	09/09/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B197	09/09/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	NA	4.7 U	4.7 UJ
B197	09/09/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B197	09/09/2010	4.8 U	1 U	4.8 U	4.8 U	4.8 U	4.8 UJ	4.8 U	4.8 U	4.8 UJ	1 U	4.8 U	4.8 U	1 U	NA	4.8 U	4.8 UJ
B197	04/13/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B197	04/13/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B197	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B197	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B197	04/03/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B197	04/03/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B197	04/03/2012	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B197	04/03/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
B277	09/15/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B277	09/15/2010	5 U	1 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 UJ
B277	04/18/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B277	04/18/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B277	10/05/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B277	10/05/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B277	04/03/2012	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B277	04/03/2012	9.5 U	NA	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U
B278	09/16/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B278	09/16/2010	5 U	1 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 UJ
B278	04/19/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B278	04/19/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B278	10/05/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B278	10/05/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B278	04/05/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B278	04/05/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
B280A	09/16/2010	5 U	1 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 UJ
B280A	09/16/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280A	04/14/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280A	04/14/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B280A	10/06/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280A	10/06/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B280A	04/03/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B280A	04/03/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280A	04/04/2013	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280A	04/04/2013	10 U	NA	10 U	20 U	20 U	20 U	20 U	NA	20 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U
B280A	04/09/2014	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280A	04/09/2014	9.3 U	NA	9.3 U	19 U	19 U	19 U	19 U	NA	19 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	19 U	19 U
B280B	10/01/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280B	10/01/2010	5 U	1 UJ	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
B280B	04/14/2011	10 U	10 U	10 U	20 U	20 U	20 U	20 U	NA	20 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U
B280B	04/14/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280B	10/06/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B280B	10/06/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280B	04/03/2012	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B280B	04/03/2012	9.5 U	NA	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
B300	09/09/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B300	09/09/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	NA	4.7 U	4.7 UJ
B300	04/15/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B300	04/15/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B300	10/06/2011	NA	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B300	10/06/2011	97 U	NA	97 U	190 U	190 U	190 U	190 U	NA	190 U	97 U	97 U	97 U	97 U	97 U	190 U	190 U
B300	04/09/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B300	04/09/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B38	09/15/2010	NA	0.05 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B38	09/15/2010	5 U	1 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 UJ
B38	04/19/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B38	04/19/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B38	04/19/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B38	04/19/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B38	10/06/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B38	10/06/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B38	04/04/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B38	04/04/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B450	04/19/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B450	04/19/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B450	10/10/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B450	10/10/2011	9.6 UJ	NA	9.6 UJ	19 UJ	19 UJ	19 UJ	19 UJ	NA	19 UJ	9.6 UJ	9.6 UJ	9.6 UJ	9.6 UJ	9.6 UJ	19 UJ	19 UJ
B450	04/06/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B450	04/06/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
B460	09/15/2010	5 U	1 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 UJ
B460	09/15/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B460	04/20/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B460	04/20/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B460	10/07/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B460	10/07/2011	9.6 U	NA	9.6 U	19 U	19 U	19 U	19 U	NA	19 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	19 U	19 U
B460	04/06/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B460	04/06/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B473	09/24/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B473	09/24/2010	5 U	1 U	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
B473	04/20/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B473	04/20/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B473	10/07/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B473	10/07/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B473	04/06/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B473	04/06/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B474	09/23/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B474	09/23/2010	5 U	1 U	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
B474	04/20/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B474	04/20/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B474	10/07/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B474	10/07/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B474	04/09/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B474	04/09/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
B480	09/24/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B480	09/24/2010	5 U	1 U	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
B480	04/19/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B480	04/19/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B480	10/07/2011	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B480	10/07/2011	9.5 U	NA	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U
B480	04/09/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B480	04/09/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B490	09/16/2010	5 U	1 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 UJ
B490	09/16/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B490	04/20/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B490	04/20/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B490	10/10/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B490	10/10/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
B490	04/09/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B490	04/09/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
BULB1	10/19/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB1	10/19/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	NA	4.7 U	4.7 U
BULB1	04/12/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB1	04/12/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 UJ	19 U
BULB1	09/30/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB1	09/30/2011	9.5 U	NA	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U
BULB1	04/05/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
BULB1	04/05/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
BULB2	10/19/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB2	10/19/2010	5 U	1 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
BULB2	04/12/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB2	04/12/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 UJ	19 U
BULB2	09/30/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB2	09/30/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
BULB2	04/05/2012	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB2	04/05/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
BULB2	04/05/2013	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB2	04/05/2013	10 U	NA	10 U	20 U	20 U	20 U	20 U	NA	20 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U
BULB2	04/10/2014	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BULB2	04/10/2014	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CCC1	09/08/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC1	09/08/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	NA	4.7 U	4.7 U
CCC1	04/14/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC1	04/14/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CCC1	10/05/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC1	10/05/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CCC1	04/10/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC1	04/10/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
CCC2	09/08/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	09/08/2010	4.8 U	1 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 UJ	1 U	4.8 U	4.8 U	1 U	NA	4.8 U	4.8 U
CCC2	04/14/2011	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	04/14/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CCC2	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CCC2	04/10/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	04/10/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CCC2	04/02/2013	9.5 U	NA	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U
CCC2	04/02/2013	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	04/02/2013	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	04/02/2013	9.3 U	NA	9.3 U	19 U	19 U	19 U	19 U	NA	19 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	19 U	19 U
CCC2	04/02/2014	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC2	04/02/2014	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CCC3	09/03/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC3	09/03/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	NA	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U
CCC3	09/03/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC3	09/03/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	NA	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U
CCC3	04/12/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC3	04/12/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U	19 U	19 U
CCC3	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC3	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CCC3	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC3	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CCC3	04/10/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCC3	04/10/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
CCCT	09/03/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCCT	09/03/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	NA	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U
CCCT	04/18/2011	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCCT	04/18/2011	9.5 U	9.5 U	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U
CCCT	10/03/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCCT	10/03/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CCCT	04/04/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CCCT	04/04/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CTP	09/30/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	09/30/2010	5 U	1 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	13	5 UJ	1 U	5 U	5 UJ	1 U	NA	5 U	5 U
CTP	09/30/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	09/30/2010	5 U	1 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	9	5 UJ	1 U	5 U	5 UJ	1 U	NA	5 U	5 U
CTP	04/14/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CTP	04/14/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	10/06/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	10/06/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CTP	04/03/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	04/03/2012	9.5 U	NA	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U
CTP	04/04/2013	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	04/04/2013	10 U	NA	10 U	20 U	20 U	20 U	20 U	NA	20 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U
CTP	04/03/2014	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	04/03/2014	9.3 U	NA	9.3 U	19 U	19 U	19 U	19 U	NA	19 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	19 U	19 U
CTP	04/03/2014	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTP	04/03/2014	10 U	NA	10 U	20 U	20 U	20 U	20 U	NA	20 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
CTPS	10/01/2010	6 U	1.2 UJ	6 UJ	6 U	6 U	6 UJ	6 U	6 U	6 UJ	1.2 U	6 U	6 U	1.2 U	NA	6 U	6 U
CTPS	10/18/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTPS	04/19/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTPS	04/19/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CTPS	10/07/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
CTPS	10/10/2011	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTPS	04/05/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTPS	04/05/2012	9.5 U	NA	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U
DH	09/30/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DH	09/30/2010	5 U	1 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U	5 UJ	1 U	5 U	5 UJ	1 U	NA	5 U	5 U
DH	04/14/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DH	04/14/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
DH	10/05/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DH	10/05/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
DH	04/05/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DH	04/06/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	3.2 J	19 U	19 U
EERC	10/01/2010	5 U	1 UJ	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
EERC	10/15/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EERC	04/20/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
EERC	04/20/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EERC	10/07/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
EERC	10/07/2011	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EERC	04/06/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EERC	04/06/2012	9.5 U	NA	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
EPA	09/16/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA	09/16/2010	5 U	1 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 UJ
EPA	04/19/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
EPA	04/19/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA	10/06/2011	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA	10/06/2011	9.8 U	NA	9.8 U	20 U	20 U	20 U	20 U	NA	20 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	20 U	20 U
EPA	04/06/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA	04/06/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
EPA	04/06/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA	04/06/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
EPA	04/04/2013	9.3 U	NA	9.3 U	19 U	19 U	19 U	19 U	NA	19 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	19 U	19 U
EPA	04/04/2013	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA	04/10/2014	9.6 U	NA	9.6 U	19 U	19 U	19 U	19 U	NA	19 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	19 U	19 U
EPA	04/10/2014	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	09/24/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	09/24/2010	4.7 U	0.9 U	4.7 UJ	4.7 U	4.7 U	4.7 UJ	4.7 U	4.7 U	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	NA	4.7 U	4.7 U
ETA	09/24/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	09/24/2010	5 U	1 U	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
ETA	04/12/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	04/12/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U	19 U	19 U
ETA	09/30/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	09/30/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
ETA	04/10/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	04/10/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
ETA	04/10/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETA	04/10/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
EXT	09/30/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EXT	09/30/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
FG	09/23/2010	5 U	1 U	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
FG	09/23/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FG	04/19/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FG	04/19/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
FG	04/19/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FG	04/19/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
FG	10/10/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FG	10/10/2011	9.5 U	NA	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U
FG	04/09/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FG	04/09/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
GEO	09/03/2010	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GEO	09/03/2010	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	NA	4.7 UJ	0.9 U	4.7 U	4.7 U	0.9 U	4.7 U	4.7 U	4.7 U
GEO	04/20/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
GEO	04/20/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GEO	10/06/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
GEO	10/06/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GEO	04/06/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GEO	04/06/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
MFA	09/24/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MFA	09/24/2010	5 U	1 U	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
MFA	04/12/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MFA	04/12/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U	19 U	19 U
MFA	10/03/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MFA	10/03/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
MFA	04/05/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MFA	04/05/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
MFA	04/05/2013	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MFA	04/05/2013	10 U	NA	10 U	20 U	20 U	20 U	20 U	NA	20 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U
MFA	04/08/2014	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MFA	04/08/2014	9.3 U	NA	9.3 U	19 U	19 U	19 U	19 U	NA	19 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	19 U	19 U
NRLF	09/16/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NRLF	09/16/2010	4.8 U	1 U	4.8 U	4.8 U	4.8 U	4.8 UJ	4.8 U	4.8 U	4.8 UJ	1 U	4.8 U	4.8 U	1 U	NA	4.8 U	4.8 UJ
NRLF	04/20/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NRLF	04/20/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
NRLF	10/06/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NRLF	10/06/2011	9.5 U	NA	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U
NRLF	04/09/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NRLF	04/09/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
OBS6	09/30/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
OBS6	09/30/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
PZ11	10/01/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ11	10/01/2010	5 U	1 UJ	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
PZ11	04/20/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ11	04/20/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
PZ11	10/10/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ11	10/10/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
PZ11	04/05/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ11	04/05/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
PZ8	10/15/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ8	10/15/2010	5 U	1 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
PZ8	04/18/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ8	04/18/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
PZ8	10/04/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ8	10/04/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
PZ8	04/03/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ8	04/03/2012	9.7 UJ	NA	9.7 UJ	19 UJ	19 UJ	19 UJ	19 UJ	NA	19 UJ	9.7 UJ	9.7 UJ	9.7 UJ	9.7 UJ	9.7 UJ	19 UJ	19 UJ
PZ9	09/24/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ9	09/24/2010	5 U	1 U	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 U
PZ9	04/20/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
PZ9	04/20/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ9	10/07/2011	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ9	10/07/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
PZ9	10/07/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ9	10/07/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
PZ9	04/06/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ9	04/06/2012	9.4 UJ	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
RWF	09/15/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RWF	09/15/2010	5 U	1 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	1 U	5 U	5 U	1 U	NA	5 U	5 UJ
RWF	04/18/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RWF	04/18/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
RWF	10/06/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RWF	10/06/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
RWF	04/04/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RWF	04/04/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
TP1	09/29/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP1	09/29/2010	5 U	1 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U	5 UJ	1 U	5 U	5 UJ	1 U	NA	5 U	5 U
TP1	04/18/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP1	04/18/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
TP1	10/07/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP1	10/07/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
TP1	04/05/2012	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP1	04/05/2012	9.5 U	NA	9.5 U	19 U	19 U	19 U	19 U	NA	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	19 U
TP2	09/29/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	09/29/2010	5 U	1 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U	5 UJ	1 U	5 U	5 UJ	1 U	NA	5 U	5 U
TP2	04/18/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	04/18/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
TP2	10/07/2011	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	10/07/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
TP2	04/09/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
TP2	04/09/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	04/09/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
TP2	04/09/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	3/4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenylether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl-Phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol
WTA	09/30/2010	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WTA	09/30/2010	5 U	1 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U	5 UJ	1 U	5 U	5 UJ	1 U	NA	5 U	5 U
WTA	04/14/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WTA	04/14/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
WTA	04/14/2011	9.4 U	9.4 U	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
WTA	04/14/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WTA	10/05/2011	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WTA	10/05/2011	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
WTA	04/05/2012	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WTA	04/05/2012	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
WTA	04/05/2013	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WTA	04/05/2013	9.8 U	NA	9.8 U	20 U	20 U	20 U	20 U	NA	20 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	20 U	20 U
WTA	04/10/2014	9.4 U	NA	9.4 U	19 U	19 U	19 U	19 U	NA	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	19 U
WTA	04/10/2014	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
B120	09/09/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	4.7 U	0.9 U	0.9 U	0.9 UJ	0.9 UJ	0.9 U
B120	09/09/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
B120	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B120	04/15/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B120	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B120	10/04/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B120	04/03/2012	NA	NA	NA	9.6 U	NA	NA	NA	NA	NA	48 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
B120	04/03/2012	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
B121	09/08/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 UJ	NA	4.7 U	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U
B121	09/08/2010	0.048 U	0.048 U	0.048 U	NA	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	NA	NA	NA	NA	NA	NA	NA
B121	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B121	04/13/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B121	10/04/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B121	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
B121	04/04/2012	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
B121	04/04/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
B128	09/23/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	6.2	1 UJ	1 U
B128	09/23/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
B128	09/23/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B128	09/23/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 UJ	1 U
B128	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B128	04/18/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B128	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B128	10/04/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B128	04/02/2012	NA	NA	NA	9.6 U	NA	NA	NA	NA	NA	48 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
B128	04/02/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B128	04/05/2013	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B128	04/05/2013	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B128	04/10/2014	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B128	04/10/2014	NA	NA	NA	9.8 U	NA	NA	NA	NA	NA	49 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
B150	09/08/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 UJ	NA	4.8 U	1 U	1 U	1 UJ	1 U	1 U
B150	09/08/2010	0.048 U	0.048 U	0.048 U	NA	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	NA	NA	NA	NA	NA	NA	NA
B150	04/13/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B150	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B150	10/05/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B150	10/05/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B150	10/05/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B150	10/05/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B150	04/04/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B150	04/04/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
B150	04/04/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B150	04/04/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
B158	09/08/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
B158	09/08/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 UJ	NA	5 U	1 U	1 U	1 UJ	1 U	1 U
B158	04/15/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B158	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B158	10/05/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	2.4 UJ	9.4 U	9.4 U
B158	10/05/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B158	04/06/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B158	04/06/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B163	09/02/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
B163	09/02/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 UJ	NA	5 U	1 U	1 U	5.7	1 U	1 U
B163	04/12/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B163	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
B163	10/03/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B163	10/03/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B163	04/02/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B163	04/02/2012	NA	NA	NA	9.6 U	NA	NA	NA	NA	NA	48 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
B163	04/03/2013	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
B163	04/03/2013	NA	NA	NA	11 U	NA	NA	NA	NA	NA	53 U	11 U	11 U	11 U	8.9 UJ	11 U	11 U
B163	04/01/2014	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B163	04/01/2014	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
B175S	09/03/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
B175S	09/03/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 UJ	NA	4.7 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
B175S	04/13/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B175S	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B175S	10/04/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B175S	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B175S	04/04/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B175S	04/04/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B175W	09/08/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B175W	09/08/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 UJ	NA	5 U	1 U	1 U	1 UJ	1 U	1 U
B175W	04/13/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B175W	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B175W	10/04/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B175W	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B175W	04/04/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B175W	04/04/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B177	09/23/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
B177	09/23/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	4.7 U	0.9 U	0.9 U	0.9 U	0.9 UJ	0.9 U
B177	04/18/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B177	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B177	10/05/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B177	10/05/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B177	04/04/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B177	04/04/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
B178	09/02/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B178	09/02/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 UJ	NA	5 U	1 U	1 U	1 U	1 U	1 U
B178	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B178	04/15/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B178	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B178	10/04/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B178	04/03/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B178	04/03/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B180	09/15/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B180	09/15/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	4.8 U	1 U	1 U	1 UJ	1 UJ	1 U
B180	04/13/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B180	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
B180	10/06/2011	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
B180	10/06/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B180	10/06/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B180	10/06/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	20 UJ	9.4 U	9.4 U
B180	04/04/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B180	04/04/2012	NA	NA	NA	9.7 U	NA	NA	NA	NA	NA	49 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U
B180	04/08/2013	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B180	04/08/2013	NA	NA	NA	9.3 U	NA	NA	NA	NA	NA	47 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U
B180	04/08/2014	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B180	04/08/2014	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	79 UJ	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
B185	09/02/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B185	09/02/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 UJ	NA	4.7 U	0.9 U	0.9 U	0.5 UJ	0.9 U	0.9 U
B185	04/15/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B185	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	20 UJ	9.4 U	9.4 U
B185	04/15/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B185	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B185	10/03/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B185	10/03/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B185	10/03/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B185	10/03/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B185	04/02/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B185	04/02/2012	NA	NA	NA	9.6 U	NA	NA	NA	NA	NA	48 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
B194	09/09/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
B194	09/09/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	4.7 U	0.9 U	0.9 U	0.9 UJ	0.9 UJ	0.9 U
B194	04/13/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B194	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
B194	10/04/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B194	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B194	04/04/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B194	04/04/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
B195	09/09/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
B195	09/09/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	4.7 U	0.9 U	0.9 U	0.9 UJ	0.9 UJ	0.9 U
B195	04/13/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B195	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B195	04/13/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B195	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B195	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B195	10/04/2011	0.09 U	0.09 U	0.09 UJ	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B195	04/03/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B195	04/03/2012	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA	48 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
B197	09/09/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
B197	09/09/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	4.7 U	0.9 U	0.9 U	0.9 UJ	0.9 UJ	0.9 U
B197	09/09/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
B197	09/09/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	4.8 U	1 U	1 U	1 UJ	1 UJ	1 U
B197	04/13/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B197	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B197	10/04/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B197	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B197	04/03/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B197	04/03/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B197	04/03/2012	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
B197	04/03/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
B277	09/15/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B277	09/15/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 UJ	1 UJ	1 U
B277	04/18/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B277	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B277	10/05/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B277	10/05/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B277	04/03/2012	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
B277	04/03/2012	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA	48 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
B278	09/16/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B278	09/16/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 UJ	1 UJ	1 U
B278	04/19/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B278	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B278	10/05/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B278	10/05/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B278	04/05/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B278	04/05/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
B280A	09/16/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 UJ	1 UJ	1 U
B280A	09/16/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B280A	04/14/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B280A	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B280A	10/06/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B280A	10/06/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
B280A	04/03/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B280A	04/03/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B280A	04/04/2013	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B280A	04/04/2013	NA	NA	NA	10 U	NA	NA	NA	NA	NA	50 U	10 U	10 U	10 U	10 U	10 U	10 U
B280A	04/09/2014	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
B280A	04/09/2014	NA	NA	NA	9.3 U	NA	NA	NA	NA	NA	47 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U
B280B	10/01/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B280B	10/01/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 U	1 U
B280B	04/14/2011	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
B280B	04/14/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B280B	10/06/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B280B	10/06/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B280B	04/03/2012	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
B280B	04/03/2012	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA	48 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
B300	09/09/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
B300	09/09/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	4.7 U	0.9 U	0.9 U	0.9 UJ	0.9 UJ	0.9 U
B300	04/15/2011	0.09 U	0.08 J	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B300	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B300	10/06/2011	0.5 U	4.9	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA
B300	10/06/2011	NA	NA	NA	97 U	NA	NA	NA	NA	NA	180 J	73 J	97 U	97 U	97 U	97 U	97 U
B300	04/09/2012	0.09 U	0.2	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B300	04/09/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B38	09/15/2010	0.05 UJ	0.05 UJ	0.05 UJ	NA	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	NA	NA	NA	NA	NA	NA	NA
B38	09/15/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 UJ	1 UJ	1 U
B38	04/19/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B38	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B38	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B38	04/19/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B38	10/06/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B38	10/06/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B38	04/04/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B38	04/04/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	13 UJ	9.4 U	9.4 U
B450	04/19/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B450	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B450	10/10/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B450	10/10/2011	NA	NA	NA	9.6 UJ	NA	NA	NA	NA	NA	48 UJ	9.6 UJ	9.6 UJ	9.6 UJ	9.6 UJ	9.6 UJ	9.6 UJ
B450	04/06/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B450	04/06/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
B460	09/15/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 UJ	1 UJ	1 U
B460	09/15/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B460	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B460	04/20/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B460	10/07/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B460	10/07/2011	NA	NA	NA	9.6 U	NA	NA	NA	NA	NA	48 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
B460	04/06/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B460	04/06/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
B473	09/24/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B473	09/24/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	0.5 J	1 UJ	1 U
B473	04/20/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B473	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B473	10/07/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B473	10/07/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B473	04/06/2012	0.09 U	0.09 U	0.02 J	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B473	04/06/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B474	09/23/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B474	09/23/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 UJ	1 U
B474	04/20/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B474	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B474	10/07/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B474	10/07/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B474	04/09/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B474	04/09/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
B480	09/24/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B480	09/24/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	0.8 J	1 UJ	1 U
B480	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B480	04/19/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B480	10/07/2011	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
B480	10/07/2011	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA	48 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
B480	04/09/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B480	04/09/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B490	09/16/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 UJ	1 UJ	1 U
B490	09/16/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
B490	04/20/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B490	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B490	10/10/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B490	10/10/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
B490	04/09/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
B490	04/09/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
BULB1	10/19/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
BULB1	10/19/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	4.7 U	0.9 U	0.9 U	0.6 UJ	0.9 U	0.9 U
BULB1	04/12/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
BULB1	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
BULB1	09/30/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
BULB1	09/30/2011	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA	48 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
BULB1	04/05/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
BULB1	04/05/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
BULB2	10/19/2010	0.062	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
BULB2	10/19/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 U	1 U
BULB2	04/12/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
BULB2	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
BULB2	09/30/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
BULB2	09/30/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	19 UJ	9.4 U	9.4 U
BULB2	04/05/2012	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
BULB2	04/05/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
BULB2	04/05/2013	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
BULB2	04/05/2013	NA	NA	NA	10 U	NA	NA	NA	NA	NA	50 U	10 U	10 U	10 U	10 U	10 U	10 U
BULB2	04/10/2014	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
BULB2	04/10/2014	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CCC1	09/08/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
CCC1	09/08/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 UJ	NA	4.7 U	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U
CCC1	04/14/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCC1	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CCC1	10/05/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCC1	10/05/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CCC1	04/10/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCC1	04/10/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
CCC2	09/08/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
CCC2	09/08/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 UJ	NA	4.8 U	1 U	1 U	0.6 J	1 U	1 U
CCC2	04/14/2011	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
CCC2	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CCC2	10/04/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCC2	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
CCC2	04/10/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCC2	04/10/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CCC2	04/02/2013	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA	48 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
CCC2	04/02/2013	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCC2	04/02/2013	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCC2	04/02/2013	NA	NA	NA	9.3 U	NA	NA	NA	NA	NA	47 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U
CCC2	04/02/2014	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
CCC2	04/02/2014	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CCC3	09/03/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
CCC3	09/03/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 UJ	NA	4.7 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
CCC3	09/03/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
CCC3	09/03/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 UJ	NA	4.7 U	0.9 U	0.9 U	1 UJ	0.9 U	0.9 U
CCC3	04/12/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCC3	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
CCC3	10/04/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCC3	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CCC3	10/04/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCC3	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CCC3	04/10/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCC3	04/10/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
CCCT	09/03/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
CCCT	09/03/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 UJ	NA	4.7 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
CCCT	04/18/2011	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
CCCT	04/18/2011	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	48 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
CCCT	10/03/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCCT	10/03/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CCCT	04/04/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CCCT	04/04/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CTP	09/30/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
CTP	09/30/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 U	1 U
CTP	09/30/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
CTP	09/30/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 U	1 U
CTP	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CTP	04/14/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CTP	10/06/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CTP	10/06/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
CTP	04/03/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CTP	04/03/2012	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA	48 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
CTP	04/04/2013	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
CTP	04/04/2013	NA	NA	NA	10 U	NA	NA	NA	NA	NA	50 U	10 U	10 U	10 U	10 U	10 U	10 U
CTP	04/03/2014	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
CTP	04/03/2014	NA	NA	NA	9.3 U	NA	NA	NA	NA	NA	47 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U
CTP	04/03/2014	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CTP	04/03/2014	NA	NA	NA	10 U	NA	NA	NA	NA	NA	50 U	10 U	10 U	10 U	10 U	10 U	10 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
CTPS	10/01/2010	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	6 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
CTPS	10/18/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
CTPS	04/19/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CTPS	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CTPS	10/07/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
CTPS	10/10/2011	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
CTPS	04/05/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
CTPS	04/05/2012	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA	48 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
DH	09/30/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
DH	09/30/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 U	1 U
DH	04/14/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
DH	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
DH	10/05/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
DH	10/05/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	2.2 UJ	9.4 U	9.4 U
DH	04/05/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
DH	04/06/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
EERC	10/01/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 U	1 U
EERC	10/15/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
EERC	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
EERC	04/20/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
EERC	10/07/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
EERC	10/07/2011	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
EERC	04/06/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
EERC	04/06/2012	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA	48 U	9.5 U	9.5 U	9.5 U	9.5 UJ	9.5 U	9.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
EPA	09/16/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
EPA	09/16/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 UJ	1 UJ	1 U
EPA	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
EPA	04/19/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
EPA	10/06/2011	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
EPA	10/06/2011	NA	NA	NA	9.8 U	NA	NA	NA	NA	NA	49 U	9.8 U	9.8 U	9.8 U	9.8 UJ	9.8 U	9.8 U
EPA	04/06/2012	0.2	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
EPA	04/06/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
EPA	04/06/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
EPA	04/06/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
EPA	04/04/2013	NA	NA	NA	9.3 U	NA	NA	NA	NA	NA	47 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U
EPA	04/04/2013	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
EPA	04/10/2014	NA	NA	NA	9.6 U	NA	NA	NA	NA	NA	48 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
EPA	04/10/2014	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
ETA	09/24/2010	0.11	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
ETA	09/24/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	NA	4.7 U	0.9 U	0.9 U	1.1	0.9 UJ	0.9 U
ETA	09/24/2010	0.11	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
ETA	09/24/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	0.5 J	1 UJ	1 U
ETA	04/12/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
ETA	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
ETA	09/30/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
ETA	09/30/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
ETA	04/10/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
ETA	04/10/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
ETA	04/10/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
ETA	04/10/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
EXT	09/30/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
EXT	09/30/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
FG	09/23/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 UJ	1 U
FG	09/23/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
FG	04/19/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
FG	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
FG	04/19/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
FG	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
FG	10/10/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
FG	10/10/2011	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA	48 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
FG	04/09/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
FG	04/09/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
GEO	09/03/2010	0.047 U	0.047 U	0.047 U	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA	NA	NA	NA	NA	NA	NA
GEO	09/03/2010	0.9 U	0.9 U	0.9 U	NA	0.9 U	0.9 U	0.9 U	0.9 U	0.9 UJ	NA	4.7 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
GEO	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
GEO	04/20/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
GEO	10/06/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
GEO	10/06/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
GEO	04/06/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
GEO	04/06/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
MFA	09/24/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
MFA	09/24/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	27	1 UJ	1 U
MFA	04/12/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
MFA	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
MFA	10/03/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
MFA	10/03/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
MFA	04/05/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
MFA	04/05/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
MFA	04/05/2013	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
MFA	04/05/2013	NA	NA	NA	10 U	NA	NA	NA	NA	NA	50 U	10 U	10 U	10 U	9.4 U	10 U	10 U
MFA	04/08/2014	0.09 U	0.09 U	0.09 UJ	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
MFA	04/08/2014	NA	NA	NA	9.3 U	NA	NA	NA	NA	NA	47 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U
NRLF	09/16/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
NRLF	09/16/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	4.8 U	1 U	1 U	1 UJ	1 UJ	1 U
NRLF	04/20/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
NRLF	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
NRLF	10/06/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
NRLF	10/06/2011	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA	48 U	9.5 U	9.5 U	9.5 U	9.5 UJ	9.5 U	9.5 U
NRLF	04/09/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
NRLF	04/09/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
OBS6	09/30/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
OBS6	09/30/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
PZ11	10/01/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
PZ11	10/01/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 U	1 U
PZ11	04/20/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
PZ11	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
PZ11	10/10/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
PZ11	10/10/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
PZ11	04/05/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
PZ11	04/05/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
PZ8	10/15/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
PZ8	10/15/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 U	1 U
PZ8	04/18/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
PZ8	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
PZ8	10/04/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
PZ8	10/04/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
PZ8	04/03/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
PZ8	04/03/2012	NA	NA	NA	9.7 UJ	NA	NA	NA	NA	NA	49 UJ	9.7 UJ	9.7 UJ	9.7 UJ	9.7 UJ	9.7 UJ	9.7 UJ
PZ9	09/24/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
PZ9	09/24/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 UJ	1 U
PZ9	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
PZ9	04/20/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
PZ9	10/07/2011	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
PZ9	10/07/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
PZ9	10/07/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
PZ9	10/07/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
PZ9	04/06/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
PZ9	04/06/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
RWF	09/15/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
RWF	09/15/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 UJ	1 UJ	1 U
RWF	04/18/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
RWF	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
RWF	10/06/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
RWF	10/06/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
RWF	04/04/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
RWF	04/04/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
TP1	09/29/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
TP1	09/29/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 U	1 U
TP1	04/18/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
TP1	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
TP1	10/07/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
TP1	10/07/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
TP1	04/05/2012	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
TP1	04/05/2012	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA	48 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
TP2	09/29/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
TP2	09/29/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 U	1 U
TP2	04/18/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
TP2	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
TP2	10/07/2011	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA
TP2	10/07/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
TP2	04/09/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
TP2	04/09/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
TP2	04/09/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	23 UJ	9.4 U	9.4 U
TP2	04/09/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy)Methane	Bis(2-Chloroethyl)Ether	Bis(2-Ethylhexyl)Phthalate	Butylbenzylphthalate	Carbazole
WTA	09/30/2010	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA
WTA	09/30/2010	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	5 U	1 U	1 U	1 U	1 U	1 U
WTA	04/14/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
WTA	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U
WTA	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
WTA	04/14/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
WTA	10/05/2011	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
WTA	10/05/2011	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	3.3 UJ	9.4 U	9.4 U
WTA	04/05/2012	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
WTA	04/05/2012	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
WTA	04/05/2013	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA
WTA	04/05/2013	NA	NA	NA	9.8 U	NA	NA	NA	NA	NA	49 U	9.8 U	9.8 U	9.8 U	9.2 UJ	9.8 U	9.8 U
WTA	04/10/2014	NA	NA	NA	9.4 U	NA	NA	NA	NA	NA	47 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
WTA	04/10/2014	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
B120	09/09/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 UJ	0.9 U	0.9 U	0.9 U
B120	09/09/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
B120	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B120	04/15/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B120	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B120	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B120	04/03/2012	NA	9.6 U	9.6 U	NA	9.6 U	9.6 U	9.6 U	NA	NA	NA	9.6 U	9.6 U	19 U	9.6 U	NA	9.6 U
B120	04/03/2012	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
B121	09/08/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 U	0.9 U	0.9 U	0.9 U
B121	09/08/2010	0.048 U	NA	NA	0.048 U	NA	NA	NA	NA	0.048 U	0.048 U	NA	NA	NA	NA	0.048 U	NA
B121	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B121	04/13/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B121	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B121	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B121	04/04/2012	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
B121	04/04/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
B128	09/23/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
B128	09/23/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
B128	09/23/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B128	09/23/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
B128	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B128	04/18/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B128	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B128	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B128	04/02/2012	NA	9.6 U	9.6 U	NA	9.6 U	9.6 U	9.6 U	NA	NA	NA	9.6 U	9.6 U	19 U	9.6 U	NA	9.6 U
B128	04/02/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B128	04/05/2013	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B128	04/05/2013	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B128	04/10/2014	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B128	04/10/2014	NA	9.8 U	9.8 U	NA	9.8 U	9.8 U	9.8 U	NA	NA	NA	9.8 U	9.8 U	20 U	9.8 U	NA	9.8 U
B150	09/08/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.8 U	1 U	1 U	1 U
B150	09/08/2010	0.048 U	NA	NA	0.048 U	NA	NA	NA	NA	0.048 U	0.048 U	NA	NA	NA	NA	0.048 U	NA
B150	04/13/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B150	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B150	10/05/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B150	10/05/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B150	10/05/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B150	10/05/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B150	04/04/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B150	04/04/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B150	04/04/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B150	04/04/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
B158	09/08/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
B158	09/08/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
B158	04/15/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B158	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B158	10/05/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B158	10/05/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B158	04/06/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B158	04/06/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B163	09/02/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
B163	09/02/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
B163	04/12/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B163	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B163	10/03/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B163	10/03/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B163	04/02/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B163	04/02/2012	NA	9.6 U	9.6 U	NA	9.6 U	9.6 U	9.6 U	NA	NA	NA	9.6 U	9.6 U	19 U	9.6 U	NA	9.6 U
B163	04/03/2013	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
B163	04/03/2013	NA	11 U	11 U	NA	11 U	11 U	11 U	NA	NA	NA	11 U	11 U	21 U	11 U	NA	11 U
B163	04/01/2014	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B163	04/01/2014	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
B175S	09/03/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
B175S	09/03/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 U	0.9 U	0.9 U	0.9 U
B175S	04/13/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B175S	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B175S	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B175S	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B175S	04/04/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B175S	04/04/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B175W	09/08/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B175W	09/08/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
B175W	04/13/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B175W	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B175W	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B175W	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B175W	04/04/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B175W	04/04/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B177	09/23/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
B177	09/23/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	4.7 UJ	0.9 U	0.9 U	0.9 U
B177	04/18/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B177	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B177	10/05/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B177	10/05/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B177	04/04/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B177	04/04/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
B178	09/02/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B178	09/02/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
B178	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B178	04/15/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B178	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B178	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B178	04/03/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B178	04/03/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B180	09/15/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B180	09/15/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.8 UJ	1 U	1 U	1 U
B180	04/13/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B180	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B180	10/06/2011	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
B180	10/06/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B180	10/06/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B180	10/06/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B180	04/04/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B180	04/04/2012	NA	9.7 U	9.7 U	NA	9.7 U	9.7 U	9.7 U	NA	NA	NA	9.7 U	9.7 U	19 U	9.7 U	NA	9.7 U
B180	04/08/2013	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B180	04/08/2013	NA	9.3 U	9.3 U	NA	9.3 U	9.3 U	9.3 U	NA	NA	NA	9.3 U	9.3 U	19 U	9.3 U	NA	9.3 U
B180	04/08/2014	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B180	04/08/2014	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
B185	09/02/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B185	09/02/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 U	0.9 U	0.9 U	0.9 U
B185	04/15/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B185	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B185	04/15/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B185	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B185	10/03/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B185	10/03/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B185	10/03/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B185	10/03/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B185	04/02/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B185	04/02/2012	NA	9.6 U	9.6 U	NA	9.6 U	9.6 U	9.6 U	NA	NA	NA	9.6 U	9.6 U	19 U	9.6 U	NA	9.6 U
B194	09/09/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
B194	09/09/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 UJ	0.9 U	0.9 U	0.9 U
B194	04/13/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B194	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B194	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B194	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B194	04/04/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B194	04/04/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
B195	09/09/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
B195	09/09/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 UJ	0.9 U	0.9 U	0.9 U
B195	04/13/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B195	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B195	04/13/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B195	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B195	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B195	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 UJ	0.09 U	NA	NA	NA	NA	0.09 U	NA
B195	04/03/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B195	04/03/2012	NA	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	NA	NA	NA	9.5 U	9.5 U	19 U	9.5 U	NA	9.5 U
B197	09/09/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
B197	09/09/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 UJ	0.9 U	0.9 U	0.9 U
B197	09/09/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
B197	09/09/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.8 UJ	1 U	1 U	1 U
B197	04/13/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B197	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B197	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B197	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B197	04/03/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B197	04/03/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B197	04/03/2012	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
B197	04/03/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
B277	09/15/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B277	09/15/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
B277	04/18/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B277	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B277	10/05/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B277	10/05/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B277	04/03/2012	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
B277	04/03/2012	NA	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	NA	NA	NA	9.5 U	9.5 U	19 U	9.5 U	NA	9.5 U
B278	09/16/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B278	09/16/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
B278	04/19/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B278	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B278	10/05/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B278	10/05/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B278	04/05/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B278	04/05/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
B280A	09/16/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
B280A	09/16/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B280A	04/14/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B280A	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B280A	10/06/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B280A	10/06/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B280A	04/03/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B280A	04/03/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B280A	04/04/2013	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B280A	04/04/2013	NA	10 U	10 U	NA	10 U	10 U	10 U	NA	NA	NA	10 U	10 U	20 UJ	10 U	NA	10 U
B280A	04/09/2014	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
B280A	04/09/2014	NA	9.3 U	9.3 U	NA	9.3 U	9.3 U	9.3 U	NA	NA	NA	9.3 U	9.3 U	19 U	9.3 U	NA	9.3 U
B280B	10/01/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B280B	10/01/2010	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
B280B	04/14/2011	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U
B280B	04/14/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B280B	10/06/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B280B	10/06/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B280B	04/03/2012	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
B280B	04/03/2012	NA	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	NA	NA	NA	9.5 U	9.5 U	19 U	9.5 U	NA	9.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
B300	09/09/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
B300	09/09/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 UJ	0.9 U	0.9 U	0.9 U
B300	04/15/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B300	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B300	10/06/2011	0.5 U	NA	NA	0.5 U	NA	NA	NA	NA	0.5 U	0.5 U	NA	NA	NA	NA	0.5 U	NA
B300	10/06/2011	NA	97 U	97 U	NA	97 U	97 U	97 U	NA	NA	NA	97 U	97 U	190 U	97 U	NA	97 U
B300	04/09/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B300	04/09/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B38	09/15/2010	0.05 UJ	NA	NA	0.05 UJ	NA	NA	NA	NA	0.05 UJ	0.05 UJ	NA	NA	NA	NA	0.05 UJ	NA
B38	09/15/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
B38	04/19/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B38	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B38	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B38	04/19/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B38	10/06/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B38	10/06/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B38	04/04/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B38	04/04/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B450	04/19/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B450	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B450	10/10/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B450	10/10/2011	NA	9.6 UJ	9.6 UJ	NA	9.6 UJ	9.6 UJ	9.6 UJ	NA	NA	NA	9.6 UJ	9.6 UJ	19 UJ	9.6 UJ	NA	9.6 UJ
B450	04/06/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B450	04/06/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
B460	09/15/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
B460	09/15/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B460	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B460	04/20/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B460	10/07/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B460	10/07/2011	NA	9.6 U	9.6 U	NA	9.6 U	9.6 U	9.6 U	NA	NA	NA	9.6 U	9.6 U	19 U	9.6 U	NA	9.6 U
B460	04/06/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B460	04/06/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B473	09/24/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B473	09/24/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
B473	04/20/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B473	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B473	10/07/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B473	10/07/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B473	04/06/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B473	04/06/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B474	09/23/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B474	09/23/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
B474	04/20/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B474	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B474	10/07/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B474	10/07/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B474	04/09/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B474	04/09/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
B480	09/24/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B480	09/24/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
B480	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B480	04/19/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B480	10/07/2011	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
B480	10/07/2011	NA	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	NA	NA	NA	9.5 U	9.5 U	19 U	9.5 U	NA	9.5 U
B480	04/09/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B480	04/09/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B490	09/16/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
B490	09/16/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
B490	04/20/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B490	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B490	10/10/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B490	10/10/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
B490	04/09/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
B490	04/09/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
BULB1	10/19/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
BULB1	10/19/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 UJ	0.9 U	0.9 U	0.9 U
BULB1	04/12/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
BULB1	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
BULB1	09/30/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
BULB1	09/30/2011	NA	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	NA	NA	NA	9.5 U	9.5 U	19 U	9.5 U	NA	9.5 U
BULB1	04/05/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
BULB1	04/05/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
BULB2	10/19/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
BULB2	10/19/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
BULB2	04/12/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
BULB2	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
BULB2	09/30/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
BULB2	09/30/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
BULB2	04/05/2012	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
BULB2	04/05/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
BULB2	04/05/2013	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
BULB2	04/05/2013	NA	10 U	10 U	NA	10 U	10 U	10 U	NA	NA	NA	10 U	10 U	20 U	10 U	NA	10 U
BULB2	04/10/2014	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
BULB2	04/10/2014	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
CCC1	09/08/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
CCC1	09/08/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 U	0.9 U	0.9 U	0.9 U
CCC1	04/14/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCC1	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC1	10/05/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCC1	10/05/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
CCC1	04/10/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCC1	04/10/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
CCC2	09/08/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
CCC2	09/08/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.8 U	1 U	1 U	1 U
CCC2	04/14/2011	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
CCC2	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC2	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCC2	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
CCC2	04/10/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCC2	04/10/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
CCC2	04/02/2013	NA	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	NA	NA	NA	9.5 U	9.5 U	19 U	9.5 U	NA	9.5 U
CCC2	04/02/2013	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCC2	04/02/2013	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCC2	04/02/2013	NA	9.3 U	9.3 U	NA	9.3 U	9.3 U	9.3 U	NA	NA	NA	9.3 U	9.3 U	19 U	9.3 U	NA	9.3 U
CCC2	04/02/2014	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
CCC2	04/02/2014	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
CCC3	09/03/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
CCC3	09/03/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 U	0.9 U	0.9 U	0.9 U
CCC3	09/03/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
CCC3	09/03/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 U	0.9 U	0.9 U	0.9 U
CCC3	04/12/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCC3	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC3	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCC3	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
CCC3	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCC3	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
CCC3	04/10/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCC3	04/10/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
CCCT	09/03/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
CCCT	09/03/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 U	0.9 U	0.9 U	0.9 U
CCCT	04/18/2011	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
CCCT	04/18/2011	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
CCCT	10/03/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCCT	10/03/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
CCCT	04/04/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CCCT	04/04/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
CTP	09/30/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
CTP	09/30/2010	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
CTP	09/30/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
CTP	09/30/2010	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
CTP	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CTP	04/14/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CTP	10/06/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CTP	10/06/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
CTP	04/03/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CTP	04/03/2012	NA	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	NA	NA	NA	9.5 U	9.5 U	19 U	9.5 U	NA	9.5 U
CTP	04/04/2013	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
CTP	04/04/2013	NA	10 U	10 U	NA	10 U	10 U	10 U	NA	NA	NA	10 U	10 U	20 UJ	10 U	NA	10 U
CTP	04/03/2014	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
CTP	04/03/2014	NA	9.3 U	9.3 U	NA	9.3 U	9.3 U	9.3 U	NA	NA	NA	9.3 U	9.3 U	19 U	9.3 U	NA	9.3 U
CTP	04/03/2014	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CTP	04/03/2014	NA	10 U	10 U	NA	10 U	10 U	10 U	NA	NA	NA	10 U	10 U	20 U	10 U	NA	10 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
CTPS	10/01/2010	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6 UJ	1.2 U	1.2 U	1.2 U
CTPS	10/18/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
CTPS	04/19/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CTPS	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CTPS	10/07/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
CTPS	10/10/2011	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
CTPS	04/05/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
CTPS	04/05/2012	NA	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	NA	NA	NA	9.5 U	9.5 U	19 U	9.5 U	NA	9.5 U
DH	09/30/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
DH	09/30/2010	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
DH	04/14/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
DH	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
DH	10/05/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
DH	10/05/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
DH	04/05/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
DH	04/06/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
EERC	10/01/2010	1 U	1 U	1 U	1 U	1 U	0.6 J	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
EERC	10/15/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
EERC	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
EERC	04/20/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
EERC	10/07/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
EERC	10/07/2011	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
EERC	04/06/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
EERC	04/06/2012	NA	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	NA	NA	NA	9.5 U	9.5 U	19 U	9.5 U	NA	9.5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
EPA	09/16/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
EPA	09/16/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
EPA	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
EPA	04/19/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
EPA	10/06/2011	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
EPA	10/06/2011	NA	9.8 U	9.8 U	NA	9.8 U	9.8 U	9.8 U	NA	NA	NA	9.8 U	9.8 U	20 U	9.8 U	NA	9.8 U
EPA	04/06/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.04 J	0.03 J	NA	NA	NA	NA	0.09 U	NA
EPA	04/06/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
EPA	04/06/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
EPA	04/06/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
EPA	04/04/2013	NA	9.3 U	9.3 U	NA	9.3 U	9.3 U	9.3 U	NA	NA	NA	9.3 U	9.3 U	19 UJ	9.3 U	NA	9.3 U
EPA	04/04/2013	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
EPA	04/10/2014	NA	9.6 U	9.6 U	NA	9.6 U	9.6 U	9.6 U	NA	NA	NA	9.6 U	9.6 U	19 U	9.6 U	NA	9.6 U
EPA	04/10/2014	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
ETA	09/24/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.041 J	0.17	NA	NA	NA	NA	0.05 U	NA
ETA	09/24/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 UJ	0.9 U	0.9 U	0.9 U
ETA	09/24/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.035 J	0.16	NA	NA	NA	NA	0.05 U	NA
ETA	09/24/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
ETA	04/12/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
ETA	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
ETA	09/30/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
ETA	09/30/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
ETA	04/10/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
ETA	04/10/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
ETA	04/10/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
ETA	04/10/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
EXT	09/30/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
EXT	09/30/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
FG	09/23/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
FG	09/23/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
FG	04/19/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
FG	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
FG	04/19/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
FG	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
FG	10/10/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
FG	10/10/2011	NA	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	NA	NA	NA	9.5 U	9.5 U	19 U	9.5 U	NA	9.5 U
FG	04/09/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
FG	04/09/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
GEO	09/03/2010	0.047 U	NA	NA	0.047 U	NA	NA	NA	NA	0.047 U	0.047 U	NA	NA	NA	NA	0.047 U	NA
GEO	09/03/2010	0.9 U	0.9 U	0.9 UJ	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	4.7 U	0.9 U	0.9 U	0.9 U
GEO	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
GEO	04/20/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
GEO	10/06/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
GEO	10/06/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
GEO	04/06/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
GEO	04/06/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
MFA	09/24/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
MFA	09/24/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
MFA	04/12/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
MFA	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
MFA	10/03/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
MFA	10/03/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
MFA	04/05/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
MFA	04/05/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
MFA	04/05/2013	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
MFA	04/05/2013	NA	10 U	10 U	NA	10 U	10 U	10 U	NA	NA	NA	10 U	10 U	20 U	10 U	NA	10 U
MFA	04/08/2014	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
MFA	04/08/2014	NA	9.3 U	9.3 U	NA	9.3 U	9.3 U	9.3 U	NA	NA	NA	9.3 U	9.3 U	19 U	9.3 U	NA	9.3 U
NRLF	09/16/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
NRLF	09/16/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.8 UJ	1 U	1 U	1 U
NRLF	04/20/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
NRLF	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
NRLF	10/06/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
NRLF	10/06/2011	NA	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	NA	NA	NA	9.5 U	9.5 U	19 U	9.5 U	NA	9.5 U
NRLF	04/09/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
NRLF	04/09/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
OBS6	09/30/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
OBS6	09/30/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
PZ11	10/01/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
PZ11	10/01/2010	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
PZ11	04/20/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
PZ11	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ11	10/10/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
PZ11	10/10/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
PZ11	04/05/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
PZ11	04/05/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
PZ8	10/15/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
PZ8	10/15/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
PZ8	04/18/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
PZ8	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ8	10/04/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
PZ8	10/04/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
PZ8	04/03/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
PZ8	04/03/2012	NA	9.7 UJ	9.7 UJ	NA	9.7 UJ	9.7 UJ	9.7 UJ	NA	NA	NA	9.7 UJ	9.7 UJ	19 UJ	9.7 UJ	NA	9.7 UJ
PZ9	09/24/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
PZ9	09/24/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
PZ9	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ9	04/20/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
PZ9	10/07/2011	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
PZ9	10/07/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
PZ9	10/07/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
PZ9	10/07/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
PZ9	04/06/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
PZ9	04/06/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
RWF	09/15/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
RWF	09/15/2010	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
RWF	04/18/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
RWF	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
RWF	10/06/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
RWF	10/06/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
RWF	04/04/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
RWF	04/04/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
TP1	09/29/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
TP1	09/29/2010	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
TP1	04/18/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
TP1	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
TP1	10/07/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
TP1	10/07/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
TP1	04/05/2012	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
TP1	04/05/2012	NA	9.5 U	9.5 U	NA	9.5 U	9.5 U	9.5 U	NA	NA	NA	9.5 U	9.5 U	19 U	9.5 U	NA	9.5 U
TP2	09/29/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
TP2	09/29/2010	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
TP2	04/18/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
TP2	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
TP2	10/07/2011	0.1 U	NA	NA	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	NA
TP2	10/07/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
TP2	04/09/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
TP2	04/09/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
TP2	04/09/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
TP2	04/09/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	Chrysene	Di-N-Butylphthalate	Di-N-Octylphthalate	Dibenz(A,H)Anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Diphenyl Amine	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-Cd)Pyrene	Isophorone
WTA	09/30/2010	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA
WTA	09/30/2010	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U
WTA	04/14/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
WTA	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
WTA	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
WTA	04/14/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
WTA	10/05/2011	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
WTA	10/05/2011	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
WTA	04/05/2012	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
WTA	04/05/2012	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
WTA	04/05/2013	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA
WTA	04/05/2013	NA	9.8 U	9.8 U	NA	9.8 U	9.8 U	9.8 U	NA	NA	NA	9.8 U	9.8 U	20 U	9.8 U	NA	9.8 U
WTA	04/10/2014	NA	9.4 U	9.4 U	NA	9.4 U	9.4 U	9.4 U	NA	NA	NA	9.4 U	9.4 U	19 U	9.4 U	NA	9.4 U
WTA	04/10/2014	0.09 U	NA	NA	0.09 U	NA	NA	NA	NA	0.09 U	0.09 U	NA	NA	NA	NA	0.09 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
B120	09/09/2010	0.9 U	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
B120	09/09/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
B120	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B120	04/15/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B120	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B120	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B120	04/03/2012	9.6 U	9.6 U	9.6 U	NA	9.6 U	19 U	NA	9.6 U	NA
B120	04/03/2012	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
B121	09/08/2010	0.9 U	NA	NA	0.9 U	0.9 UJ	4.7 U	0.9 U	4.7 U	0.9 U
B121	09/08/2010	NA	NA	NA	0.048 U	NA	NA	0.048 U	NA	0.048 U
B121	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B121	04/13/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B121	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B121	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B121	04/04/2012	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
B121	04/04/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
B128	09/23/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B128	09/23/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
B128	09/23/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B128	09/23/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B128	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B128	04/18/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B128	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B128	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B128	04/02/2012	9.6 U	9.6 U	9.6 U	NA	9.6 U	19 U	NA	9.6 U	NA
B128	04/02/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B128	04/05/2013	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B128	04/05/2013	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B128	04/10/2014	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B128	04/10/2014	9.8 U	9.8 U	9.8 U	NA	9.8 U	20 U	NA	9.8 U	NA
B150	09/08/2010	1 U	NA	NA	1 U	1 U	4.8 U	1 U	4.8 U	1 U
B150	09/08/2010	NA	NA	NA	0.048 U	NA	NA	0.048 U	NA	0.048 U
B150	04/13/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B150	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B150	10/05/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B150	10/05/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B150	10/05/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B150	10/05/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B150	04/04/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B150	04/04/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B150	04/04/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B150	04/04/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
B158	09/08/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
B158	09/08/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B158	04/15/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B158	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B158	10/05/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B158	10/05/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B158	04/06/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B158	04/06/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B163	09/02/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
B163	09/02/2010	1 UJ	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B163	04/12/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B163	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B163	10/03/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B163	10/03/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B163	04/02/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B163	04/02/2012	9.6 U	9.6 U	9.6 U	NA	9.6 U	19 U	NA	9.6 U	NA
B163	04/03/2013	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
B163	04/03/2013	11 U	11 U	11 U	NA	11 U	21 U	NA	11 U	NA
B163	04/01/2014	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B163	04/01/2014	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
B175S	09/03/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
B175S	09/03/2010	0.9 UJ	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
B175S	04/13/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B175S	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B175S	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B175S	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B175S	04/04/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B175S	04/04/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B175W	09/08/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B175W	09/08/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B175W	04/13/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B175W	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B175W	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B175W	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B175W	04/04/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B175W	04/04/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B177	09/23/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
B177	09/23/2010	0.9 U	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
B177	04/18/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B177	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B177	10/05/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B177	10/05/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B177	04/04/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B177	04/04/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
B178	09/02/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B178	09/02/2010	1 UJ	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B178	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B178	04/15/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B178	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B178	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B178	04/03/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B178	04/03/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B180	09/15/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B180	09/15/2010	1 U	NA	NA	1 U	1 U	4.8 U	1 U	4.8 U	1 U
B180	04/13/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B180	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B180	10/06/2011	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
B180	10/06/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B180	10/06/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B180	10/06/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B180	04/04/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B180	04/04/2012	9.7 U	9.7 U	9.7 U	NA	9.7 U	19 U	NA	9.7 U	NA
B180	04/08/2013	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B180	04/08/2013	9.3 U	9.3 U	9.3 U	NA	9.3 U	19 U	NA	9.3 U	NA
B180	04/08/2014	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B180	04/08/2014	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
B185	09/02/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B185	09/02/2010	0.9 UJ	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
B185	04/15/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.02 J
B185	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B185	04/15/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B185	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B185	10/03/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B185	10/03/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B185	10/03/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B185	10/03/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B185	04/02/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B185	04/02/2012	9.6 U	9.6 U	9.6 U	NA	9.6 U	19 U	NA	9.6 U	NA
B194	09/09/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
B194	09/09/2010	0.9 U	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
B194	04/13/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B194	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B194	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B194	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B194	04/04/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B194	04/04/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
B195	09/09/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
B195	09/09/2010	0.9 U	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
B195	04/13/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B195	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B195	04/13/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B195	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B195	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B195	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B195	04/03/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B195	04/03/2012	9.5 U	9.5 U	9.5 U	NA	9.5 U	19 U	NA	9.5 U	NA
B197	09/09/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
B197	09/09/2010	0.9 U	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
B197	09/09/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
B197	09/09/2010	1 U	NA	NA	1 U	1 U	4.8 U	1 U	4.8 U	1 U
B197	04/13/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B197	04/13/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B197	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B197	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B197	04/03/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B197	04/03/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B197	04/03/2012	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
B197	04/03/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
B277	09/15/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B277	09/15/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B277	04/18/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B277	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B277	10/05/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B277	10/05/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B277	04/03/2012	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
B277	04/03/2012	9.5 U	9.5 U	9.5 U	NA	9.5 U	19 U	NA	9.5 U	NA
B278	09/16/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B278	09/16/2010	1 U	NA	NA	1 U	1 UJ	5 U	1 U	5 U	1 U
B278	04/19/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B278	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B278	10/05/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B278	10/05/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B278	04/05/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B278	04/05/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
B280A	09/16/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B280A	09/16/2010	NA	NA	NA	0.035 J	NA	NA	0.05 U	NA	0.05 U
B280A	04/14/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B280A	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B280A	10/06/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B280A	10/06/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B280A	04/03/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B280A	04/03/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B280A	04/04/2013	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B280A	04/04/2013	10 U	10 U	10 U	NA	10 U	20 U	NA	10 U	NA
B280A	04/09/2014	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
B280A	04/09/2014	9.3 U	9.3 U	9.3 U	NA	9.3 U	19 U	NA	9.3 U	NA
B280B	10/01/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B280B	10/01/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B280B	04/14/2011	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U
B280B	04/14/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B280B	10/06/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B280B	10/06/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B280B	04/03/2012	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
B280B	04/03/2012	9.5 U	9.5 U	9.5 U	NA	9.5 U	19 U	NA	9.5 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
B300	09/09/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
B300	09/09/2010	0.9 U	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
B300	04/15/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B300	04/15/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B300	10/06/2011	NA	NA	NA	0.5 U	NA	NA	0.5 U	NA	0.5 U
B300	10/06/2011	97 U	97 U	97 U	NA	97 U	190 U	NA	97 U	NA
B300	04/09/2012	NA	NA	NA	0.02 J	NA	NA	0.09 U	NA	0.09 U
B300	04/09/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B38	09/15/2010	NA	NA	NA	0.05 UJ	NA	NA	0.05 UJ	NA	0.05 UJ
B38	09/15/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B38	04/19/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B38	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B38	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B38	04/19/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B38	10/06/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B38	10/06/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B38	04/04/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B38	04/04/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B450	04/19/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B450	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B450	10/10/2011	NA	NA	NA	0.02 J	NA	NA	0.09 U	NA	0.09 U
B450	10/10/2011	9.6 UJ	9.6 UJ	9.6 UJ	NA	9.6 UJ	19 UJ	NA	9.6 UJ	NA
B450	04/06/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B450	04/06/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
B460	09/15/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B460	09/15/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B460	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B460	04/20/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 UJ
B460	10/07/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B460	10/07/2011	9.6 U	9.6 U	9.6 U	NA	9.6 U	19 U	NA	9.6 U	NA
B460	04/06/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B460	04/06/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B473	09/24/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B473	09/24/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B473	04/20/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B473	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B473	10/07/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B473	10/07/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B473	04/06/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B473	04/06/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B474	09/23/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B474	09/23/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B474	04/20/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B474	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B474	10/07/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B474	10/07/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B474	04/09/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B474	04/09/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
B480	09/24/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B480	09/24/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B480	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B480	04/19/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B480	10/07/2011	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
B480	10/07/2011	9.5 U	9.5 U	9.5 U	NA	9.5 U	19 U	NA	9.5 U	NA
B480	04/09/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B480	04/09/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B490	09/16/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
B490	09/16/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
B490	04/20/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B490	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
B490	10/10/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B490	10/10/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
B490	04/09/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
B490	04/09/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
BULB1	10/19/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
BULB1	10/19/2010	0.9 U	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
BULB1	04/12/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
BULB1	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
BULB1	09/30/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
BULB1	09/30/2011	9.5 U	9.5 U	9.5 U	NA	9.5 U	19 U	NA	9.5 U	NA
BULB1	04/05/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
BULB1	04/05/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
BULB2	10/19/2010	NA	NA	NA	0.19	NA	NA	0.05 U	NA	0.05 U
BULB2	10/19/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
BULB2	04/12/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
BULB2	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
BULB2	09/30/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
BULB2	09/30/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
BULB2	04/05/2012	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
BULB2	04/05/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
BULB2	04/05/2013	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
BULB2	04/05/2013	10 U	10 U	10 U	NA	10 U	20 U	NA	10 U	NA
BULB2	04/10/2014	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
BULB2	04/10/2014	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
CCC1	09/08/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
CCC1	09/08/2010	0.9 U	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
CCC1	04/14/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCC1	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC1	10/05/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCC1	10/05/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
CCC1	04/10/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCC1	04/10/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
CCC2	09/08/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
CCC2	09/08/2010	1 U	NA	NA	1 U	1 U	4.8 U	1 U	4.8 U	1 U
CCC2	04/14/2011	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
CCC2	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC2	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCC2	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
CCC2	04/10/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCC2	04/10/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
CCC2	04/02/2013	9.5 U	9.5 U	9.5 U	NA	9.5 U	19 U	NA	9.5 U	NA
CCC2	04/02/2013	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCC2	04/02/2013	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCC2	04/02/2013	9.3 U	9.3 U	9.3 U	NA	9.3 U	19 U	NA	9.3 U	NA
CCC2	04/02/2014	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
CCC2	04/02/2014	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
CCC3	09/03/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
CCC3	09/03/2010	0.9 UJ	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
CCC3	09/03/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
CCC3	09/03/2010	0.9 UJ	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
CCC3	04/12/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCC3	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CCC3	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCC3	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
CCC3	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCC3	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
CCC3	04/10/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCC3	04/10/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
CCCT	09/03/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
CCCT	09/03/2010	0.9 UJ	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
CCCT	04/18/2011	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
CCCT	04/18/2011	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
CCCT	10/03/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCCT	10/03/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
CCCT	04/04/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CCCT	04/04/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
CTP	09/30/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
CTP	09/30/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
CTP	09/30/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
CTP	09/30/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
CTP	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CTP	04/14/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CTP	10/06/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CTP	10/06/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
CTP	04/03/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CTP	04/03/2012	9.5 U	9.5 U	9.5 U	NA	9.5 U	19 U	NA	9.5 U	NA
CTP	04/04/2013	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
CTP	04/04/2013	10 U	10 U	10 U	NA	10 U	20 U	NA	10 U	NA
CTP	04/03/2014	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
CTP	04/03/2014	9.3 U	9.3 U	9.3 U	NA	9.3 U	19 U	NA	9.3 U	NA
CTP	04/03/2014	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CTP	04/03/2014	10 U	10 U	10 U	NA	10 U	20 U	NA	10 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
CTPS	10/01/2010	1.2 U	NA	NA	1.2 U	1.2 U	6 U	1.2 U	6 U	1.2 U
CTPS	10/18/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
CTPS	04/19/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CTPS	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
CTPS	10/07/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
CTPS	10/10/2011	NA	NA	NA	0.02 J	NA	NA	0.1 U	NA	0.1 U
CTPS	04/05/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
CTPS	04/05/2012	9.5 U	9.5 U	9.5 U	NA	9.5 U	19 U	NA	9.5 U	NA
DH	09/30/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
DH	09/30/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
DH	04/14/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
DH	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
DH	10/05/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
DH	10/05/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
DH	04/05/2012	NA	NA	NA	0.03 J	NA	NA	0.09 U	NA	0.09 U
DH	04/06/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
EERC	10/01/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
EERC	10/15/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
EERC	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
EERC	04/20/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
EERC	10/07/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
EERC	10/07/2011	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
EERC	04/06/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
EERC	04/06/2012	9.5 U	9.5 U	9.5 U	NA	9.5 U	19 U	NA	9.5 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
EPA	09/16/2010	NA	NA	NA	0.042 J	NA	NA	0.05 U	NA	0.05 U
EPA	09/16/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
EPA	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
EPA	04/19/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
EPA	10/06/2011	NA	NA	NA	0.02 J	NA	NA	0.1 U	NA	0.1 U
EPA	10/06/2011	9.8 U	9.8 U	9.8 U	NA	9.8 U	20 U	NA	9.8 U	NA
EPA	04/06/2012	NA	NA	NA	0.4	NA	NA	0.02 J	NA	0.02 J
EPA	04/06/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
EPA	04/06/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
EPA	04/06/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
EPA	04/04/2013	9.3 U	9.3 U	9.3 U	NA	9.3 U	19 U	NA	9.3 U	NA
EPA	04/04/2013	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
EPA	04/10/2014	9.6 U	9.6 U	9.6 U	NA	9.6 U	19 U	NA	9.6 U	NA
EPA	04/10/2014	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
ETA	09/24/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.088
ETA	09/24/2010	0.9 U	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
ETA	09/24/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.074
ETA	09/24/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
ETA	04/12/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
ETA	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
ETA	09/30/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.04 J
ETA	09/30/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
ETA	04/10/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.03 J
ETA	04/10/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
ETA	04/10/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.03 J
ETA	04/10/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
EXT	09/30/2011	NA	NA	NA	0.04 J	NA	NA	0.09 U	NA	0.09 U
EXT	09/30/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
FG	09/23/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
FG	09/23/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
FG	04/19/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
FG	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
FG	04/19/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
FG	04/19/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
FG	10/10/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
FG	10/10/2011	9.5 U	9.5 U	9.5 U	NA	9.5 U	19 U	NA	9.5 U	NA
FG	04/09/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
FG	04/09/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
GEO	09/03/2010	NA	NA	NA	0.047 U	NA	NA	0.047 U	NA	0.047 U
GEO	09/03/2010	0.9 UJ	NA	NA	0.9 U	0.9 U	4.7 U	0.9 U	4.7 U	0.9 U
GEO	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
GEO	04/20/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 UJ
GEO	10/06/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
GEO	10/06/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
GEO	04/06/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
GEO	04/06/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
MFA	09/24/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
MFA	09/24/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
MFA	04/12/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
MFA	04/12/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
MFA	10/03/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
MFA	10/03/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
MFA	04/05/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
MFA	04/05/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
MFA	04/05/2013	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
MFA	04/05/2013	10 U	10 U	10 U	NA	10 U	20 U	NA	10 U	NA
MFA	04/08/2014	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 UJ
MFA	04/08/2014	9.3 U	9.3 U	9.3 U	NA	9.3 U	19 U	NA	9.3 U	NA
NRLF	09/16/2010	NA	NA	NA	0.029 J	NA	NA	0.05 U	NA	0.05 U
NRLF	09/16/2010	1 U	NA	NA	1 U	1 U	4.8 U	1 U	4.8 U	1 U
NRLF	04/20/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 UJ
NRLF	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
NRLF	10/06/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
NRLF	10/06/2011	9.5 U	9.5 U	9.5 U	NA	9.5 U	19 U	NA	9.5 U	NA
NRLF	04/09/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
NRLF	04/09/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
OBS6	09/30/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
OBS6	09/30/2011	NA	NA	NA	0.04 J	NA	NA	0.09 U	NA	0.09 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
PZ11	10/01/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
PZ11	10/01/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
PZ11	04/20/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
PZ11	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ11	10/10/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
PZ11	10/10/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
PZ11	04/05/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
PZ11	04/05/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
PZ8	10/15/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
PZ8	10/15/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
PZ8	04/18/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
PZ8	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ8	10/04/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
PZ8	10/04/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
PZ8	04/03/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
PZ8	04/03/2012	9.7 UJ	9.7 UJ	9.7 UJ	NA	9.7 UJ	19 UJ	NA	9.7 UJ	NA
PZ9	09/24/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
PZ9	09/24/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
PZ9	04/20/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
PZ9	04/20/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 UJ
PZ9	10/07/2011	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
PZ9	10/07/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
PZ9	10/07/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
PZ9	10/07/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
PZ9	04/06/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
PZ9	04/06/2012	9.4 U	9.4 U	9.4 U	NA	9.4 UJ	19 U	NA	9.4 U	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
RWF	09/15/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
RWF	09/15/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
RWF	04/18/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
RWF	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
RWF	10/06/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
RWF	10/06/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
RWF	04/04/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
RWF	04/04/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
TP1	09/29/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.036 UJ
TP1	09/29/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
TP1	04/18/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
TP1	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
TP1	10/07/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
TP1	10/07/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
TP1	04/05/2012	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
TP1	04/05/2012	9.5 U	9.5 U	9.5 U	NA	9.5 U	19 U	NA	9.5 U	NA
TP2	09/29/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
TP2	09/29/2010	1 U	NA	NA	1 U	1 U	5 U	1 U	5 U	1 U
TP2	04/18/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
TP2	04/18/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
TP2	10/07/2011	NA	NA	NA	0.1 U	NA	NA	0.1 U	NA	0.1 U
TP2	10/07/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
TP2	04/09/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
TP2	04/09/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
TP2	04/09/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
TP2	04/09/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

SVOC AND PAH (µg/L)

Location ID	Sample Date	N-Nitroso-Di-N-Propylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine(1)	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
WTA	09/30/2010	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	0.05 U
WTA	09/30/2010	1 U	NA	NA	1 U	1 UJ	5 U	1 U	5 U	1 U
WTA	04/14/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
WTA	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
WTA	04/14/2011	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U
WTA	04/14/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
WTA	10/05/2011	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
WTA	10/05/2011	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
WTA	04/05/2012	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
WTA	04/05/2012	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
WTA	04/05/2013	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U
WTA	04/05/2013	9.8 U	9.8 U	9.8 U	NA	9.8 U	20 U	NA	9.8 U	NA
WTA	04/10/2014	9.4 U	9.4 U	9.4 U	NA	9.4 U	19 U	NA	9.4 U	NA
WTA	04/10/2014	NA	NA	NA	0.09 U	NA	NA	0.09 U	NA	0.09 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

		PCBs (µg/L)									PESTICIDES (µg/L)						
Location ID	Sample Date	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	Alpha-BHC	Alpha-Chlordane	Beta-BHC
B120	09/09/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.09 J	0.19 U	0.19 U	0.19 U	0.19 U	0.09 U	0.09 U	0.09 U	0.05 UJ	0.05 U	0.05 U	0.05 U
B121	09/08/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B128	09/23/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B128	09/23/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B150	09/08/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B158	09/08/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U
B163	09/02/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B175S	09/03/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B175W	09/08/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B177	09/23/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U
B178	09/02/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B180	09/15/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B185	09/02/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B194	09/09/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.09 U	0.09 U	0.09 U	0.05 UJ	0.05 U	0.05 U	0.05 U
B195	09/09/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.1 U	0.1 U	0.1 U	0.05 UJ	0.05 U	0.05 U	0.05 U
B197	09/09/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.1 U	0.1 U	0.1 U	0.05 UJ	0.05 U	0.05 U	0.05 U
B197	09/09/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.09 U	0.09 U	0.09 U	0.05 UJ	0.05 U	0.05 U	0.05 U
B277	09/15/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B278	09/16/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B280A	09/16/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B280B	10/01/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B300	09/09/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 UJ	0.05 U	0.05 U	0.05 U
B38	09/15/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B460	09/15/2010	0.2 UJ	0.4 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B473	09/24/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B474	09/23/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

		PCBs (µg/L)									PESTICIDES (µg/L)						
Location ID	Sample Date	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	Alpha-BHC	Alpha-Chlordane	Beta-BHC
B480	09/24/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
B490	09/16/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
BULB1	10/19/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U
BULB2	10/19/2010	0.19 UJ	0.38 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U
CCC1	09/08/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
CCC2	09/08/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
CCC3	09/03/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U
CCC3	09/03/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U
CCCT	09/03/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U
CTP	09/30/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
CTP	09/30/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
CTPS	09/30/2010	0.22 UJ	0.44 UJ	0.22 UJ	0.22 UJ	0.22 UJ	0.22 UJ	0.22 UJ	0.22 UJ	0.22 UJ	NA	NA	NA	NA	NA	NA	NA
CTPS	10/18/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.11 U	0.11 U	0.11 U	0.05 U	0.05 U	0.05 U	0.05 U
DH	09/30/2010	0.2 UJ	0.4 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
EERC	10/01/2010	0.2 UJ	0.4 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	NA	NA	NA	NA	NA	NA	NA
EERC	10/15/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
EPA	09/16/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U
ETA	09/24/2010	0.2 UJ	0.4 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
ETA	09/24/2010	0.2 UJ	0.4 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
EXT	09/30/2011	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
FG	09/23/2010	0.2 UJ	0.4 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
GEO	09/03/2010	0.19 U	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U
MFA	09/24/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
NRLF	09/16/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
OBS6	09/30/2011	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U
PZ11	10/01/2010	0.19 UJ	0.38 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

		PCBs (µg/L)									PESTICIDES (µg/L)						
Location ID	Sample Date	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	Alpha-BHC	Alpha-Chlordane	Beta-BHC
PZ8	10/15/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
PZ9	09/24/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
RWF	09/15/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
TP1	09/29/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U
TP2	09/29/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
WTA	09/30/2010	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

PESTICIDES (µg/L)

Location ID	Sample Date	Chlordane	Delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Gamma-BHC (Lindane)	Gamma-Chlordane	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene
B120	09/09/2010	4.7 U	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	4.7 U
B121	09/08/2010	4.8 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.48 U	4.8 U
B128	09/23/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B128	09/23/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B150	09/08/2010	4.8 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.48 U	4.8 U
B158	09/08/2010	4.7 U	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	4.7 U
B163	09/02/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B175S	09/03/2010	4.8 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.48 U	4.8 U
B175W	09/08/2010	4.8 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.48 U	4.8 U
B177	09/23/2010	4.7 U	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	4.7 U
B178	09/02/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B180	09/15/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B185	09/02/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B194	09/09/2010	NA	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	NA
B195	09/09/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B197	09/09/2010	4.8 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.48 U	4.8 U
B197	09/09/2010	4.7 U	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	4.7 U
B277	09/15/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B278	09/16/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B280A	09/16/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B280B	10/01/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B300	09/09/2010	NA	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	NA
B38	09/15/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B460	09/15/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B473	09/24/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

PESTICIDES (µg/L)

Location ID	Sample Date	Chlordane	Delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Gamma-BHC (Lindane)	Gamma-Chlordane	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene
B474	09/23/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B480	09/24/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
B490	09/16/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
BULB1	10/19/2010	4.7 U	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	4.7 U
BULB2	10/19/2010	4.7 U	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	4.7 U
CCC1	09/08/2010	4.8 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.48 U	4.8 U
CCC2	09/08/2010	4.8 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.48 U	4.8 U
CCC3	09/03/2010	4.7 U	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	4.7 U
CCC3	09/03/2010	4.7 U	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	4.7 U
CCCT	09/03/2010	4.7 U	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	4.7 U
CTP	09/30/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
CTP	09/30/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
CTPS	09/30/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CTPS	10/18/2010	5.5 U	0.05 U	0.11 U	0.05 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.05 U	0.05 U	0.05 U	0.05 U	0.55 U	5.5 U
DH	09/30/2010	4.8 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.48 U	4.8 U
EERC	10/01/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EERC	10/15/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
EPA	09/16/2010	4.7 U	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	4.7 U
ETA	09/24/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
ETA	09/24/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
EXT	09/30/2011	NA	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	1 U
FG	09/23/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
GEO	09/03/2010	4.7 U	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	4.7 U
MFA	09/24/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
NRLF	09/16/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

PESTICIDES (µg/L)

Location ID	Sample Date	Chlordane	Delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Gamma-BHC (Lindane)	Gamma-Chlordane	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene
OBS6	09/30/2011	NA	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.9 U
PZ11	10/01/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
PZ8	10/15/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
PZ9	09/24/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
RWF	09/15/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
TP1	09/29/2010	4.7 U	0.05 U	0.09 U	0.05 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.05 U	0.05 U	0.05 U	0.05 U	0.47 U	4.7 U
TP2	09/29/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U
WTA	09/30/2010	5 U	0.05 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	5 U

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

		TPH (mg/L)			MISCELLANEOUS (mg/L)		
Location ID	Sample Date	Diesel Range Organic	Motor Oil Range Organic	Gasoline Range Organic	Perchlorate	Hardness	Total Dissolved Solids
B120	09/09/2010	0.24 U	0.95 U	0.07 Z	2 U	1000	1900
B120	04/15/2011	0.05 U	0.3 U	0.086	NA	NA	2510
B120	10/04/2011	0.013 J	0.3 U	0.1 YZ	NA	NA	2230
B120	04/03/2012	0.05 U	0.3 U	0.097 UJ	NA	NA	2190
B121	09/08/2010	0.25 U	1 U	0.05 U	2 U	280	520
B121	04/13/2011	0.05 UJ	0.3 U	0.05 UJ	NA	NA	520
B121	10/04/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	530
B121	04/04/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	510
B128	09/23/2010	0.25 U	1 U	0.05 U	2 U	360	800
B128	09/23/2010	0.25 U	1 U	0.05 U	2 U	320	970
B128	04/18/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	500
B128	10/04/2011	0.028 J	0.3 U	0.05 UJ	NA	NA	560
B128	04/02/2012	0.05 UJ	0.3 U	0.05 UJ	NA	NA	440
B128DEEP	10/15/2010	NA	NA	NA	2 U	NA	440
B150	09/08/2010	0.24 U	0.95 U	0.05 U	2 U	150	290
B150	04/13/2011	0.05 UJ	0.3 U	0.05 UJ	NA	NA	220
B150	10/05/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	290
B150	10/05/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	280
B150	04/04/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	150
B150	04/04/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	190
B158	09/08/2010	0.24 U	0.95 U	0.05 U	2 U	21	200
B158	04/15/2011	0.05 U	0.3 U	0.05 U	NA	NA	180
B158	10/05/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	310
B158	04/06/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	200
B163	09/02/2010	0.2 ZJ	1 U	0.046 ZJ	2 U	1500	2900
B163	04/12/2011	0.05 U	0.3 U	0.064 Y	NA	NA	2820
B163	10/03/2011	0.011 J	0.3 U	0.062 Z	NA	NA	2860
B163	04/02/2012	0.05 UJ	0.3 U	0.05 UJ	NA	NA	2700

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

		TPH (mg/L)			MISCELLANEOUS (mg/L)		
Location ID	Sample Date	Diesel Range Organic	Motor Oil Range Organic	Gasoline Range Organic	Perchlorate	Hardness	Total Dissolved Solids
B175S	09/03/2010	0.24 U	0.95 U	0.05 U	2 U	310	590
B175S	04/13/2011	0.053 UJ	0.3 U	0.05 UJ	NA	NA	580
B175S	10/04/2011	0.017 J	0.3 U	0.05 UJ	NA	NA	540
B175S	04/04/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	550
B175W	09/08/2010	0.25 U	1 U	0.05 U	2 U	92	270
B175W	04/13/2011	0.052 UJ	0.3 U	0.012 UJ	NA	NA	270
B175W	10/04/2011	0.051 Y	0.091 J	0.05 UJ	NA	NA	290
B175W	04/04/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	210
B177	09/23/2010	0.24 U	0.95 U	0.05 U	2 U	71	190
B177	04/18/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	250
B177	10/05/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	200
B177	04/04/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	270
B178	09/02/2010	0.25 U	1 U	0.063 Z	1.9 J	990	1800
B178	04/15/2011	0.05 U	0.3 U	0.073 UJ	NA	NA	2050
B178	10/04/2011	0.05 U	0.3 U	0.12 YZ	NA	NA	1810
B178	04/03/2012	0.011 J	0.3 U	0.094 UJ	NA	NA	2190
B180	09/15/2010	0.25 U	1 U	0.05 U	2 U	35	360
B180	04/13/2011	0.05 UJ	0.3 U	0.05 UJ	NA	NA	330
B180	10/06/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	350
B180	10/06/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	350
B180	04/04/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	260
B185	09/02/2010	0.12 ZJ	0.95 U	0.036 ZJ	3.1	920	1700
B185	04/15/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	1630
B185	04/15/2011	0.05 U	0.3 U	0.062 UJ	NA	NA	1610
B185	10/03/2011	0.05 U	0.3 U	0.055 YZ	NA	NA	1670
B185	10/03/2011	0.05 U	0.3 U	0.048 J	NA	NA	1630
B185	04/02/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	1670

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

		TPH (mg/L)			MISCELLANEOUS (mg/L)		
Location ID	Sample Date	Diesel Range Organic	Motor Oil Range Organic	Gasoline Range Organic	Perchlorate	Hardness	Total Dissolved Solids
B194	09/09/2010	0.24 U	0.95 U	0.05 U	2 U	300	670
B194	04/13/2011	0.05 UJ	0.3 U	0.05 UJ	NA	NA	660
B194	10/04/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	630
B194	04/04/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	570
B195	09/09/2010	0.24 U	0.95 U	0.059 ZJ	2 U	830	1600
B195	04/13/2011	0.05 UJ	0.3 U	0.05 UJ	NA	NA	570
B195	04/13/2011	0.05 UJ	0.3 U	0.051 Z	NA	NA	550
B195	10/04/2011	0.05 U	0.3 U	0.15 YZ	NA	NA	1610
B195	04/03/2012	0.05 U	0.3 U	0.088 UJ	NA	NA	790
B197	09/09/2010	0.25 U	1 U	0.073 Z	2 U	830	1500
B197	09/09/2010	0.24 U	0.95 U	0.074 Z	2 U	830	1500
B197	04/13/2011	0.05 UJ	0.3 U	0.1 YZ	NA	NA	2170
B197	10/04/2011	0.05 U	0.3 U	0.11 YZ	NA	NA	1560
B197	04/03/2012	0.05 U	0.3 U	0.092 UJ	NA	NA	2290
B197	04/03/2012	0.05 U	0.3 U	0.095 UJ	NA	NA	2240
B277	09/15/2010	0.25 U	1 U	0.05 U	2 U	230	400
B277	04/18/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	450
B277	10/05/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	400
B277	04/03/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	420
B278	09/16/2010	0.25 U	1 U	0.05 U	2 U	1300	2300
B278	04/19/2011	0.05 U	0.3 U	0.019 J	NA	NA	2050 J
B278	10/05/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	2250
B278	04/05/2012	0.01 J	0.3 U	0.05 UJ	NA	NA	NA
B280A	09/16/2010	0.25 U	1 U	0.05 U	2 U	290	510
B280A	04/14/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	430
B280A	10/06/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	510
B280A	04/03/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	540

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

		TPH (mg/L)			MISCELLANEOUS (mg/L)		
Location ID	Sample Date	Diesel Range Organic	Motor Oil Range Organic	Gasoline Range Organic	Perchlorate	Hardness	Total Dissolved Solids
B280B	10/01/2010	0.25 U	1 U	0.05 U	2 U	230	650
B280B	04/14/2011	0.05 U	0.3 U	0.05 U	NA	NA	580
B280B	10/06/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	530
B280B	04/03/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	490
B300	09/09/2010	0.24 U	0.95 U	0.05 U	2 U	720	1100
B300	04/15/2011	0.05 U	0.3 U	0.05 U	NA	NA	2480
B300	10/06/2011	0.33 Y	0.3 U	0.21 YZ	NA	NA	580
B300	04/09/2012	0.0086 J	0.3 U	0.05 UJ	NA	NA	1680
B38	09/15/2010	0.25 U	1 U	0.05 U	2 U	170	310
B38	04/19/2011	0.05 U	0.3 U	0.05 U	NA	NA	350
B38	04/19/2011	0.05 U	0.3 U	0.05 U	NA	NA	350
B38	10/06/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	290
B38	04/04/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	240
B38DEEP	10/18/2010	NA	NA	NA	2 U	NA	350
B450	04/19/2011	0.013 J	0.3 U	0.018 J	NA	NA	610
B450	10/10/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	120
B450	04/06/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	770
B460	09/15/2010	0.25 U	1 U	0.05 U	2 U	150	290
B460	04/20/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	320
B460	10/07/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	320
B460	04/06/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	270
B473	09/24/2010	0.25 U	1 U	0.05 U	2 U	170	460
B473	04/20/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	590
B473	10/07/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	350
B473	04/06/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	300

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

		TPH (mg/L)			MISCELLANEOUS (mg/L)		
Location ID	Sample Date	Diesel Range Organic	Motor Oil Range Organic	Gasoline Range Organic	Perchlorate	Hardness	Total Dissolved Solids
B474	09/23/2010	0.37 ZJ	1 U	0.049 ZJ	2 U	160	430
B474	04/20/2011	0.05 U	0.3 U	0.05 U	NA	NA	420
B474	10/07/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	130
B474	04/09/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	250
B480	09/24/2010	0.25 U	1 U	0.05 U	2 U	320	670
B480	04/19/2011	0.014 J	0.3 U	0.019 J	NA	NA	620
B480	10/07/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	490
B480	04/09/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	640
B480DEEP	10/15/2010	NA	NA	NA	2 U	NA	360
B490	09/16/2010	0.25 U	1 U	0.05 U	2 U	350	540
B490	04/20/2011	0.05 U	0.3 U	0.05 U	NA	NA	560
B490	10/10/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	270
B490	04/09/2012	0.008 J	0.3 U	0.05 UJ	NA	NA	550
BULB1	10/19/2010	0.24 U	0.94 U	0.038 J	40 U	4400	25000
BULB1	04/12/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	22800
BULB1	09/30/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	27600
BULB1	04/05/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	NA
BULB2	10/19/2010	0.17 ZJ	1 U	0.077	10 U	1100	5900
BULB2	04/12/2011	0.0078 J	0.3 U	0.05 UJ	NA	NA	1530
BULB2	09/30/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	930
BULB2	04/05/2012	0.013 J	0.3 U	0.05 UJ	NA	NA	NA
CCC1	09/08/2010	0.24 U	0.95 U	0.05 U	2 U	140	440
CCC1	04/14/2011	0.05 UJ	0.3 U	0.05 U	NA	NA	520
CCC1	10/05/2011	0.012 J	0.3 U	0.05 UJ	NA	NA	510
CCC1	04/10/2012	0.049 U	0.29 U	0.05 UJ	NA	NA	640

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

		TPH (mg/L)			MISCELLANEOUS (mg/L)		
Location ID	Sample Date	Diesel Range Organic	Motor Oil Range Organic	Gasoline Range Organic	Perchlorate	Hardness	Total Dissolved Solids
CCC2	09/08/2010	0.25 U	1 U	0.05 U	2 U	250	630
CCC2	04/14/2011	0.05 UJ	0.3 U	0.05 U	NA	NA	1990
CCC2	10/04/2011	0.014 J	0.3 U	0.05 UJ	NA	NA	770
CCC2	04/10/2012	0.049 U	0.29 U	0.05 UJ	NA	NA	1140
CCC3	09/03/2010	0.24 U	0.95 U	0.05 U	2 U	360	730
CCC3	09/03/2010	0.25 U	1 U	0.05 U	2 U	350	710
CCC3	04/12/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	720
CCC3	10/04/2011	0.018 J	0.3 U	0.05 UJ	NA	NA	700
CCC3	10/04/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	710
CCC3	04/10/2012	0.049 U	0.29 U	0.05 UJ	NA	NA	740
CCCT	09/03/2010	0.24 U	0.94 U	0.038 ZJ	1.6 J	590	1100
CCCT	04/18/2011	0.05 U	0.3 U	0.055 UJ	NA	NA	1110
CCCT	10/03/2011	0.05 U	0.3 U	0.046 JYZ	NA	NA	1120
CCCT	04/04/2012	0.05 U	0.3 U	0.054 UJ	NA	NA	1240
CTP	09/30/2010	0.25 U	1 U	0.05 U	2 U	240	490
CTP	09/30/2010	0.25 U	1 U	0.05 U	2 U	240	500
CTP	04/14/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	480
CTP	10/06/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	480
CTP	04/03/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	540
CTPDEEP	10/15/2010	NA	NA	NA	2 U	NA	370
CTPS	09/30/2010	NA	NA	0.05 U	NA	610	NA
CTPS	04/19/2011	0.05 U	0.3 U	0.013 J	NA	NA	520
CTPS	10/07/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	500
CTPS	04/05/2012	0.013 J	0.3 U	0.05 UJ	NA	NA	NA

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

		TPH (mg/L)			MISCELLANEOUS (mg/L)		
Location ID	Sample Date	Diesel Range Organic	Motor Oil Range Organic	Gasoline Range Organic	Perchlorate	Hardness	Total Dissolved Solids
DH	09/30/2010	0.25 U	1 U	0.05 U	4 U	2700	5500
DH	04/14/2011	0.05 UJ	0.3 U	0.05 UJ	NA	NA	5350
DH	10/05/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	7480
DH	04/05/2012	NA	NA	0.05 UJ	NA	NA	NA
DH	04/06/2012	0.0085 J	0.3 U	NA	NA	NA	4580
EERC	10/01/2010	0.16 J	1 U	0.05 U	NA	2500	NA
EERC	10/15/2010	NA	NA	NA	4 U	NA	4800
EERC	04/20/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	4260
EERC	10/07/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	3530
EERC	04/06/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	4190
EPA	09/16/2010	0.25 U	1 U	0.05 U	2 U	380	710
EPA	04/19/2011	0.05 U	0.3 U	0.013 J	NA	NA	950
EPA	10/06/2011	0.012 UJ	0.3 U	0.05 UJ	NA	NA	950
EPA	04/06/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	1050
EPA	04/06/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	1100
ETA	09/24/2010	0.12 J	1 U	0.05 U	2 U	630	1300
ETA	09/24/2010	0.12 J	1 U	0.05 U	2 U	620	1300
ETA	04/12/2011	0.014 J	0.3 U	0.05 UJ	NA	NA	1410
ETA	09/30/2011	0.014 J	0.3 U	0.05 UJ	NA	NA	1290
ETA	04/10/2012	0.049 U	0.29 U	0.05 UJ	NA	NA	1510
ETA	04/10/2012	0.049 U	0.29 U	0.05 UJ	NA	NA	1510
EXT	09/30/2011	0.014 J	0.3 U	0.05 UJ	NA	NA	240
FG	09/23/2010	0.25 U	1 U	0.05 U	2 U	820	1300
FG	04/19/2011	0.05 U	0.3 U	0.021 J	NA	NA	590
FG	04/19/2011	0.05 U	0.3 U	0.016 J	NA	NA	580
FG	10/10/2011	0.05 UJ	0.3 UJ	0.05 UJ	NA	NA	800
FG	04/09/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	500

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

		TPH (mg/L)			MISCELLANEOUS (mg/L)		
Location ID	Sample Date	Diesel Range Organic	Motor Oil Range Organic	Gasoline Range Organic	Perchlorate	Hardness	Total Dissolved Solids
GEO	09/03/2010	0.24 U	0.95 U	0.05 U	2 U	270	510
GEO	04/20/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	560
GEO	10/06/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	520
GEO	04/06/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	570
MFA	09/24/2010	0.25 U	1 U	0.05 U	2 U	440	900
MFA	04/12/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	640
MFA	10/03/2011	0.036 J	0.3 U	0.05 UJ	NA	NA	930
MFA	04/05/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	NA
NRLF	09/16/2010	0.12 ZJ	1 U	0.041 ZJ	2 U	230	400
NRLF	04/20/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	560
NRLF	10/06/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	420
NRLF	04/09/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	430
OBS6	09/30/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	360
PZ11	10/01/2010	0.25 U	1 U	0.31 ZJ	2 U	1400	2500
PZ11	04/20/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	2930
PZ11	10/10/2011	0.05 U	0.3 U	0.21 YZJ	NA	NA	3090
PZ11	04/05/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	NA
PZ8	10/15/2010	0.25 U	1 U	0.05 U	2 UJ	270	510
PZ8	04/18/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	480
PZ8	10/04/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	540
PZ8	04/03/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	560
PZ9	09/24/2010	0.25 U	1 U	0.05 U	2 U	240	400
PZ9	04/20/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	370
PZ9	10/07/2011	0.05 U	0.13 J	0.05 UJ	NA	NA	340
PZ9	10/07/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	330
PZ9	04/06/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	450

ATTACHMENT 2: COMPLETE ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

2014 Groundwater Sampling Results, Technical Memorandum

University of California, Berkeley, Richmond Field Station Site, Richmond, California

		TPH (mg/L)			MISCELLANEOUS (mg/L)		
Location ID	Sample Date	Diesel Range Organic	Motor Oil Range Organic	Gasoline Range Organic	Perchlorate	Hardness	Total Dissolved Solids
RWF	09/15/2010	0.24 U	0.95 U	0.05 U	2 U	430	720
RWF	04/18/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	780
RWF	10/06/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	760
RWF	04/04/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	720
TP1	09/29/2010	0.24 U	0.95 U	0.05 U	2 U	410	720
TP1	04/18/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	1770
TP1	10/07/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	750
TP1	04/05/2012	0.013 J	0.3 U	0.05 UJ	NA	NA	NA
TP2	09/29/2010	0.25 U	1 U	0.05 U	2 U	510	830
TP2	04/18/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	810
TP2	10/07/2011	0.031 J	0.3 U	0.05 UJ	NA	NA	800
TP2	04/09/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	820
TP2	04/09/2012	0.05 U	0.3 U	0.05 UJ	NA	NA	790
WTA	09/30/2010	0.25 U	1 U	0.05 U	2 U	550	1000
WTA	04/14/2011	0.05 UJ	0.3 U	0.05 U	NA	NA	1020
WTA	04/14/2011	0.05 UJ	0.3 U	0.05 UJ	NA	NA	1010
WTA	10/05/2011	0.05 U	0.3 U	0.05 UJ	NA	NA	1050
WTA	04/05/2012	0.0099 J	0.3 U	0.05 UJ	NA	NA	NA

Notes:

BHC	Hexachlorocyclohexane	METAL	Total (unfiltered) metal	TPH	Total Petroleum Hydrocarbons
DDD	Dichlorodiphenyldichloroethane	mg/L	Milligrams per liter	U	Nondetect
DDE	Dichlorodiphenyldichloroethene	NA	Not analyzed	VOC	Volatile Organic Compounds
DDT	Dichlorodiphenyltrichloroethane	PAH	Polycyclic aromatic hydrocarbon	Z	Chromatographic pattern does not resemble TPH fuel pattern (individual peaks)
DMETAL	Dissolved (filtered) metal	PCB	Polychlorinated biphenyl	ug/L	Micrograms per liter
J	Estimated value	SVOC	Semivolatile Organic Compounds		