Virgilio Cocianni
Remediation Manager

Schlumberger Technology Corporation
100 Gillingham Lane
Sugar Land, Texas 77478
Tel: 281-285-4747
Fax: 281-285-7656

November 10, 2015

Max Shahbazian, P.G.
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Re: 2015 Annual Status Report
Former Fairchild Semiconductor Corporation Facility
101 Bernal Road, San Jose, California
Order No. 95-084

Dear Mr. Shahbazian:

Enclosed is a copy of the above referenced report, prepared by Weiss Associates, for the former Fairchild Semiconductor Corporation (Fairchild) Facility located at 101 Bernal Road in San Jose, California. This report is submitted in accordance with Site Cleanup Requirements Order No. 95-084, adopted on April 19, 1995, and the Revised Self-Monitoring and Reporting Program, dated July 26, 2007.

If you have any comments or questions, please contact Mr. Tom Fojut at (510) 450-6143 or me at (281) 285-4747.

Sincerely,

Virgilio (Vic) Cocianni
Remediation Manager

Enclosure: 2015 Annual Status Report

cc: Barbara Cook, Department of Toxic Substances Control
George Cook, Santa Clara Valley Water District
Napp Fukuda, City of San Jose, Environmental Programs Department
Eric Lacy, California Department of Public Health
Diane Longoria, Dr. Martin Lurther King Jr. Public Library
Melanie Morash, U.S. Environmental Protection Agency
Cindy Moody, Pedron Enterprises
John Roeder, Great Oaks Water Company
Weiss Associates, File Copy

Weiss Associates Environmental Science, Engineering, and Management
453 Ravendale Drive, Suite C, Mountain View, CA 94043 Fax: 650-968-7034 Phone: 650-968-7000

2015 ANNUAL STATUS REPORT

for

Former Fairchild Facility
101 Bernal Road
San Jose, California

prepared for

Schlumberger Technology Corporation
100 Gillingham Lane
Sugar Land, TX 77478

November 10, 2015

Weiss Associates *Environmental Science, Engineering, and Management*
453 Ravendale Drive, Suite C, Mountain View, CA 94043 Fax: 650-968-7034 Phone: **650-968-7000**

2015 ANNUAL STATUS REPORT

for

Former Fairchild Facility
101 Bernal Road
San Jose, California

prepared by

Weiss Associates
453 Ravendale Drive, Suite C
Mountain View, CA 94043

Weiss Project No. 363-2015-08

submitted to

Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Weiss Associates' work for Schlumberger Technology Corporation at the former Fairchild Semiconductor Facility located at 101 Bernal Road in San Jose, California, was conducted under my supervision. To the best of my knowledge, the data contained herein are true and accurate, are based on what can be reasonably understood as a result of this project, and satisfy the scope of work prescribed by the client for this project. The data, findings, recommendations, specifications, or professional opinions were prepared solely for the use of Schlumberger Technology Corporation in accordance with generally accepted professional engineering and geologic practice. We make no other warranty, either expressed or implied, and are not responsible for the interpretation by others of the contents herein.

November 10, 2015

Thomas Fojut, PE, PG, CHG — Date
Principal Engineer

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ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	chemical of concern
Fairchild	Fairchild Semiconductor Corporation
FFS	Focused Feasibility Study
Freon 113	1,1,2-trichloro-1,2,2-trifluoroethane
GWETS	groundwater extraction and treatment system
HI	hazard index
IPA	isopropanol
MCL	maximum contaminant level
µg/L	micrograms per liter
Order	Site Cleanup Requirements Order No. 89-16, as amended by Order No. 95-084
PCE	tetrachloroethene (perchloroethene)
QA/QC	quality assurance/quality control
ROD	Record of Decision
RPD	relative percent difference
SCVWD	Santa Clara Valley Water District
site	property at 101 Bernal Road, San Jose, California
STC	Schlumberger Technology Corporation
TA	TestAmerica Laboratories, Inc.
USEPA	United States Environmental Protection Agency
Water Board	Regional Water Quality Control Board, San Francisco Bay Region
Weiss	Weiss Associates
VOA	volatile organic analysis
VOC	volatile organic compound
1,1-DCE	1,1-dichloroethene
1,1,1-TCA	1,1,1-trichloroethane

1. INTRODUCTION

This *2015 Annual Status Report* was prepared by Weiss Associates (Weiss) for Schlumberger Technology Corporation (STC) for the former Fairchild Semiconductor Corporation (Fairchild) facility located at 101 Bernal Road in San Jose, California (the site; Figure 1). The site is listed on the National Priority List under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA; 42 U.S.C. Section 9601 *et. seq*.) and is primarily regulated by the Regional Water Quality Control Board, San Francisco Bay Region (Water Board), with support from the United States Environmental Protection Agency (USEPA). The report summarizes site activities and data for the reporting period through October 2015. It is submitted in accordance with Provision C.6 of site Cleanup Requirements Order No. 89-16, as amended by Order No. 95-084 (the Order), which was adopted by the Water Board in 1995 (Water Board, 1989; Water Board, 1995). The groundwater monitoring program was further amended in the Revised Self-Monitoring Program, which was issued in 2007 (Water Board, 2007).

1.1 Background

The site is a 22-acre parcel in a mixed use area of San Jose, California (Figure 1). A shopping center that includes a grocery market, restaurants, other retail businesses, and a surface parking lot currently occupies the site. Buildings in the immediate vicinity of the site consist of low-rise development containing offices, commercial businesses, and warehouses. Residential development exists east of Bernal Road. Some previous project reports have used the term “site” to refer to the 22-acre parcel and adjacent areas. For the purposes of this report, “site” and “on-site” refers only to the 22-acre parcel depicted on Figure 2. Adjacent areas are described in this report as “off-site.”

The site is located approximately 20 miles southeast of San Francisco Bay on the Santa Teresa Plain in the southern Santa Clara Valley. Streams that flowed from surrounding highlands deposited alluvium onto the valley floor as alluvial fans and outwash plains. Four water-bearing zones have been identified at the site.

From shallowest to deepest, these water-bearing units are designated as the A, B, C, and D Zones. The A Zone is a discontinuous water-bearing unit that is 10 to 40 feet thick and is underlain by the A-B aquitard. The aquitard ranges in thickness of up to 30 feet and consists of low permeability soil ranging from clay to clayey silt and interbedded sand lenses. The A Zone appears to merge with the B Zone near on-site well AE-1(B) and off-site well GO-4(M). The B Zone is comprised of sand and gravel from approximately 60 to as deep as 120 feet below ground surface (bgs). Beneath the B Zone is the B-C aquitard, which is a 40 to 60-foot thick, continuous unit of low permeability soil. Previous on-site pump testing demonstrated no hydraulic communication between the B and C Zones (Canonie, 1988). The C Zone is approximately 150 to 190 feet bgs and is a continuous unit of sand and gravel. The D Zone lies beneath the C Zone and consists of sand and gravel sub-units that are separated by silt and clay sub-units.

The site was primarily used for agriculture during the early 1900s. The transition from agricultural to industrial and commercial land use in the area occurred in the late 1960s and early 1970s. Fairchild purchased the site in 1975 and constructed a manufacturing plant for electronic devices. In April 1977, manufacturing processes began that involved etching, cleaning, coating, and inspecting of silicon wafers (Remediation Services, Inc., 1988). These operations required the on-site use, handling, repackaging, and storage of industrial solvents that included acetone, isopropanol (IPA), 1,1,1-trichloroethane (1,1,1-TCA), and 1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113). In 1979, STC acquired Fairchild and, as a result, also acquired the site.

A 1981 subsurface investigation at the site identified chlorinated solvents in soil and groundwater. The investigation concluded that the solvents had leaked from a 5,940-gallon underground storage tank (Canonie, 1988). In response to this investigation, STC removed the underground storage tank and installed over 100 groundwater monitoring wells in the A, B and C Zones on-site and off-site. Many of these wells were sampled regularly thereafter. STC commenced remediation in 1982, and the USEPA formalized the remedial approach in 1989 when it issued a Record of Decision (ROD) (USEPA, 1989). The ROD identified acetone, 1,1-dichloroethene (1,1-DCE), Freon 113, IPA, tetrachloroethene (perchloroethene; PCE), 1,1,1-TCA, and xylene as chemicals of concern (COCs). The remedial activities, including those that were not part of the selected remedy in the ROD, consisted of:

- An augured caisson removal of soil near and beneath the former tank in 1982. Approximately 3,400 cubic yards of impacted soil between 15 and 52 feet bgs were removed and disposed of at a Class I facility. It was estimated that 38,000 pounds of volatile organic compounds (VOCs) were removed;
- The sealing of municipal and agricultural supply wells downgradient (northwest) of the site that were screened across multiple water-bearing zones;
- Groundwater extraction in the A and B Zones on-site and the B and C Zones off-site between 1982 and 1998. The objective of the pumping was to remove VOCs from groundwater and to hydraulically control VOC migration. Extracted groundwater was treated with granular activated carbon and/or aeration before discharge under permit to the storm drain. Prior to construction of the on-site treatment system in 1983, groundwater extracted from well WCC-41(A) was pumped to tank trucks and disposed of at a Class I facility. The maximum combined extraction rate for the entire program peaked in 1984 at approximately 9,500 gallons per minute. Several pilot studies and variations in pumping methods occurred later, including cyclic pumping, pumping combined with soil flushing, pumping combined with soil vapor extraction, and reinjection of the treated groundwater. An estimated 95,000 pounds of VOCs were removed by groundwater extraction. The groundwater extraction and treatment system (GWETS) was shut down in 1998 with the approval of the Water Board;
- The installation of a soil-bentonite slurry cutoff wall inside the site perimeter in 1986 and 1987. The purpose of the wall is to prevent further migration of COCs from the site. It is approximately three feet thick and is keyed into the B-C aquitard, and thus varies in depth from 55 to 148 feet bgs; and
- Soil vapor extraction to remove VOCs from unsaturated soil in the vadose zone and adjacent to the A and B Zones. An estimated 12,774 pounds of VOCs were removed by soil vapor extraction.

The result of these remedial activities is that the extent of VOCs in groundwater above cleanup goals in the past 15 years has generally been limited to: 1) the A and B Zones inside the slurry wall, near and downgradient from the former underground storage tank; and 2) outside the slurry wall, at B Zone well RW-25(B). 1,4-dioxane, which the Water Board and USEPA recommended as a site COC (USEPA, 2014b), has been detected in samples from inside the slurry wall and one sample from well 128(B), located outside of the slurry wall.

In each of the four five-year reviews since the GWETS was shutdown in 1998, the Water Board and USEPA have concluded that the site has remained protective of human health and the environment (USEPA, 1999; USEPA, 2004; USEPA/Water Board, 2009; USEPA, 2014b). Since 1995, STC performed three vapor intrusion evaluations to assess if post-remediation, residual concentrations of VOCs present a potential risk to on-site and off-site buildings. The 1995 evaluation concluded that VOCs in soil and groundwater posed no significant vapor intrusion risk to future residential and commercial buildings (Smith Environmental Technologies Corporation, 1995). In the 2009 and 2014 five-year reviews, the Water Board and USEPA concurred with the conclusions in evaluations completed by STC that there was no significant risk of vapor intrusion into buildings from groundwater (Weiss, 2008; Weiss, 2014a). In September 2015, the Water Board requested that STC respond to a USEPA memorandum regarding additional vapor intrusion scenarios (Water Board, 2015; USEPA, 2014a). Weiss will submit a response to the USEPA memorandum under separate cover shortly.

In response to a 2010 letter from the Water Board (Water Board, 2010), a *Draft Groundwater Focused Feasibility Study* (FFS) (Weiss, 2011) was submitted to the Water Board and USEPA for review in 2011. Formal comments from the agencies regarding the Draft FFS were received in September 2015. Weiss will provide responses to the comments in a separate letter.

1.2 Activities This Reporting Period

The following activities were conducted on behalf of STC over the 2014-2015 reporting period.

- In November 2014, Weiss submitted the 2014 Annual Status Report, which reported site activities and monitoring results for the previous reporting period (Weiss, 2014b).
- Weiss coordinated the abandonment of 20 monitoring and former extraction wells and transferred ownership of 2 other off-site wells. Details of the abandonments are presented in Section 2.
- Wells 116(B) and 126(B) were sampled quarterly as recommended in the 2014 Annual Status Report.
- In August and September 2015, Weiss performed the annual groundwater sampling as required by the Revised Self-Monitoring Plan (Water Board, 2007). The groundwater monitoring methods and results are presented in Sections 3 and 4, respectively.

2. WELL ABANDONMENTS

In September 2014, the Water Board and USEPA approved the abandonment of 22 monitoring and former groundwater extraction wells (Water Board, 2014; USEPA, 2014d). Most of the wells identified for abandonment were located off-site. Monitoring data over the past 10 to 20 years indicate that the cleanup goal has been achieved for most off-site groundwater. Thus, these wells are no longer necessary for monitoring or remediation. The abandoned wells also included six on-site wells that were no longer useful in monitoring the VOCs in groundwater beneath the site. Figure 2 shows the locations of the abandoned wells, and Table 1 presents details of each abandonment.

After receiving approval for the abandonments, Weiss obtained Well Destruction Permits from the Santa Clara Valley Water District (SCVWD). Weiss also coordinated with three private property owners and secured encroachment permits from the San Jose Department of Public Works; San Jose Department of Parks, Recreation, and Neighborhood Services; and the Santa Clara Valley Transportation Authority. Weiss notified Underground Service Alert North in advance of the abandonments.

The abandonments were completed by Cascade Drilling, LP (California License No. C57-938110) of Richmond, California and Maggiora Brothers Drilling, Inc. (California License No. C57-249957) of Watsonville, California. The wells were pressure-grouted or over-drilled. The casings of some of the pressure-grouted wells were perforated using a Mills knife at specified intervals prior to grouting as approved by the SCVWD. Pressure-grouted wells were backfilled with cement from the bottom of the well to ground surface using a tremie pipe. Over-drilling consisted of advancing augers that were of equal or larger diameter than the original boring to the total depth of the original boring. The over-drilled borings were backfilled with cement grout to ground surface using a tremie pipe. Above ground and near surface well features were removed after the abandonments. Each abandonment was performed under the oversight of a SCVWD inspector. Weiss completed a State of California Department of Water Resources Form 188, Well Completion Report for each well abandoned and submitted these forms to the SCVWD. Copies of these reports are included in Appendix C.

Two of the wells proposed for abandonment were not destroyed. Well 133(B), located in Miyuki Dog Park, was transferred to the SCVWD. The SCVWD intends to incorporate the well into its groundwater basin monitoring program. Well RW-19(B) was transferred to the owner of the property where the well is located. The owner, Equinix, Inc., intends to use the well as a source of backup cooling water for a proposed data center on the property. Both well transfers were formalized by written agreements, and the SCVWD and has been notified of the change of well ownership.

Soil cuttings and removed well debris from the overdrilling were stored temporarily in soil bins and chemically characterized for disposal. A total of approximately 10 cubic yards of soil and debris were transported as non-hazardous waste to Altamont Landfill in Livermore, California. Wastewater from equipment cleaning and groundwater that was displaced during grouting was contained in a holding tank. Chemical characterization results for the water are pending. After receiving the results, Weiss will arrange disposal of the water at an appropriately-permitted off-site facility.

3. MONITORING METHODS

Groundwater monitoring this reporting period consisted of quarterly sampling of wells 116(B) and 126(B) and annual sampling of wells across the site. The quarterly sampling was conducted to assess how the water levels in these wells may have affected VOC concentrations throughout the 2014-2015 reporting period as recommended in the 2014 Annual Status Report (Weiss, 2014b). The annual sampling was conducted as required by the Revised Self-Monitoring Program (Water Board, 2007). The monitoring methods are described below.

3.1 Groundwater Depth Measurements

Depth to groundwater was measured in wells 116(B) and 126(B) quarterly and in 20 wells on September 8, 2015 (Figure 3). A water level was not measured in GO-04M because a pump, discharge hose, and electrical wiring in the well impede inserting a water level probe. Well 126(B) was dry in June and September 2015. Wells WCC-41(A) and RW-23(A) were also dry in September. The water level in well WCC-02(B) could not be measured due to an obstruction in the well casing.

Water levels were measured in the wells using an electric sounder. Between measurements, the sounder was decontaminated using non-phosphorus soap and distilled water. Before each measurement, the cap was removed from the well to allow the water level to equilibrate with atmospheric pressure. The depth to water was measured to the nearest 0.01-foot and referenced to a surveyed point at the top of the well casing. Afterwards, the well cap was replaced, and the vault lid was closed and secured.

Table 2 presents groundwater elevation data from September 2011 through September 2015.

3.2 Sample Collection

During the annual sampling, groundwater samples were collected from 16 monitoring wells and former production well GO-04(M). Wells 126(B), WCC-41(A), and RW-23(A) were dry and therefore not sampled. Well WCC-02(B) was not sampled due to an obstruction in the well casing. Well 126(B) was also dry during the quarterly sampling in June 2015. The other wells were sampled using the following techniques:

- The quarterly samples from wells 116(B) and 126(B) between December 2014 and June 2015 were collected using a bladder pump and a low-flow purging technique (USEPA, 1995). The pump was decontaminated using non-phosphorous soap and distilled water prior to lowering it into each well. The pump was lowered to the midpoint depth between the water level and the bottom of the well screen. The pump lifted water from the well at an approximate rate of 100 milliliters per minute through dedicated polyethylene tubing. The pH, temperature and electrical conductivity of the pumped water were measured using a field meter approximately every 2 to 3 minutes. After the pH and electrical conductivity stabilized to within acceptable levels, the sample was collected.

- Wells were sampled during the annual event using HydraSleeves. The HydraSleeves were deployed on September 3, 2015 and retrieved on September 8 and 9, 2015 following the manufacturer's standard operating procedures (GeoInsight, 2010). The HydraSleeves were hung at depths within the screened intervals. The groundwater elevation at well RW-25(B) was too low for HydraSleeve deployment. Thus, this well was sampled by the low-flow method described above.
- The annual sample from well GO-04(M), a currently inactive supply well located approximately 5,000 feet northwest of the site, was collected on August 26, 2015. Prior to collecting the sample from a dedicated port, the well pump was activated for 30 minutes at a flow rate of approximately 1,500 gallons per minute.

Samples were contained into 40-milliliter volatile organic analysis (VOA) vials, preserved with hydrochloric acid, for VOC analysis and 1-liter amber glass bottles for 1,4-dioxane analysis. Groundwater sampling field sheets are presented in Appendix D.

Field quality assurance and quality control (QA/QC) samples were collected. One equipment blank of the bladder pump was collected after it was used and decontaminated to assess the effectiveness of the decontamination. One field blank of a clean HydraSleeve bag was collected to confirm that the HydraSleeve material contained no COCs, and one field blank was collected to confirm that distilled water used for decontamination contained no COCs. Field duplicates were collected to assess the reproducibility of the analytical data generated by this sampling event. The results of the QA/QC samples are presented in Appendix A.

After sample collection, a Weiss technician labeled the sample containers and placed them in iced coolers. The samples were transported under chain-of-custody to TestAmerica in Pleasanton, California. A travel blank accompanied each sample shipment to the laboratory. The chain-of-custody forms are included in Appendix A.

3.3 Laboratory Analysis

A total of 31 samples, including nine QA/QC samples, were submitted to TestAmerica this reporting period. TestAmerica is certified by the California Department of Public Health, Environmental Laboratory Accreditation Program for the subject laboratory analyses. Samples from all wells were analyzed for VOCs by USEPA Method 8260B. Select samples were also analyzed for 1,4-dioxane by USEPA Method 8270C.

Weiss verified the laboratory data quality after receiving the analytical report. The laboratory data satisfied quality specifications, and thus, the data are usable for their intended purpose. The results of the data verification and the laboratory analytical reports are presented in Appendix A.

3.4 Disposal of Investigation-Derived Waste

Well purge water from low-flow sampling was temporarily stored in a 55-gallon drum. The water from the drum was combined with the wastewater generated during the well abandonments (Section 2). The chemical characterization results and acceptance at an off-site disposal facility are pending.

4. MONITORING RESULTS

The results of the groundwater depth measurements and well sampling are presented in this section.

4.1 Groundwater Elevations

In September 2015, the monitored A Zone wells, which are screened to approximately 55 feet bgs, were dry. Groundwater elevations in the B Zone decreased by as much as 12 feet bgs from September 2014 to September 2015 inside and outside of the slurry wall. Water levels in the B Zone wells ranged between 70 and 79 feet bgs (Table 2). Generally, the 2015 groundwater elevations are the lowest measured on-site since 1991, and water levels have been consistently declining for the past four years.

Based on the depth measurements, off-site groundwater flow in the B Zone is towards the west and northwest, consistent with regional flow patterns (USGS, 2004) as well as historical observations (Figure 3). Groundwater elevations for wells inside the slurry wall have not been contoured since at least the 1990s because the data consistently indicate that there is not a discernible flow direction inside the wall. Hydrographs for slurry wall well pairs are presented on Figures 4, 5, and 6.

4.2 Analytical Results

Groundwater samples for VOCs were collected from nine wells inside the slurry wall and eight wells outside the slurry wall for the annual sampling. Samples from one well inside and one well outside the slurry wall were analyzed for 1,4-dioxane. Analytical results are presented in Table 3. The 1,1-DCE concentrations for B Zone wells are presented on Figure 7.

The data discussed in this section are compared to the cleanup goals for COCs that are established in the ROD (USEPA, 1989). These COCs include acetone, 1,1-DCE, Freon 113, IPA, PCE, 1,1,1-TCA, and xylene. The ROD stipulates that goals for groundwater inside the slurry wall are California action levels or maximum contaminant levels (MCLs) for drinking water (Table 3). Outside the slurry wall, the cleanup goal is not action levels or MCLs, but a maximum hazard index (HI) of 0.25 based on 1,1,1-TCA and 1,1-DCE concentrations. 1,4-dioxane has been proposed to be added as a site COC (USEPA, 2014a).

4.2.1 Inside the Slurry Wall

This reporting period, no COCs exceeded cleanup goals for groundwater inside the slurry wall except for 1,1-DCE in source area wells AE-1(B) and AE-2(B) (Figure 7; Table 3). These samples contained 520 micrograms per liter (µg/L) and 300 µg/L 1,1-DCE, respectively. As shown on Figures 8 and 9, these concentrations are lower than 2014 concentrations and generally are the same or lower than results for the past ten years.

COC concentrations in samples from the other wells were all below cleanup goals and are generally within historical ranges (Figures 8 through 10). COC concentrations declined between 2014 and 2015 in wells 131(B), 145(B), 146(B), and WCC-01(B). As in past years, no COCs were detected above reporting limits in wells 119(B) and 122(B).

1,4-dioxane concentrations in source area well AE-1(B) decreased between 2014 and 2015. The 1,4-dioxane concentrations were estimated at 39 µg/L (primary sample) and 48 µg/L (duplicate sample) in 2014, and 7.2 µg/L (primary sample) and 6.2 µg/L (duplicate sample) in 2015. Samples for 1,4-dioxane analysis have previously been collected from source area well WCC-41(A), but this well has been dry during past two sampling events.

As recommended in the 2014 Annual Status Report, well 116(B) was sampled quarterly this reporting period. The purpose of the quarterly sampling was to assess if VOC concentration increases in this area of the site may be related to low water levels. In 2014, 1,1,1-TCA and 1,1-DCE concentrations had increased in well 126(B), which is located across the slurry wall from well 116(B) (Figure 14). The quarterly sampling results this reporting period showed that VOC concentrations also increased in well 116(B). The highest 1,1,1-TCA and 1,1-DCE concentrations detected in well 116(B) between September 2011 and September 2014 were 22 µg/L and 4.2 µg/L, respectively. The highest concentrations during the quarterly sampling this reporting period were 36 µg/L and 6.0 µg/L, respectively. As presented in Section 5, the concentration increases in both wells appears related to lower water levels.

4.2.2 Outside the Slurry Wall

Only two out of a total of nine wells outside of the slurry wall exceeded the cleanup goal for groundwater outside of the slurry wall. The cleanup goal is a HI of 0.25 based on 1,1,1-TCA and 1,1-DCE concentrations (USEPA, 1989). The specified method for calculating the HI is to divide the chemical concentration by the MCL for that chemical and to sum the quotients by well. The analytical data are presented in Table 3 and HI calculations are summarized in Table 4. Figures 11 through 13 and 15 show the trends of 1,1,1-TCA and 1,1-DCE concentrations over time for selected wells.

No VOCs were detected above reporting limits in wells 120(B), 128(B), 129(B), and WCC-42(B), located on-site but outside of the slurry wall, or inactive supply well GO-04(M), located approximately one mile west-northwest of the site (Figure 2). Well 128(B) was also sampled for 1,4-dioxane. None was detected above the reporting limit.

The sample from well RW-25(B) contained 9.8 µg/L 1,1,1-TCA and 10 µg/L 1,1-DCE. These concentrations, which calculate to a HI of 1.7, are consistent with historical results for this well. The Mann-Kendall statistical analysis presented in Appendix B shows that 1,1-DCE concentrations in this well in September or October have followed a decreasing trend since 2006.

Two samples were collected this reporting period from well 126(B). The December 2014 sample contained 2.8 µg/L 1,1,1-TCA and 2.0 µg/L 1,1-DCE, and the March 2015 sample contained 40 µg/L 1,1,1-TCA and 18 µg/L 1,1-DCE. The well was not sampled again because the well was dry in June and September 2015. The average HI for this well for this reporting period is 1.8. These results are similar to the 2014 annual sampling results and appear to correlate with lower water levels as discussed in Section 5.

As specified in the Order (Water Board, 1995), Weiss calculated the relative percent difference (RPD) between the 2014 and 2015 annual average for 1,1,1-TCA and 1,1-DCE for each well outside of the slurry wall (Table 4). If the RPD for a COC in a well is at or above +50%, the Order requires verbal notification to the Water Board. On September 21, 2015, Weiss notified the Water Board of the increase in the 1,1,1-TCA concentration in well 75(B) (Personal communication, 2015). The concentration increased from less than the reporting limit of 0.5 µg/L in 2014 to 3.0 µg/L in 2015. Despite the increase, the 2015 concentrations represent a HI that is below the cleanup goal of 0.25. No RPDs for the other wells exceeded 50%.

5. CONCLUSIONS AND RECOMMENDATIONS

Activities for this reporting period consisted of abandoning wells, gauging water levels, and collecting groundwater samples. Weiss's conclusions and recommendations are presented below.

5.1 Well Abandonments

Based on the approval from the USEPA and the Water Board to abandon 22 monitoring and former extraction wells, Weiss secured well destruction permits and retained two licensed drilling contractors to destroy the wells. Twenty wells were abandoned under the supervision of a Weiss geologist and SCVWD inspector. The other two wells were transferred in lieu of abandonment. Well RW-19(B) was transferred to Equinix, Inc., the owner of the property at the well locations, and well 133(B) was transferred to the SCVWD.

5.2 Groundwater Elevations

Groundwater elevations in the gauged wells were as much as 12 feet lower in September 2015 than in September 2014. The A Zones wells were dry, and, generally, the 2015 water depths for the B Zone are the lowest measured since 1991. Based on the elevations shown on Figure 3, B Zone groundwater outside of the slurry wall flowed northwestward in September 2015. This direction and the gradient are consistent with previous results.

5.3 Analytical Results

The results of the 2015 well sampling indicate the following:

- No acetone, Freon 113, IPA, 1,1,1-TCA, PCE or xylene was detected in groundwater inside the slurry wall above cleanup goals. The concentrations of these COCs have declined significantly in groundwater over the past 30 years.
- 1,1-DCE was detected in only two wells, AE-1(B) and AE-2(B), above the cleanup goal for groundwater inside the slurry wall. These concentrations are lower than in 2014 and are consistent with results from previous years.
- The AE-1(B) sample contained 1,4-dioxane at concentrations of 7.2 µg/L (primary sample) and 6.2 µg/L (field duplicate), which are lower than estimated concentrations detected in 2014. No 1,4-dioxane was detected in well 128(B), located outside of the slurry wall.
- The results for off-site well RW-25(B) are consistent with previous results. The HI for this well was above 0.25, the cleanup goal for groundwater outside of the slurry wall. However, the Mann-Kendall statistical analysis presented in Appendix B indicates that 1,1-DCE concentrations collected in September or October between 2006 and 2015 represent a declining trend.

The quarterly monitoring results for wells 116(B) and 126(B) support the conclusion in the 2014 Annual Status Report that the higher VOC concentrations in late 2014 and 2015 than in previous years is related to the lower water levels in these wells. As shown on Figure 15, VOC concentrations have been higher in well 126(B) when the groundwater elevation has been at or below approximately 145 feet above mean sea level. This is the approximate elevation of a contact between two units: an upper sand and gravel, and a lower clayey silt (Figure 16). As discussed in the site conceptual model in the Draft FFS (Weiss, 2011), VOCs likely remain sorbed to fine grained units of low permeability within and at the bottom of the B Zone downgradient of the slurry wall. When water levels are at or below 145 feet above mean sea level, the highly transmissive portion of the upper B Zone above this elevation is dry. Thus, during periods of low groundwater elevations, water that flows through the well is primarily groundwater that is in contact with the low permeability units that contain residual VOCs. As a result, 1,1,1-TCA has been detected during periods of low water levels: up to 13 µg/L between 1986 and 1990, 3.3 µg/L in 1991, 30 µg/L in 2014, and 40 µg/L when the well was last sampled in March 2015 (Figure 15). The sampling results from September 2014 through March 2015 support this pattern, with concentrations continuing to increase as the water level decreased through this low permeability layer.

An increase in the concentration of 1,1,1-TCA occurred in well 116(B) between September and December 2014. Similar to well 126(B), the increase occurred when the water level in the well dropped below 145 feet above mean sea level (Table 2). The groundwater elevation continued to decline through 2015, and the 1,1,1-TCA and 1,1-DCE concentrations remained elevated in samples collected during subsequent quarters.

Further quarterly sampling is unnecessary to confirm this correlation. Thus, Weiss recommends returning to an annual monitoring frequency for these wells. Unless STC is directed otherwise, Weiss will resume annual sampling of these two wells in the upcoming reporting period. The next sampling will be in September 2016.

5.4 Activities Planned for Next Period

Activities planned for the 2015-2016 reporting period include:

- Annual groundwater sampling in accordance with the Self-Monitoring Program.
- Finalizing the FFS and associated public notice. Weiss will submit responses to comments provided in September 2015 by the Water Board.
- Responding to a September 2015 request from the Water Board to address USEPA comments about the vapor intrusion evaluation submitted as part of STC's Five Year-Review Report in January 2014.

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FIGURES

Figure 1. Site Location — 101 Bernal Road, San Jose, California

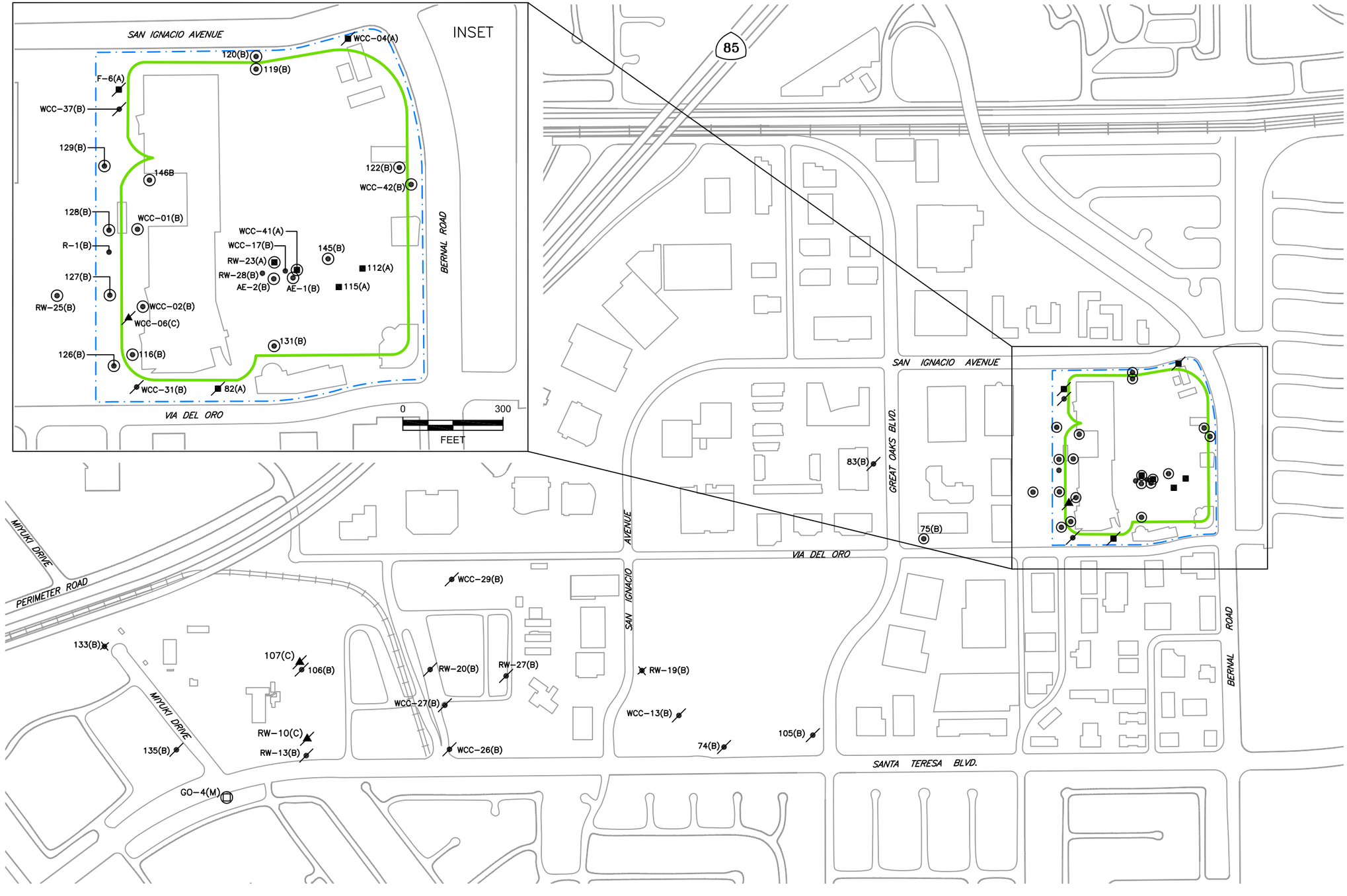


Figure 2. Site and Monitoring Well Locations — 101 Bernal Road, San Jose, California

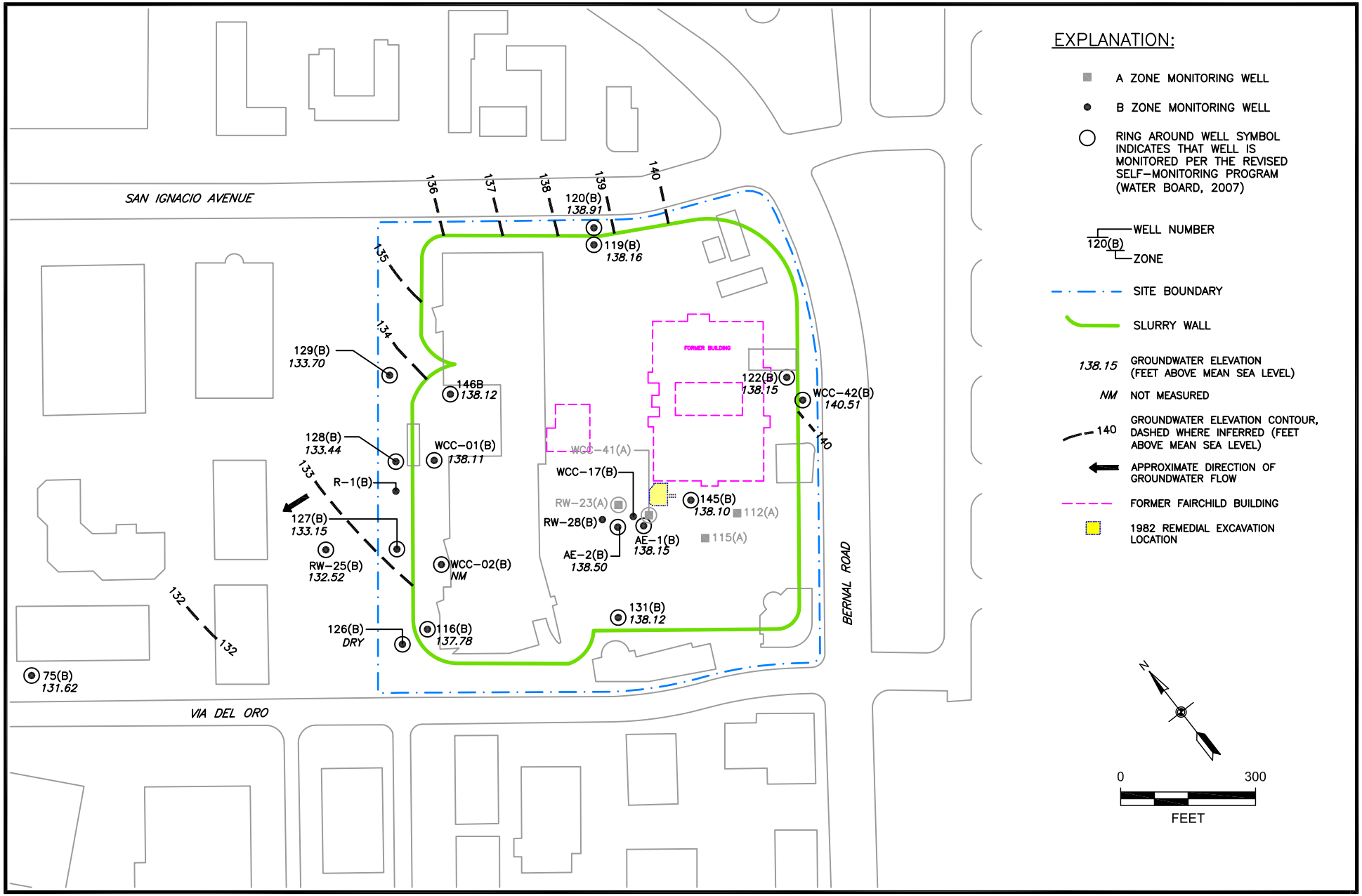
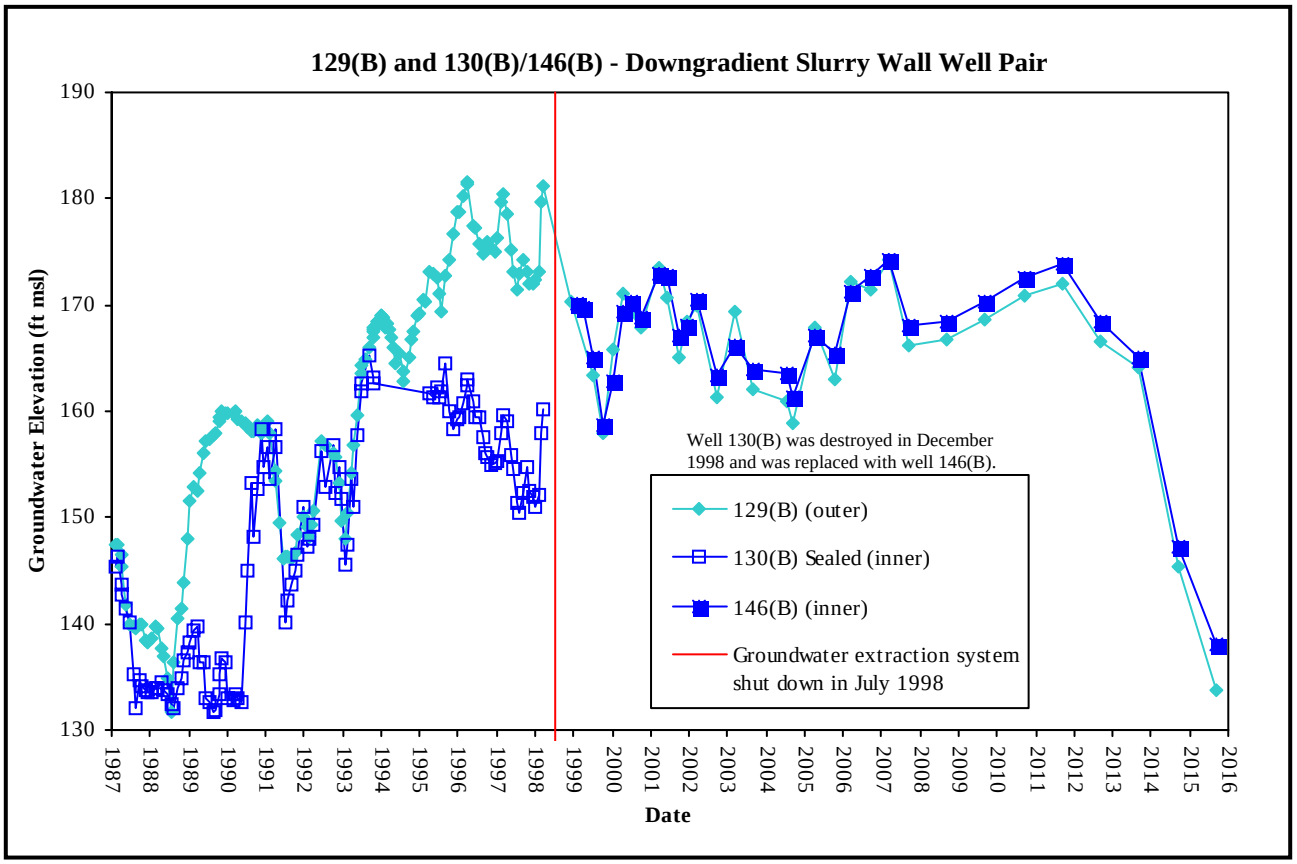


Figure 3. Groundwater Elevation Contours for B Zone - September 8, 2015 - 101 Bernal Road, San Jose, California



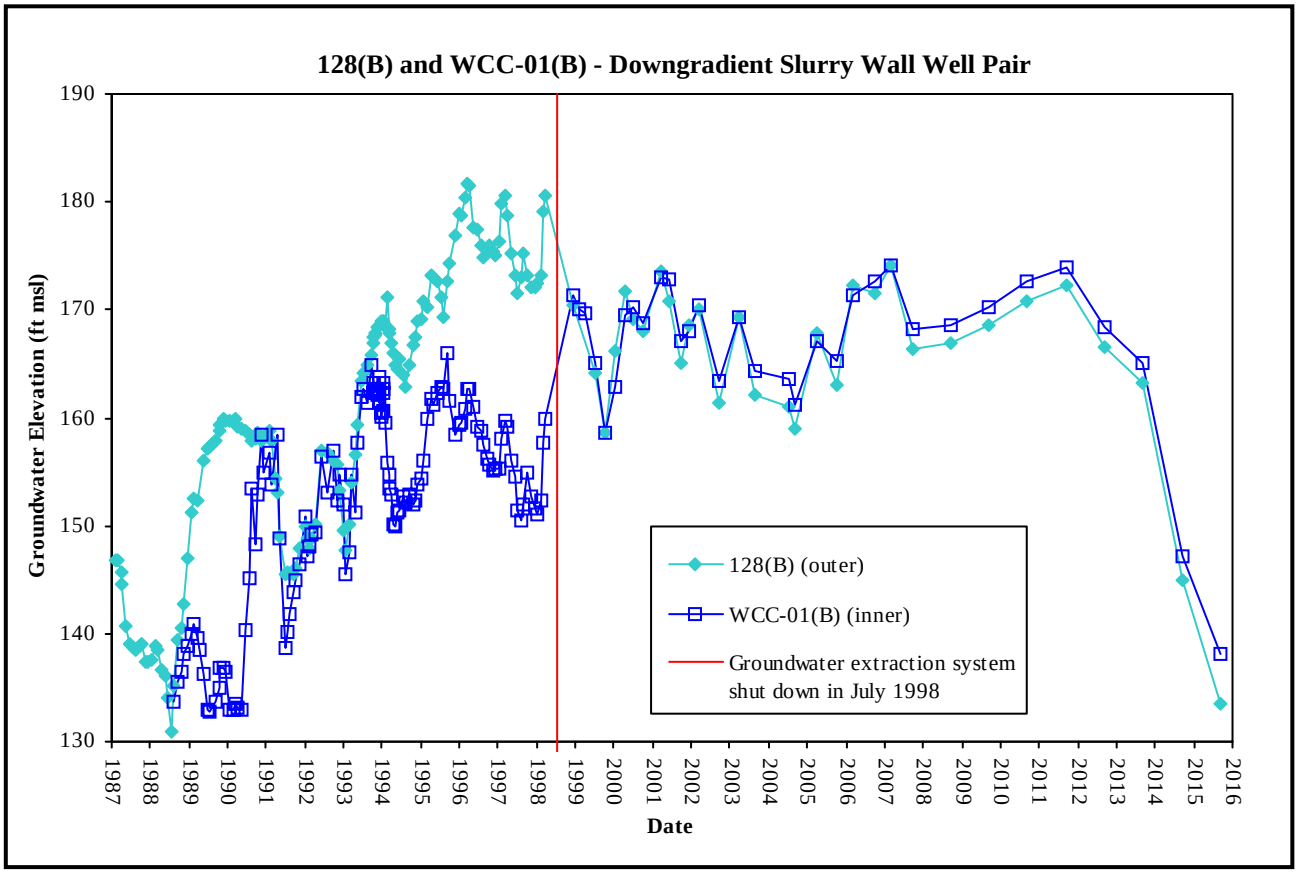
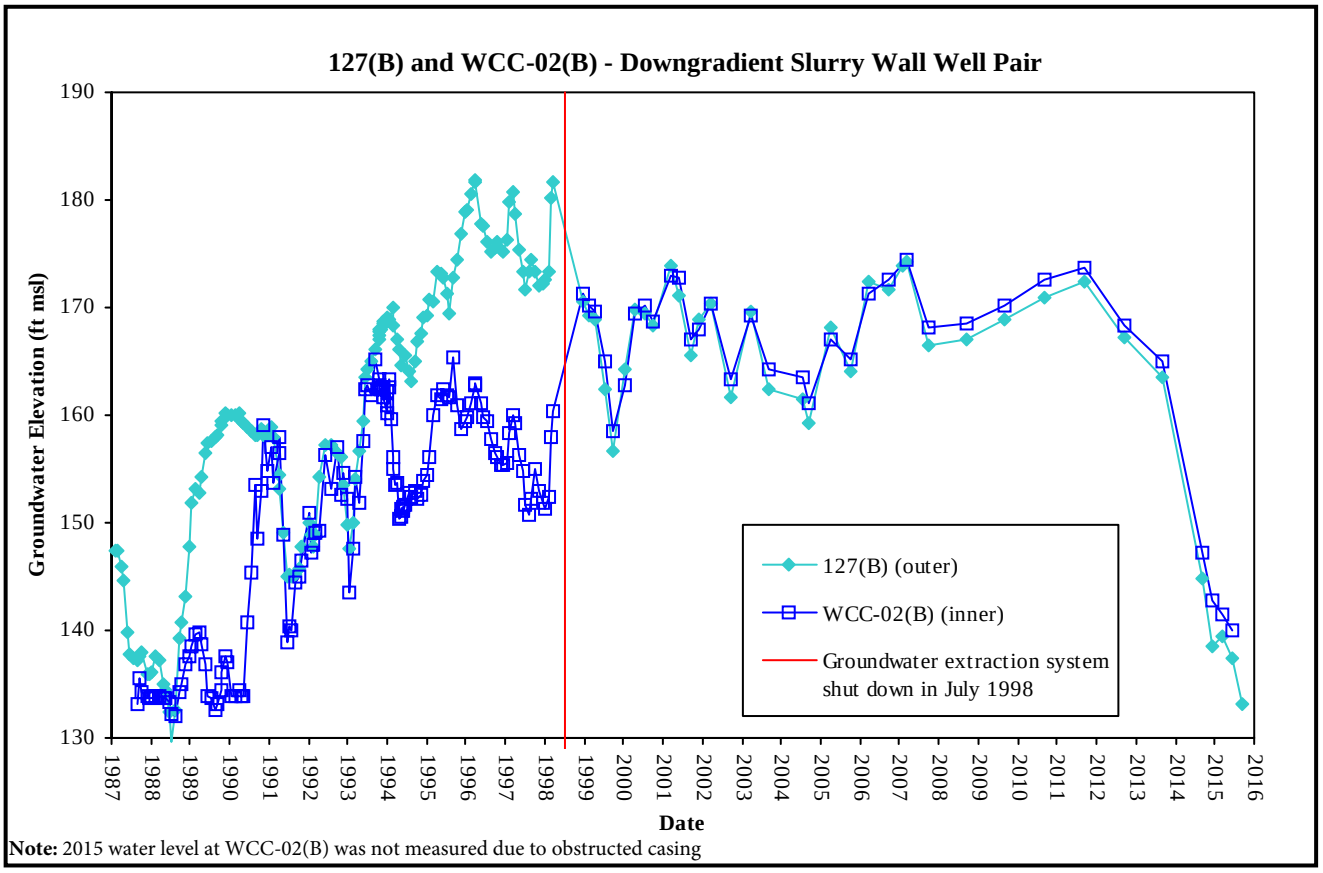
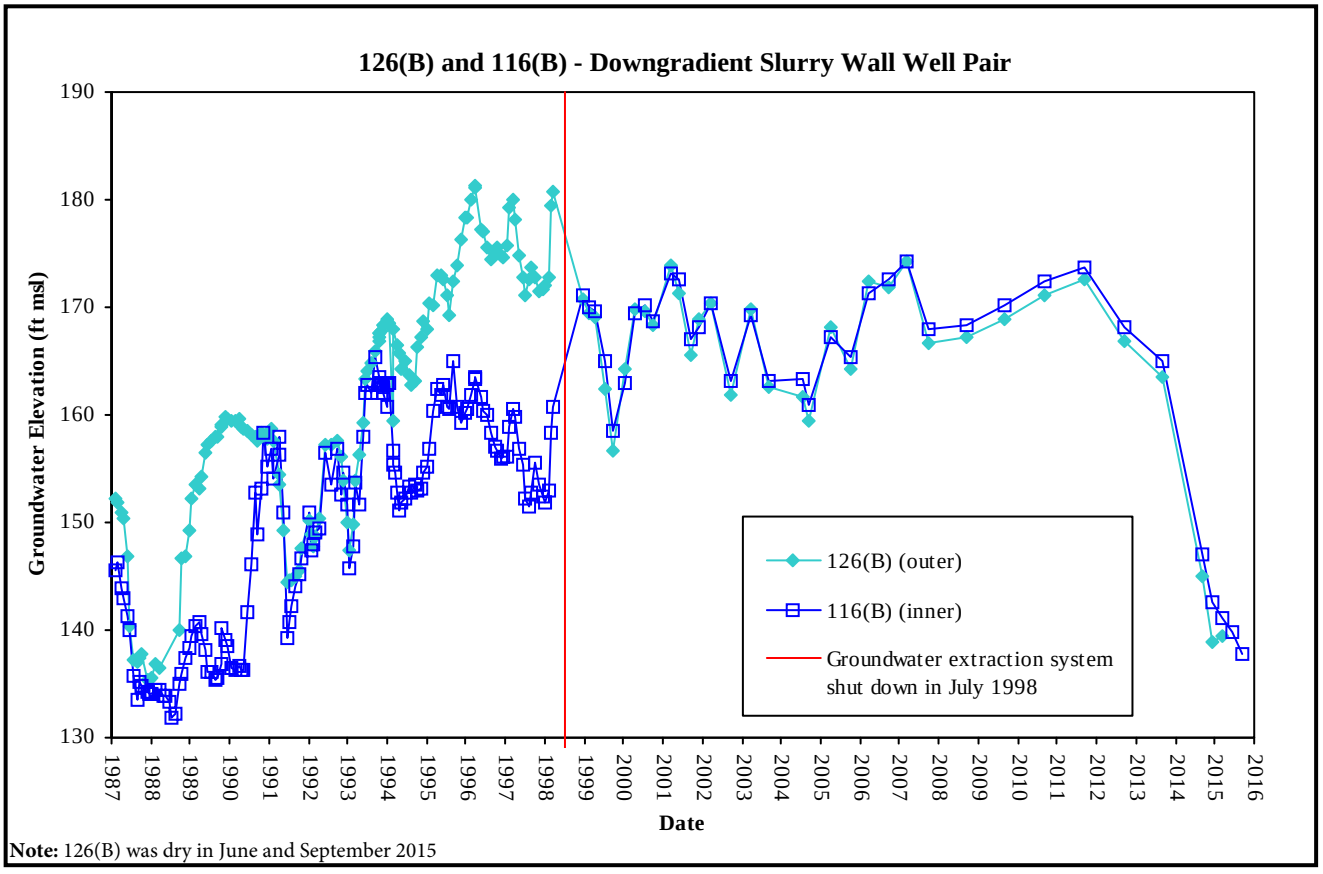


Figure 4. Hydrograph for Wells 129(B) and 130(B)/146(B) and Wells 128(B) and WCC-01(B), 101 Bernal Road, San Jose, California

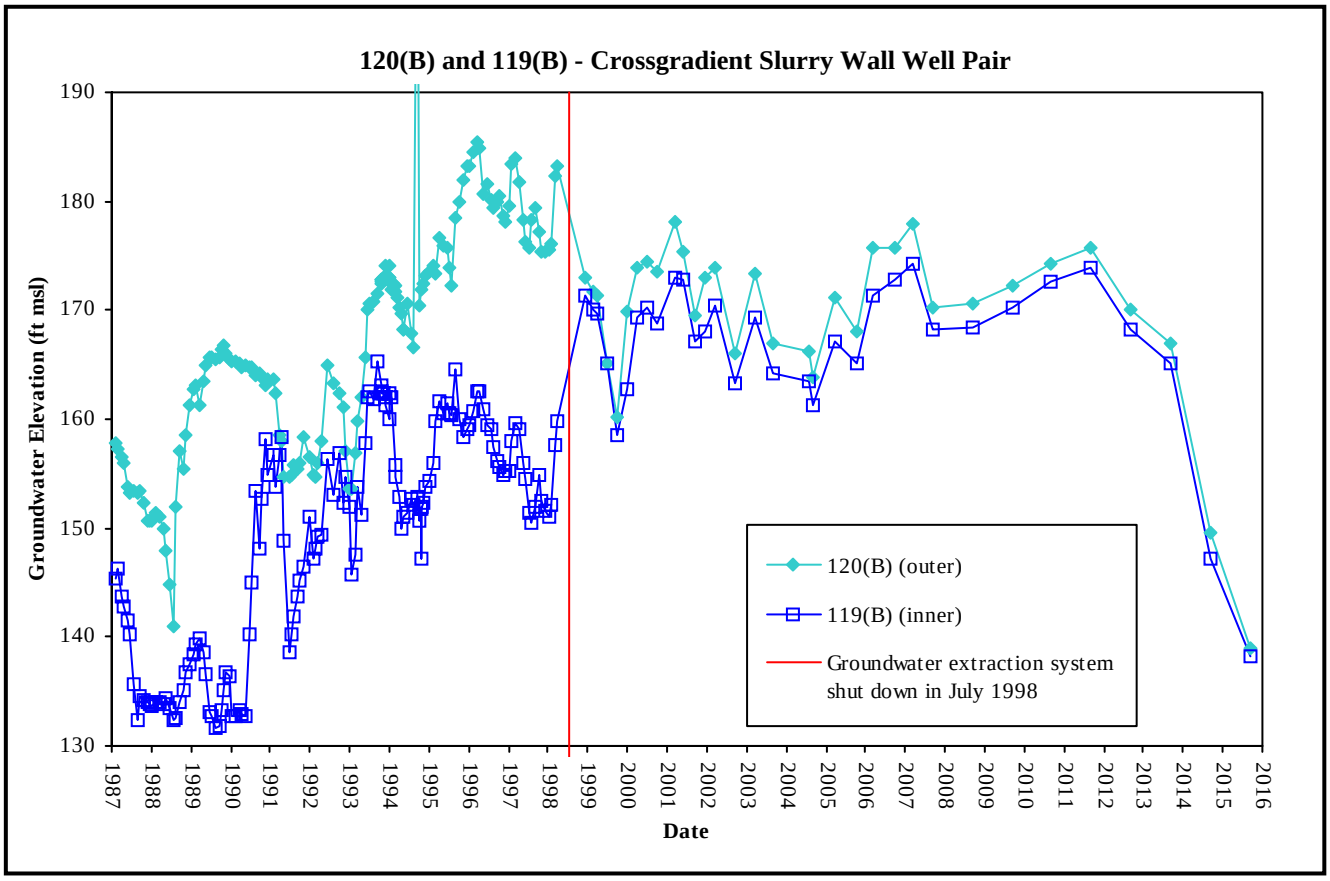


Note: 2015 water level at WCC-02(B) was not measured due to obstructed casing



Note: 126(B) was dry in June and September 2015

Figure 5. Hydrographs for Wells 127(B) and WCC-02(B) and Wells 126(B) and 116(B) - 101 Bernal Road, San Jose, California



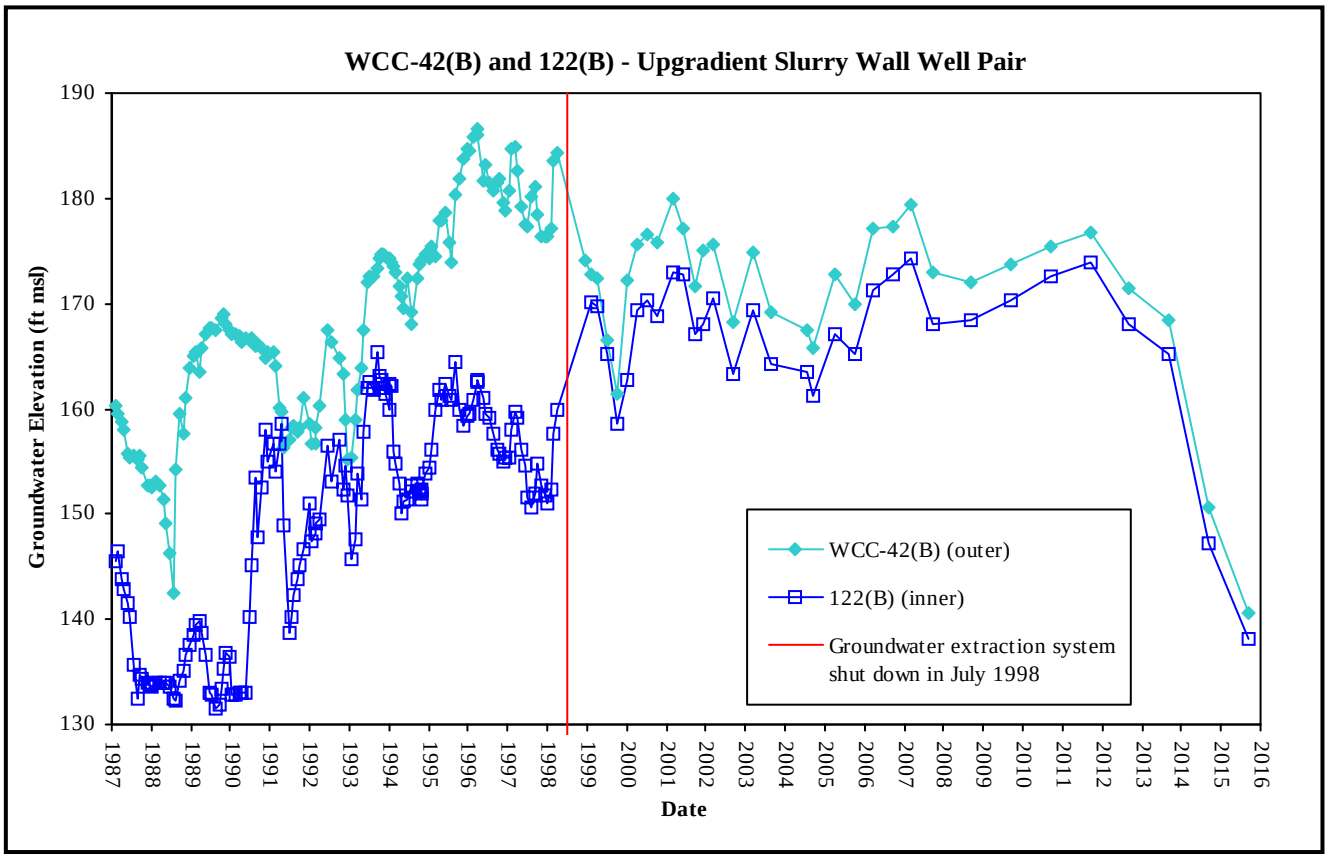


Figure 6. Hydrographs for Wells 120(B) and 119(B) and Wells WCC-42(B) and 122(B) - 101 Bernal Road, San Jose, California

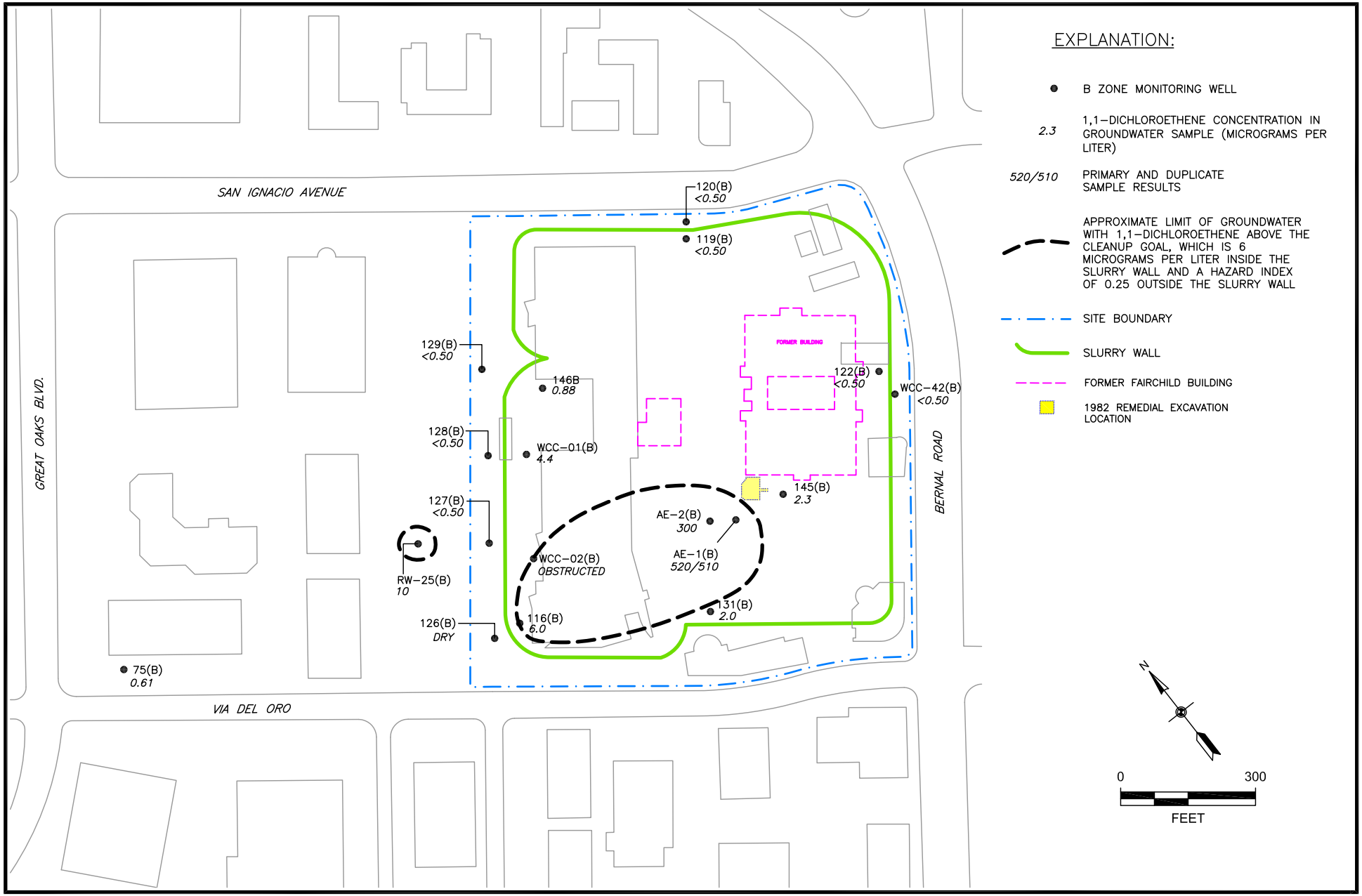
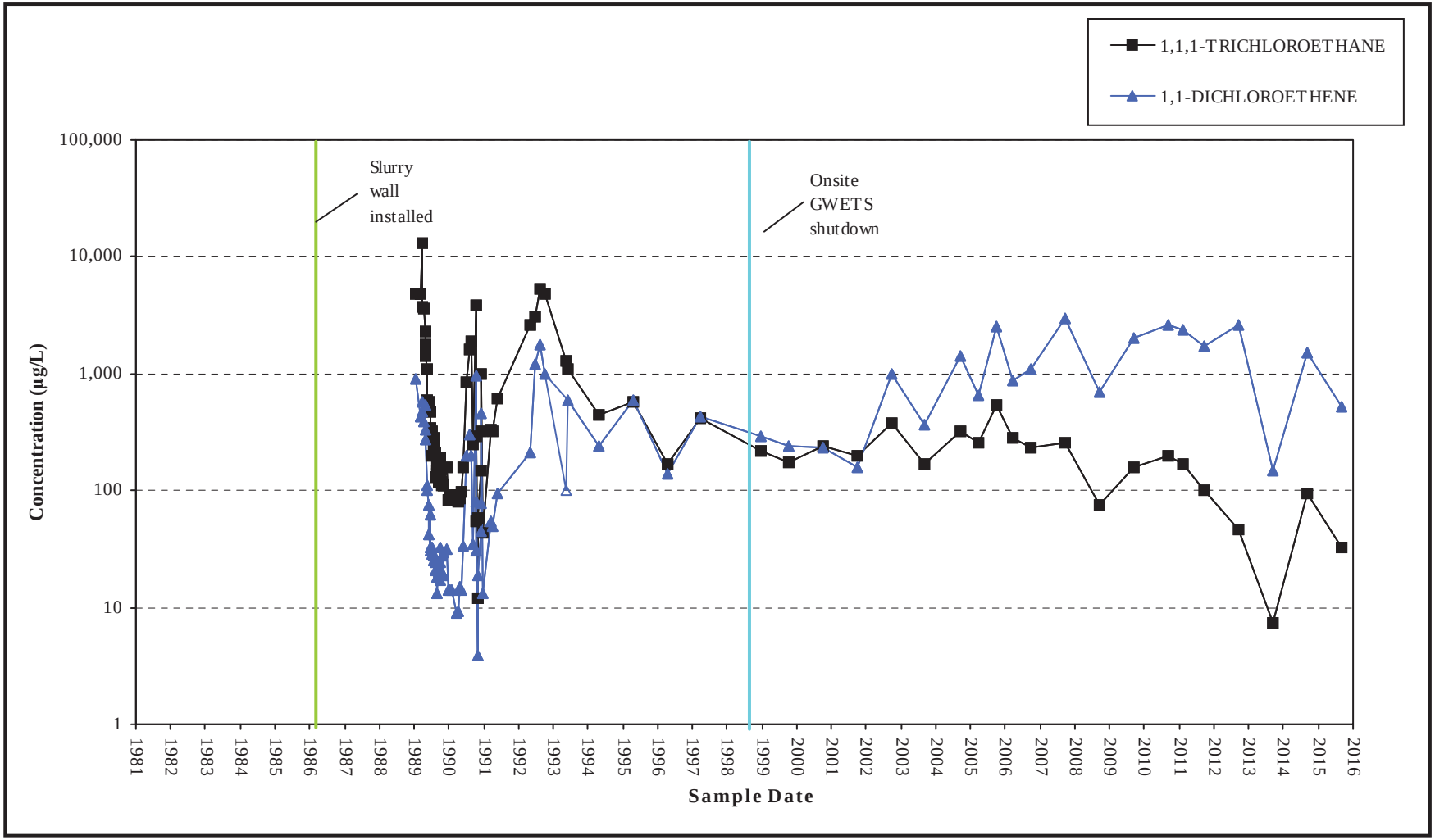
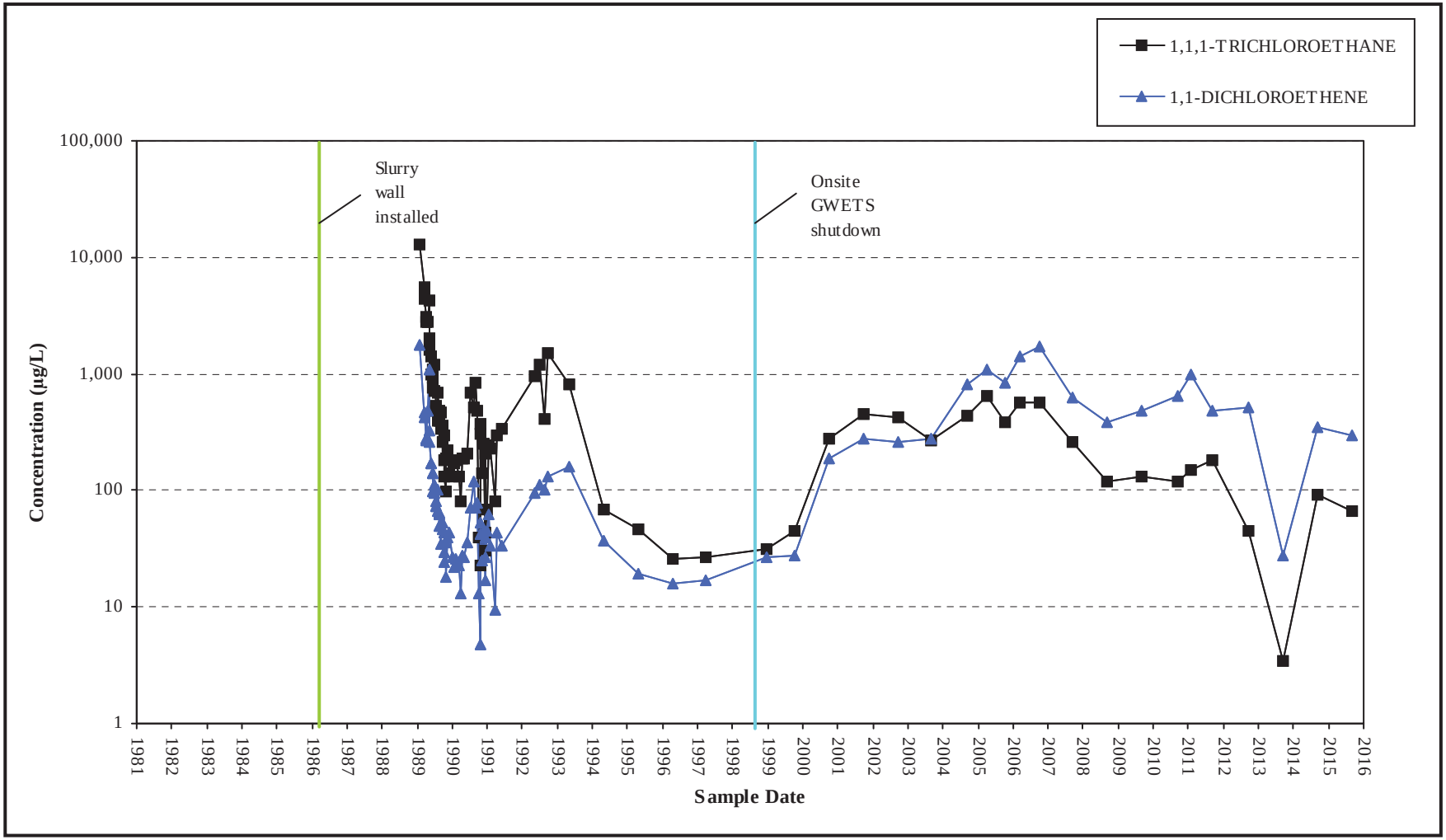


Figure 7. 1,1-Dichloroethene in B Zone Groundwater — September 2015 — 101 Bernal Road, San Jose, California



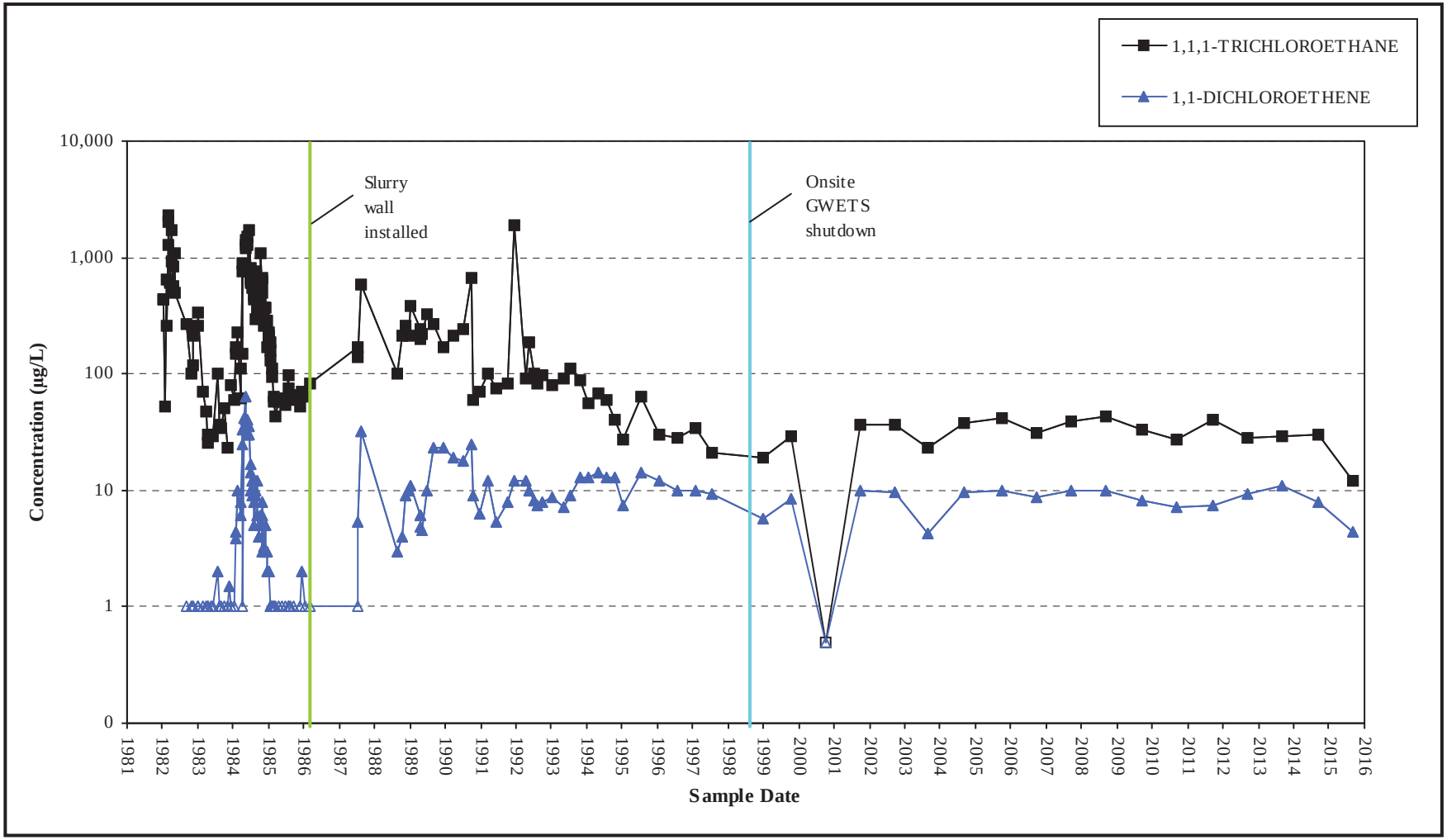
Notes: Analytes not detected above the reporting limit (RL) shown as open chart symbols at the RL. Ground water extraction and treatment system - GWETS.

Figure 8. Selected Analyte Concentrations in Groundwater versus Time for Well AE-1(B) Inside the Slurry Wall



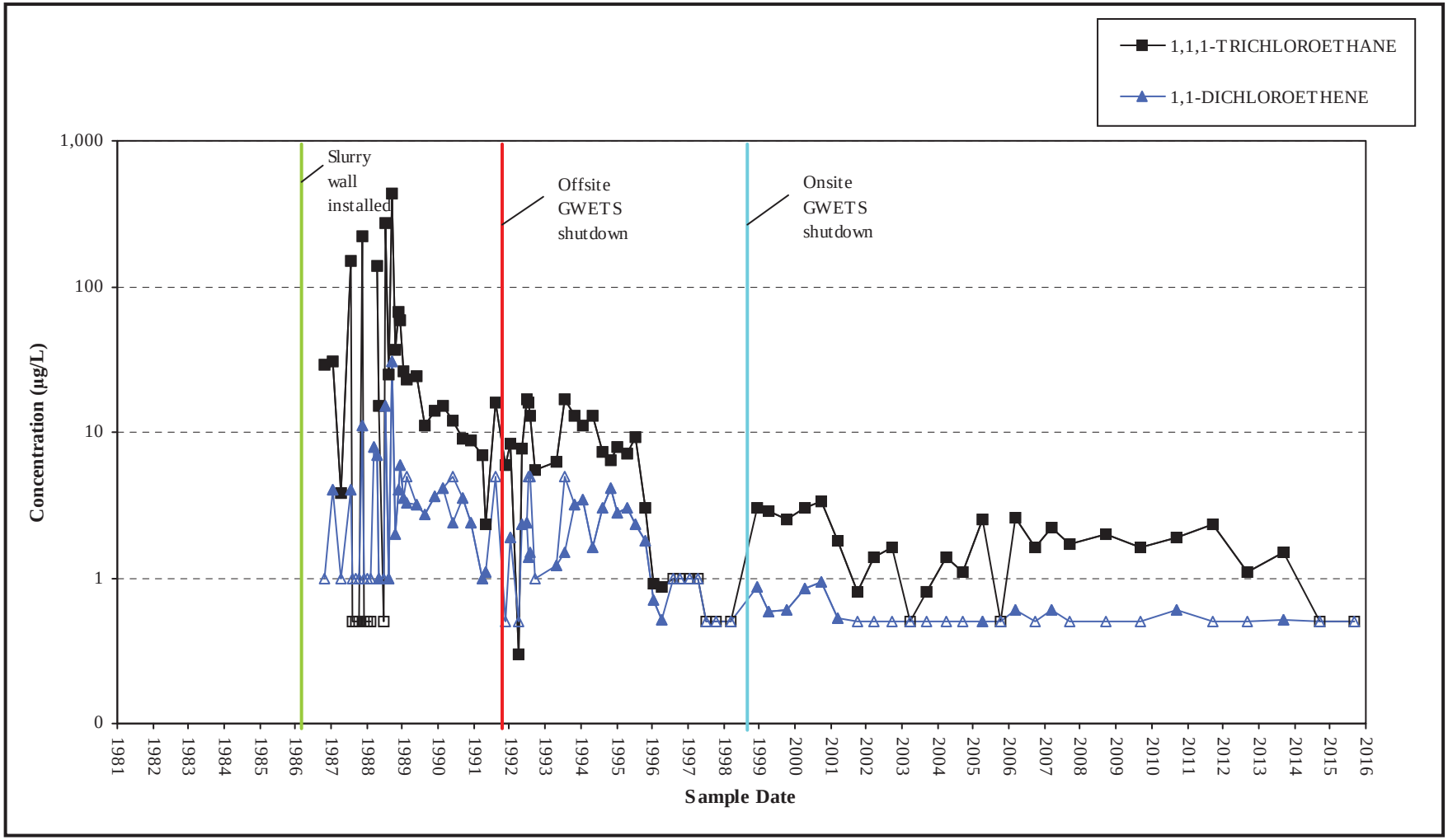
Notes: Analytes not detected above the reporting limit (RL) shown as open chart symbols at the RL. Ground water extraction and treatment system - GWETS.

Figure 9. Selected Analyte Concentrations in Groundwater versus Time for Well AE-2(B) Inside the Slurry Wall



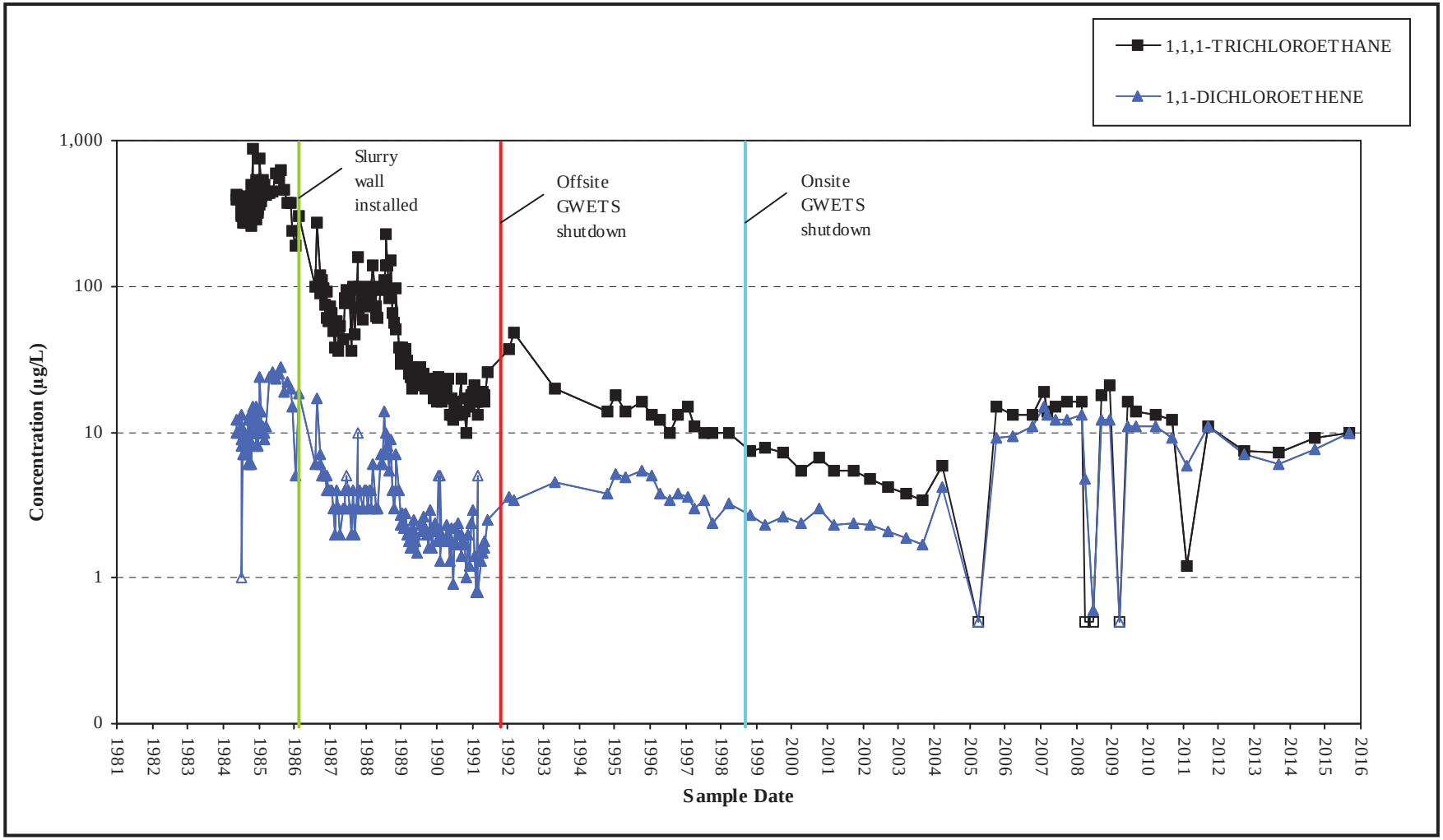
Notes: Analytes not detected above the reporting limit (RL) shown as open chart symbols at the RL. Ground water extraction and treatment system - GWETS.

Figure 10. Selected Analytes in Groundwater versus Time for Well WCC-01(B) Inside the Slurry Wall



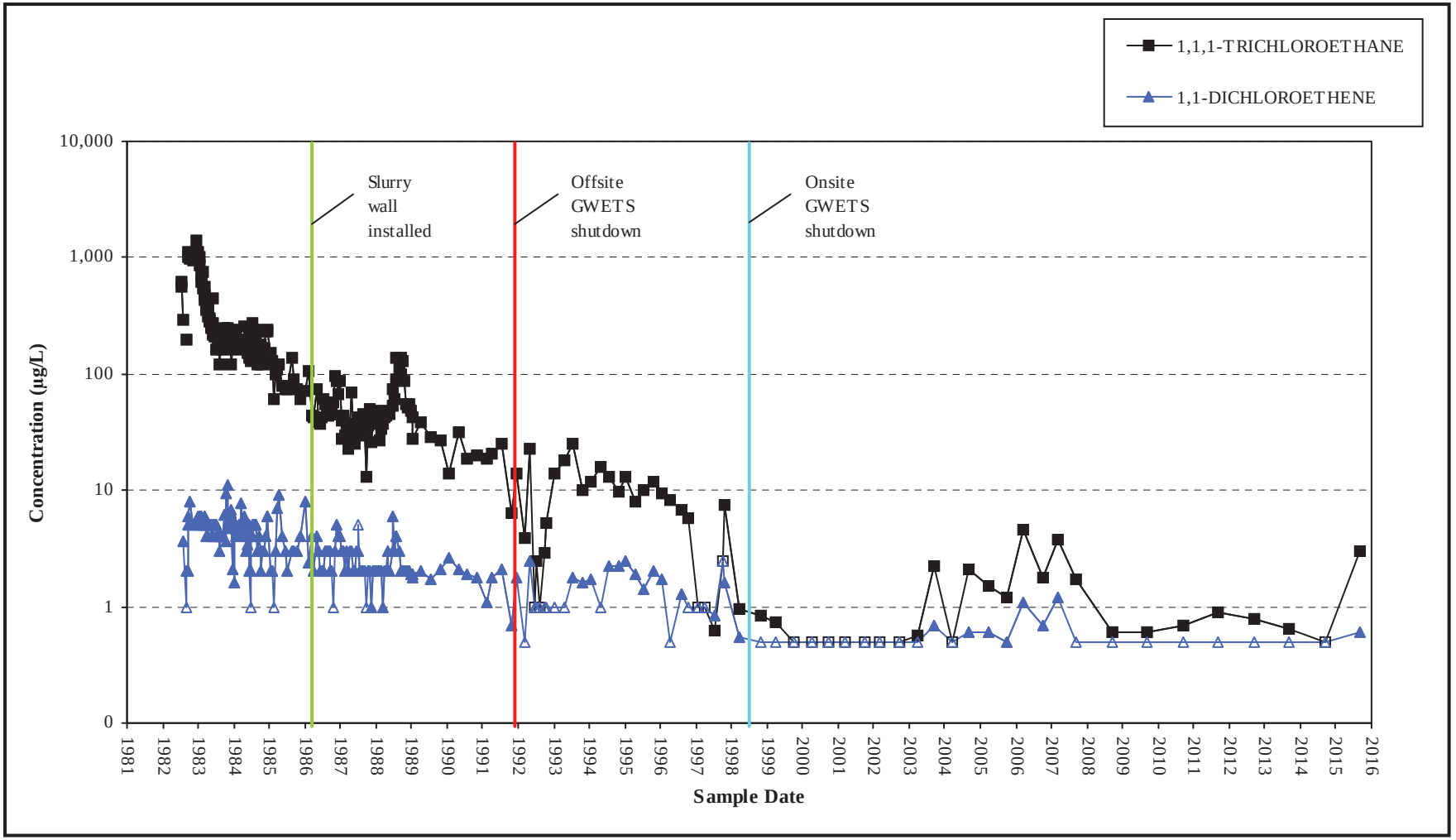
Notes: Analytes not detected above the reporting limit (RL) shown as open chart symbols at the RL. Ground water extraction and treatment system - GWETS.

Figure 11. Selected Analytes in Groundwater versus Time for Well 128(B) Outside the Slurry Wall



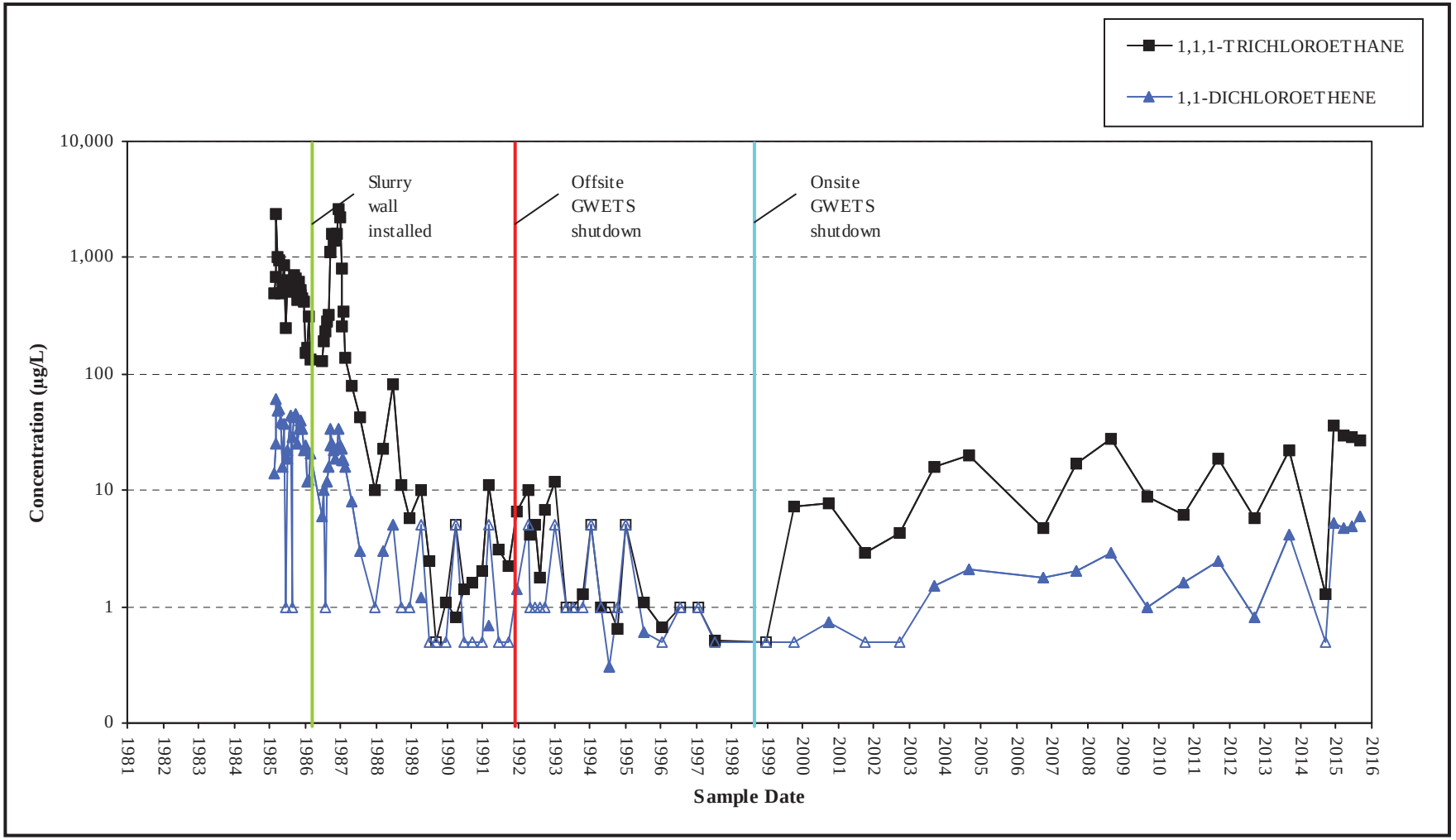
Notes: Analytes not detected above the reporting limit (RL) shown as open chart symbols at the RL. Ground water extraction and treatment system - GWETS.

Figure 12. Selected Analytes in Groundwater versus Time for Well RW-25(B) Outside the Slurry Wall



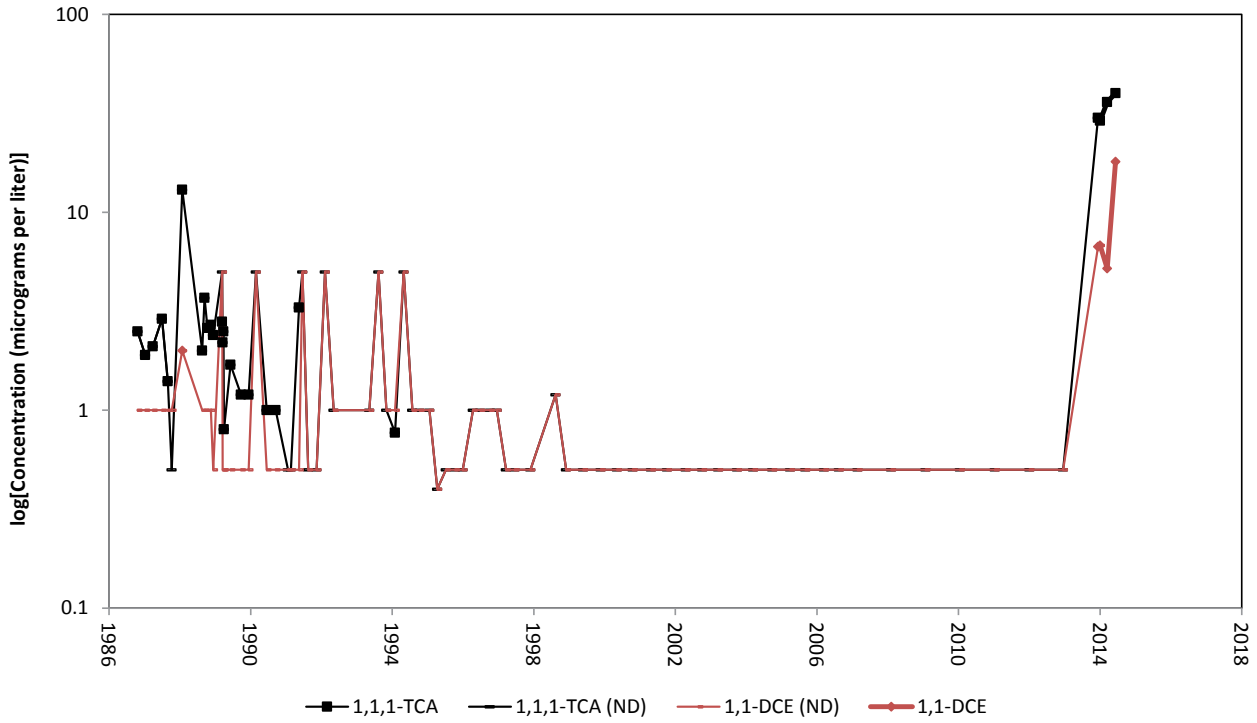
Notes: Analytes not detected above the reporting limit (RL) shown as open chart symbols at the RL. Ground water extraction and treatment system - GWETS.

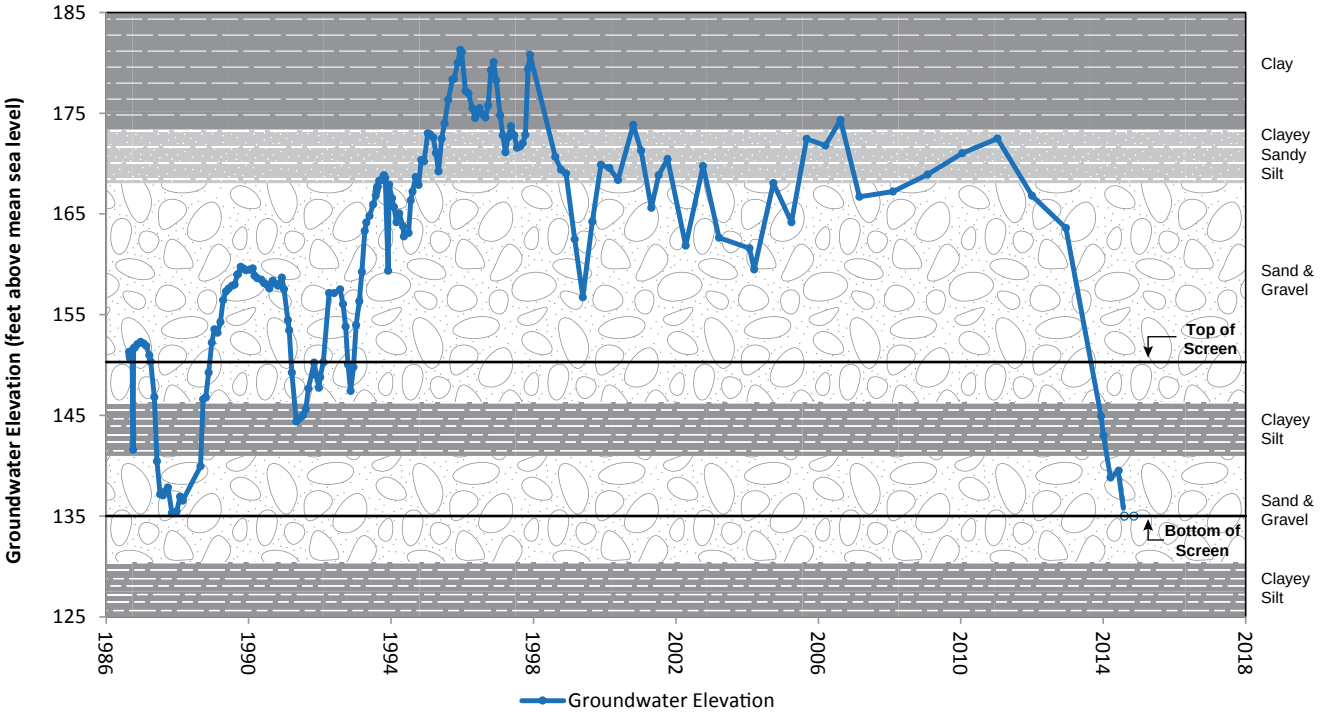
Figure 13. Selected Analytes in Groundwater versus Time for Well 75(B) Outside the Slurry Wall



Notes: Analytes not detected above the reporting limit (RL) shown as open chart symbols at the RL. Ground water extraction and treatment system - GWETS.

Figure 14. Selected Analytes in Groundwater versus Time for Well 116(B) Inside the Slurry Wall





Notes: Lithology based on log for adjacent soil boring SB-152. Screen interval is 135 to 150 feet above mean sea level.
1,1,1-TCA: 1,1,1-trichloroethane. 1,1-DCE: 1,1-dichloroethene. ND: not detected above the reporting limit.
Water level dropped below bottom of well screen between March and June 2015.

Figure 15. VOC Concentrations and Hydrograph for Monitoring Well 126(B) - 101 Bernal Road, San Jose, California

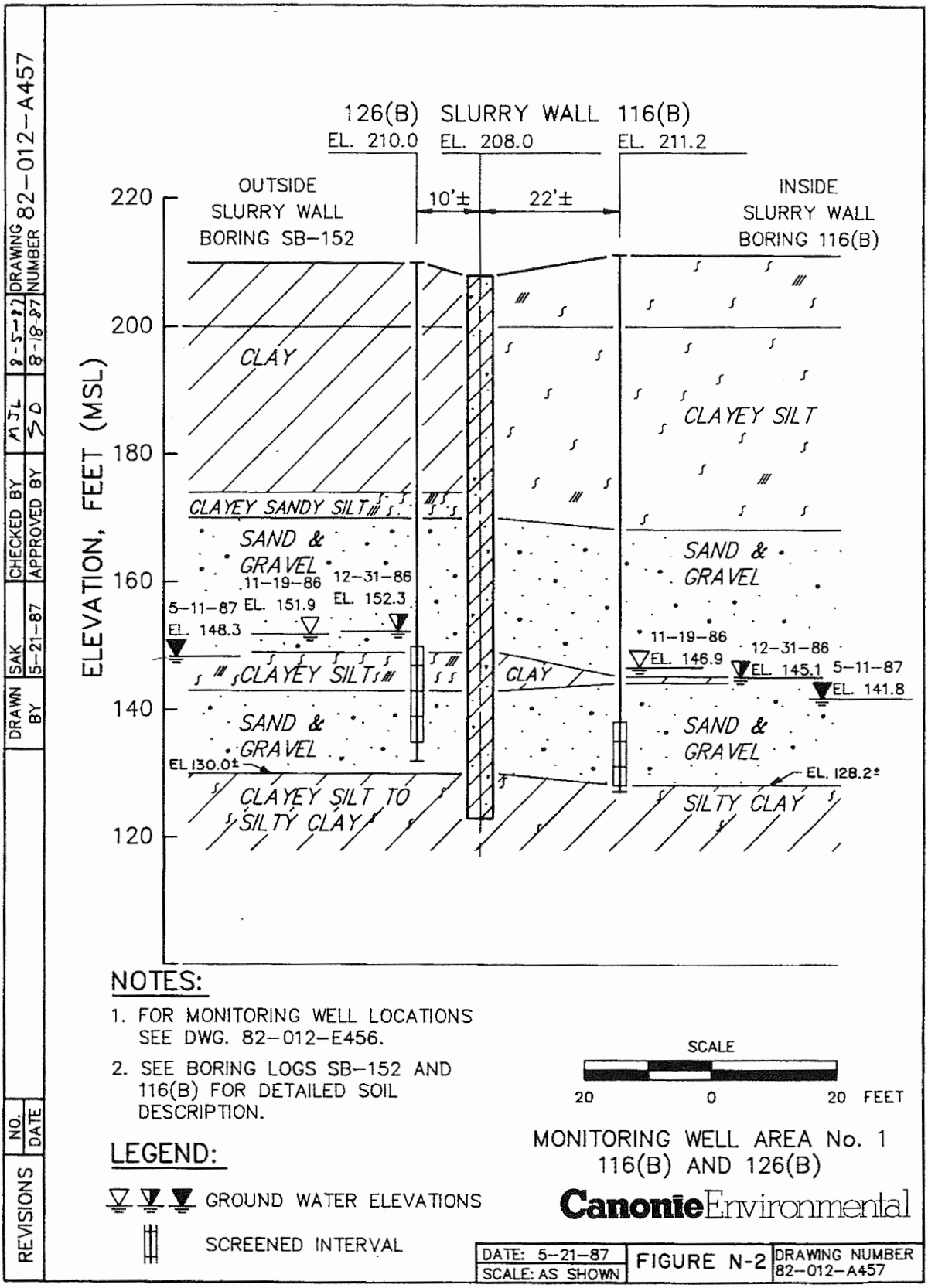


Figure 16. Generalized Cross-Section at Wells 116(B) and 126(B) - 101 Bernal Road, San Jose, California

TABLES

Table 1. Results of Well Abandonments, 101 Bernal Road, San Jose, California

Well Name	Type of Well	Water-Bearing Zone	Diameter (inches)	Well Depth (feet bgs)	Screen Interval (feet bgs)	Sand Pack Interval (feet bgs)	Location	Abandonment Date	Abandonment Method
74(B)	Monitoring	B	2	131	74-131	70-134	Off-site; Equinix property	3/18/2015	Overdrilled and grouted to ground surface
82(A)	Monitoring	A	2	60	34-60	30-62	On-site	3/20/2015	Grouted to ground surface
83(B)	Monitoring	B	2	109	51-109	49-112	Off-site; 85 Great Oaks Boulevard	3/21/2015	Grouted to ground surface
105(B)	Monitoring	B	6	125	95-125	85-130	Off-site; Equinix property	10/9/2015	Perforated and grouted to ground surface
106(B)	Monitoring	B	6	120	90-120	80-130	Off-site; VTA Santa Teresa Station	10/20/2015	Perforated and grouted to ground surface
107(C)	Monitoring	C	6	178	148-178	138-190	Off-site; VTA Santa Teresa Station	10/20/2015	Perforated and grouted to ground surface
133(B)	Monitoring	B	4	111	80-110	77-111	Off-site; Miyuki Dog Park	---	Well not abandoned; ownership transferred to the Santa Clara Valley Water District in March 2015
135(B)	Monitoring	B	4	118	83-118	80-119	Off-site; Miyuki Drive	3/24/2015	Grouted to ground surface
F-6(A)	Monitoring	A	2	44	24-44	26-46	On-site	3/20/2015	Grouted to ground surface
RW-10(C)	Inactive Extraction	C	10	182	150-180	135-190	Off-site; VTA Santa Teresa Station	10/21/2015	Perforated and grouted to ground surface
RW-13(B)	Inactive Extraction	B	10	105	70-100	60-115	Off-site; VTA Santa Teresa Station	10/21/2015	Perforated and grouted to ground surface
RW-19(B)	Inactive Extraction	B	10	104	69-99	60-104	Off-site; Equinix property	---	Well not abandoned; ownership transferred to Equinix, Inc. in October 2015
RW-20(B)	Inactive Extraction	B	10	122	90-120	80-122	Off-site; VTA Santa Teresa Station	10/22/2015	Perforated and grouted to ground surface
RW-27(B)	Inactive Extraction	B	10	124	87-117	75-124	Off-site; VTA Santa Teresa Station	10/19/2015	Perforated and grouted to ground surface
WCC-04(A)	Monitoring	A	6	58	42-54	40-58	On-site	9/24/2015	Grouted to ground surface
WCC-06(C)	Monitoring	C	6	190	140-185	135-190	On-site	9/23/2015	Grouted to ground surface
WCC-13(B)	Monitoring	B	2	70	60-80	42-100	Off-site; Equinix property	3/16/2015	Overdrilled and grouted to ground surface
WCC-26(B)	Monitoring	B	2	96	54-96	34-96	Off-site; VTA Santa Teresa Station	3/23/2015	Overdrilled and grouted to ground surface
WCC-27(B)	Monitoring	B	2	113	63-108	64-118	Off-site; VTA Santa Teresa Station	3/20/2015	Overdrilled and grouted to ground surface
WCC-29(B)	Monitoring	B	2	124	64-123	59-127	Off-site; VTA Santa Teresa Station	3/19/2015	Overdrilled and grouted to ground surface
WCC-31(B)	Monitoring	B	2	60	40-60	39-60	On-site	3/20/2015	Grouted to ground surface
WCC-37(B)	Monitoring	B	2	92	57-87	52-98	On-site	3/24/2015	Overdrilled and grouted to ground surface

Abbreviations:
feet bgs – feet below ground surface
VTA – Santa Clara Valley Transportation Authority

Table 2. Groundwater Elevations - September 2011 to September 2015, 101 Bernal Road, San Jose, California

Well ID	Top of Casing Elevation (ft amsl)	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	+ / - previous measurement (ft)
116(B)	210.56	09/12/11	36.85	173.71	---
		09/11/12	42.35	168.21	-5.50
		09/03/13	45.60	164.96	-3.25
		09/09/14	63.58	146.98	-17.98
		12/16/14	68.00	142.56	-4.42
		03/13/15	69.45	141.11	-1.45
		06/10/15	70.67	139.89	-1.22
		09/08/15	72.78	137.78	-2.11
119(B)	212.59	09/12/11	38.75	173.84	---
		09/11/12	44.32	168.27	-5.57
		09/04/13	47.50	165.09	-3.18
		09/09/14	65.34	147.25	-17.84
		09/08/15	74.43	138.16	-9.09
120(B)	213.47	09/12/11	37.81	175.66	---
		09/11/12	43.44	170.03	-5.63
		09/04/13	46.52	166.95	-3.08
		09/09/14	63.95	149.52	-17.43
		09/08/15	74.56	138.91	-10.61
122(B)	216.73	09/12/11	42.83	173.90	---
		09/11/12	48.60	168.13	-5.77
		09/03/13	51.60	165.13	-3.00
		09/09/14	69.49	147.24	-17.89
		09/08/15	78.58	138.15	-9.09
126(B)	209.45	09/12/11	36.95	172.50	---
		09/11/12	42.63	166.82	-5.68
		09/03/13	45.84	163.61	-3.21
		09/09/14	64.54	144.91	-18.70
		12/16/14	70.62	138.83	-6.08
		03/13/15	69.95	139.50	0.67
		06/10/15	Dry	NA	---
		09/08/15	Dry	NA	---
127(B)	210.65	09/12/11	38.23	172.42	---

Table 2. Groundwater Elevations - September 2011 to September 2015, 101 Bernal Road, San Jose, California

Well ID	Top of Casing Elevation (ft amsl)	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	+ / - previous measurement (ft)
127(B)	210.65	09/11/12	43.50	167.15	-5.27
		09/03/13	47.15	163.50	-3.65
		09/09/14	65.84	144.81	-18.69
		09/08/15	77.50	133.15	-11.66
128(B)	211.29	09/12/11	39.06	172.23	---
		09/11/12	44.70	166.59	-5.64
		09/03/13	48.00	163.29	-3.30
		09/09/14	66.29	145.00	-18.29
		09/08/15	77.85	133.44	-11.56
129(B)	212.03	09/12/11	39.94	172.09	---
		09/11/12	45.43	166.60	-5.49
		09/03/13	47.85	164.18	-2.42
		09/09/14	66.72	145.31	-18.87
		09/08/15	78.33	133.70	-11.61
131(B)	209.79	09/12/11	35.96	173.83	---
		09/11/12	41.47	168.32	-5.51
		09/03/13	44.85	164.94	-3.38
		09/09/14	62.37	147.42	-17.52
		09/08/15	71.67	138.12	-9.30
145(B)	212.42	09/12/11	38.55	173.87	---
		09/11/12	44.07	168.35	-5.52
		09/03/13	47.30	165.12	-3.23
		09/09/14	65.20	147.22	-17.90
		09/08/15	74.32	138.10	-9.12
146(B)	211.80	09/12/11	37.92	173.88	---
		09/11/12	43.41	168.39	-5.49
		09/03/13	46.65	165.15	-3.24
		09/09/14	64.56	147.24	-17.91
		09/08/15	73.68	138.12	-9.12
75(B)	205.19	09/12/11	34.87	170.32	---
		09/11/12	40.57	164.62	-5.70
		09/03/13	44.03	161.16	-3.46

Table 2. Groundwater Elevations - September 2011 to September 2015, 101 Bernal Road, San Jose, California

Well ID	Top of Casing Elevation (ft amsl)	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	+ / - previous measurement (ft)
75(B)	205.19	09/09/14	61.39	143.80	-17.36
		09/08/15	73.57	131.62	-12.18
AE-1(B)	211.22	09/12/11	37.33	173.89	---
		09/11/12	42.85	168.37	-5.52
		09/03/13	46.06	165.16	-3.21
		09/09/14	63.96	147.26	-17.90
		09/08/15	73.07	138.15	-9.11
AE-2(B)	210.55	09/12/11	37.31	173.24	---
		09/11/12	41.79	168.76	-4.48
		09/03/13	45.02	165.53	-3.23
		09/09/14	62.92	147.63	-17.90
		09/08/15	72.05	138.50	-9.13
RW-23(A)	206.50	09/12/11	37.32	169.18	---
		09/11/12	42.10	164.40	-4.78
		09/03/13	45.75	160.75	-3.65
		09/09/14	Dry	NA	---
		09/08/15	Dry	NA	---
RW-25(B)	210.07	09/12/11	39.91	170.16	---
		09/11/12	44.57	165.50	-4.66
		09/03/13	47.85	162.22	-3.28
		09/09/14	65.88	144.19	-18.03
		09/08/15	77.55	132.52	-11.67
WCC-01(B)	209.93	09/12/11	36.04	173.89	---
		09/11/12	41.56	168.37	-5.52
		09/03/13	44.80	165.13	-3.24
		09/09/14	62.70	147.23	-17.90
		09/08/15	71.82	138.11	-9.12
WCC-02(B)	210.79	09/12/11	37.01	173.78	---
		09/11/12	42.44	168.35	-5.43
		09/03/13	45.70	165.09	-3.26
		09/09/14	63.62	147.17	-17.92
		09/08/15	Obs	NA	---

Table 2. Groundwater Elevations - September 2011 to September 2015, 101 Bernal Road, San Jose, California

Well ID	Top of Casing Elevation (ft amsl)	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	+ / - previous measurement (ft)
WCC-41(A)	206.79	09/12/11	37.82	168.97	---
		09/11/12	43.05	163.74	-5.23
		09/03/13	46.15	160.64	-3.10
		09/09/14	Dry	NA	---
		09/08/15	Dry	NA	---
WCC-42(B)	215.19	09/12/11	38.40	176.79	---
		09/11/12	43.83	171.36	-5.43
		09/03/13	46.75	168.44	-2.92
		09/09/14	64.62	150.57	-17.87
		09/08/15	74.68	140.51	-10.06

Notes and Abbreviations:

ft - feet
ft amsl - feet above mean sea level
NA - not applicable
Obs - obstruction in well casing; depth to water not measured.

Weiss Associates

Table 3. Volatile Organic Compounds in Groundwater - September 2011 to September 2015, 101 Bernal Road, San Jose, California

Sample Location	Sample Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Acetone	cis-1,2-DCE	Freon 113	Isopro-panol	m,p-Xylene	o-Xylene	Total Xylenes	PCE	TCE	Vinyl Chloride	1,4-Dioxane
		micrograms per liter														
Wells Inside Slurry Wall																
116(B)	09/14/11	**19**	<0.5	**2.5**	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
116(B)	09/12/12	**5.8**	<0.50	**0.80**	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
116(B)	09/05/13	**22**	<0.50	**4.2**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
116(B)	09/10/14	**1.3**	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
116(B)	12/16/14	**36**	**0.74**	**5.2**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
116(B)	03/13/15	**30**	**0.77**	**4.8**	<0.50	<50	<0.50	<0.50	---	---	---	<1.0	<0.50	<0.50	<0.50	---
116(B)	06/10/15	**29**	**0.73**	**4.9**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
116(B)	09/08/15	**27**	**0.76**	**6.0**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
119(B)	09/13/11	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
119(B)	09/13/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
119(B)	09/04/13	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
119(B)	09/10/14	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
119(B)	09/08/15	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
122(B)	09/13/11	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
122(B)	09/12/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
122(B)	09/05/13	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
122(B)	09/10/14	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
122(B)	09/08/15	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
131(B)	09/14/11	**7.0**	<0.5	**7.1**	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
131(B)	09/12/12	**8.1**	<0.50	**5.4**	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
131(B)	09/05/13	**5.9**	**1.3**	**26**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
131(B) (DUP)	09/05/13	**6.0**	**1.3**	**26**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
131(B)	09/10/14	**9.7**	**1.9**	**29**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	**0.77**	<0.50	<0.50	---
131(B)	09/08/15	**9.4**	<0.50	**2.0**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
145(B)	09/13/11	**14**	<0.5	**2.7**	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
145(B)	09/13/12	**11**	**0.62**	**4.9**	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
145(B)	09/05/13	**9.4**	<0.50	**5.0**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
Cleanup Goal for Inside Slurry Wall:		200	NE	6	NE	3,500	NE	1,200	450	1,750*	1,750*	1,750	5	NE	NE	NE

Table 3. Volatile Organic Compounds in Groundwater - September 2011 to September 2015, 101 Bernal Road, San Jose, California

Sample Location	Sample Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Acetone	cis-1,2-DCE	Freon 113	Isopro-panol	m,p-Xylene	o-Xylene	Total Xylenes	PCE	TCE	Vinyl Chloride	1,4-Dioxane
		micrograms per liter														
145(B) (DUP)	09/05/13	**11**	**0.57**	**6.9**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
145(B)	09/11/14	**10**	<0.50	**3.1**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
145(B) (DUP)	09/11/14	**10**	<0.50	**2.7**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
145(B)	09/08/15	**6.7**	<0.50	**2.3**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
146(B)	09/14/11	**9.3**	**0.6**	**1.6**	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
146(B)	09/13/12	**5.9**	<0.50	**1.3**	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
146(B)	09/05/13	**5.2**	<0.50	**1.4**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
146(B)	09/11/14	**6.5**	<0.50	**1.6**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
146(B)	09/08/15	**4.2**	<0.50	**0.88**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
AE-1(B)	09/14/11	**100**	**180**	**1,700**	**12**	<71	<3.6	<14	---	<3.6	<3.6	<7.1	<3.6	<3.6	<3.6	---
AE-1(B)	09/13/12	**47**	**84**	**2,600**	**9.4**	<50	**1.2**	**6.0**	<5.0	---	---	**80**	**12**	**1.4**	**1.4**	---
AE-1(B)	09/06/13	**7.5**	**12**	**150**	**0.62**	<50	<0.50	<0.50	<100	---	---	<1.0	**1.6**	<0.50	<0.50	---
AE-1(B)	09/12/14	**95**	**70**	**1,500**	**8.0**	<50	**7.2**	**3.9**	<100	---	---	**2.5**	**5.0**	**2.5**	**0.69**	**39 J**
AE-1(B) (DUP)	09/12/14	**95**	**71**	**1,400**	**8.1**	<50	**7.2**	**3.8**	<100	---	---	**2.5**	**4.9**	**2.5**	**0.72**	**48 J**
AE-1(B)	09/09/15	**33**	**46**	**520**	**2.8**	<50	**0.63**	**0.61**	<100	---	---	<1.0	**0.54**	<0.50	<0.50	**7.2**
AE-1(B) (DUP)	09/09/15	**32**	**46**	**510**	**2.8**	<50	**0.63**	**0.55**	<100	---	---	<1.0	**0.51**	<0.50	<0.50	**6.2**
AE-2(B)	09/14/11	**180**	**160**	**440**	**3.4**	<40	<2.0	<8.0	---	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	---
AE-2(B) (DUP)	09/14/11	**140**	**140**	**480**	<2.5	<50	<2.5	<10	---	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	---
AE-2(B)	09/13/12	**45**	**67**	**510**	**1.7**	<50	**0.52**	**4.7**	<5.0	---	---	<1.0	**4.4**	<0.50	<0.50	---
AE-2(B) (DUP)	09/13/12	**41**	**65**	**510**	**1.7**	<50	<0.50	**3.9**	<5.0	---	---	<1.0	**2.8**	<0.50	<0.50	---
AE-2(B)	09/06/13	**3.4**	**4.4**	**28**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	**0.88**	<0.50	<0.50	---
AE-2(B)	09/11/14	**93**	**110**	**350**	**1.8**	<50	<0.50	**0.80**	<100	---	---	<1.0	**0.50**	<0.50	<0.50	---
AE-2(B)	09/09/15	**66**	**120**	**300**	**1.1**	<50	<0.50	**1.3**	<100	---	---	<1.0	**1.1**	<0.50	**0.60**	---
RW-23(A)	09/13/11	**6.4**	**6.2**	**4.8**	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	**1.1**	<0.5	---
RW-23(A)	09/13/12	**14**	**6.2**	**20**	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	**0.65**	**1.1**	<0.50	---
RW-23(A)	09/05/13	**6.7**	**5.5**	**9.7**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	**1.0**	<0.50	---
RW-23(A)	09/10/14	*Dry*														
RW-23(A)	09/09/15	*Dry*														
Cleanup Goal for Inside Slurry Wall:		200	NE	6	NE	3,500	NE	1,200	450	1,750*	1,750*	1,750	5	NE	NE	NE

Weiss Associates

Table 3. Volatile Organic Compounds in Groundwater - September 2011 to September 2015, 101 Bernal Road, San Jose, California

Sample Location	Sample Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Acetone	cis-1,2-DCE	Freon 113	Isopropanol	m,p-Xylene	o-Xylene	Total Xylenes	PCE	TCE	Vinyl Chloride	1,4-Dioxane
		micrograms per liter														
WCC-01(B)	09/13/11	**40**	**2.6**	**7.4**	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WCC-01(B)	09/13/12	**28**	**2.8**	**9.3**	<0.50	<50	<0.50	**0.50**	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-01(B)	09/05/13	**29**	**2.8**	**11**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-01(B) (DUP)	09/05/13	**25**	**2.4**	**7.4**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-01(B)	09/11/14	**25**	**1.9**	**7.2**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-01(B) (DUP)	09/11/14	**30**	**2.3**	**8.0**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-01(B)	09/08/15	**12**	**0.97**	**4.4**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-02(B)	09/14/11	**29**	<0.5	**1.4**	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WCC-02(B)	09/12/12	**27**	<0.50	**2.0**	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-02(B)	09/05/13	**28**	<0.50	**3.5**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-02(B)	09/11/14	**41**	**0.66**	**5.7**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-02(B)	09/09/15	*Obs*														
WCC-41(A)	09/14/11	**34**	**20**	**100**	<1.0	<20	<1.0	<4.0	---	<1.0	<1.0	<2.0	**1.8**	<1.0	<1.0	**93**
WCC-41(A) (DUP)	09/14/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**100**
WCC-41(A)	09/13/12	**39**	**23**	**84**	**0.71**	<50	<0.50	<0.50	<5.0	---	---	<1.0	**0.95**	<0.50	<0.50	**110**
WCC-41(A) (DUP)	09/13/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**100**
WCC-41(A)	09/05/13	**41**	**30**	**110**	**0.72**	<50	<0.50	<0.50	<100	---	---	<1.0	**1.3**	<0.50	<0.50	**90**
WCC-41(A) (DUP)	09/05/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**100**
WCC-41(A)	09/11/14	*Dry*														
WCC-41(A)	09/09/15	*Dry*														
Wells Outside Slurry Wall [a]																
75(B)	09/14/11	**0.9**	<0.5	<0.5	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
75(B)	09/13/12	**0.79**	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
75(B)	09/06/13	**0.64**	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
75(B)	09/11/14	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
75(B)	09/09/15	**3.0**	<0.50	**0.61**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
Cleanup Goal for Inside Slurry Wall:		200	NE	6	NE	3,500	NE	1,200	450	1,750*	1,750*	1,750	5	NE	NE	NE

Table 3. Volatile Organic Compounds in Groundwater - September 2011 to September 2015, 101 Bernal Road, San Jose, California

Sample Location	Sample Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Acetone	cis-1,2-DCE	Freon 113	Isopropanol	m,p-Xylene	o-Xylene	Total Xylenes	PCE	TCE	Vinyl Chloride	1,4-Dioxane
		micrograms per liter														
120(B)	09/12/11	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
120(B)	09/12/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
120(B)	09/04/13	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
120(B)	09/10/14	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
120(B)	09/08/15	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
126(B)	09/13/11	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
126(B)	09/12/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
126(B)	09/03/13	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
126(B)	09/09/14	**30**	**2.1**	**6.7**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
126(B)	10/02/14	**29**	**2.6**	**6.8**	<0.50	<10	<0.50	<2.0	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
126(B)	12/16/14	**2.8**	**0.54**	**2.0**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
126(B)	03/13/15	**40**	**6.4**	**18**	<0.50	<50	<0.50	<0.50	---	---	---	<1.0	<0.50	<0.50	<0.50	---
126(B)	06/10/15	*Dry*														
126(B)	09/09/15	*Dry*														
127(B)	09/12/11	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
127(B)	09/13/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
127(B)	09/04/13	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
127(B)	09/09/14	**0.91**	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
127(B)	09/08/15	**1.5**	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
128(B)	09/12/11	**2.3**	<0.5	<0.5	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.98
128(B)	09/13/12	**1.1**	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	<1.0
128(B)	09/04/13	**1.5**	<0.50	**0.52**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	<1.0
128(B)	09/09/14	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	<1.1
128(B)	09/08/15	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	<1.0
129(B)	09/12/11	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
129(B)	09/13/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
129(B)	09/04/13	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
129(B)	09/09/14	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---

Table 3. Volatile Organic Compounds in Groundwater - September 2011 to September 2015, 101 Bernal Road, San Jose, California

Sample Location	Sample Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Acetone	cis-1,2-DCE	Freon 113	Isopropanol	m,p-Xylene	o-Xylene	Total Xylenes	PCE	TCE	Vinyl Chloride	1,4-Dioxane
		micrograms per liter														
129(B)	09/08/15	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
GO-04(M)	08/28/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	**9.0**	---	---	<1.0	<0.50	<0.50	<0.50	---
GO-04(M)	11/06/12	---	---	---	---	---	---	---	<5.0	---	---	---	---	---	---	---
GO-04(M)	09/04/13	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
GO-04(M)	08/25/14	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
GO-04(M)	08/26/15	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
RW-25(B)	09/14/11	**11**	**1.2**	**11**	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
RW-25(B)	09/13/12	**7.5**	**1.1**	**7.1**	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
RW-25(B)	09/04/13	**7.2**	**0.93**	**6.0**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
RW-25(B)	09/10/14	**9.1**	**1.6**	**7.6**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
RW-25(B)	09/08/15	**9.8**	**3.4**	**10**	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-42(B)	09/12/11	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<2.0	---	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WCC-42(B)	09/12/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<5.0	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-42(B)	09/05/13	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-42(B)	09/10/14	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---
WCC-42(B)	09/08/15	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<100	---	---	<1.0	<0.50	<0.50	<0.50	---

Notes:

Bold Text - analyte detected above the reporting limit or detected at an estimated value above the detection limit.

Analytical Methods: VOCs by EPA Method 8260B, 8010 or equivalent method. 1,4-Dioxane by EPA Method 8270C or equivalent method.

[a] - Cleanup goals for wells located outside the slurry wall are 0.25 of the Hazard Index as presented in Table 4.

Abbreviations:

< # - analyte not detected above the reporting limit of "#" µg/L
* - cleanup goal is for total xylenes
DCA - dichloroethane
DCE - dichloroethlene
DUP - duplicate sample
EPA - Environmental Protection Agency
J - estimated value
Obs - Obstruction
PCE - tetrachloroethlene
NE - not established
TCA - trichloroethane
TCE - trichloroethlene
VOCs - volatile organic compounds
µg/L - micrograms per liter

Table 4. Relative Percent Difference and Hazard Index Calculations for Wells Outside the Slurry Wall, 101 Bernal Road, San Jose, California

	← 1,1,1-Trichloroethane →			← 1,1-Dichloroethene →			
Well ID	**2014 Average Concentration (µg/L)**	**2015 Average Concentration (µg/L)**	**2014-2015 RPD (%)**	**2014 Average Concentration (µg/L)**	**2015 Average Concentration (µg/L)**	**2014-2015 RPD (%)**	**2015 HI**
75(B)	<0.50	3.0	143%	<0.50	0.61	20%	0.12
120(B)	<0.50	<0.50	0%	<0.50	<0.50	0%	---
126(B)	30	21	33%	6.8	10.0	38%	1.8
127(B)	0.91	1.5	49%	<0.50	<0.50	0%	0.008
128(B)	<0.50	<0.50	0%	<0.50	<0.50	0%	---
129(B)	<0.50	<0.50	0%	<0.50	<0.50	0%	---
GO-04(M)	<0.50	<0.50	0%	<0.50	<0.50	0%	---
RW-25(B)	9.1	9.8	7%	7.6	10	27%	1.7
WCC-42(B)	<0.50	<0.50	0%	<0.50	<0.50	0%	---
MCL	200	200		6	6		

Calculation Notes:

RPD – $(x_1-x_2)/((x_1+x_2) / 2))*100$; for analytes that were not detected, the reporting limit was used in the calculation.

HI – (1,1,1-trichlorethane concentration/1,1,1-trichloroethane MCL) + (1,1-dichloroethene concentration/1,1-dichloroethene MCL)

Abbreviations:

HI – hazard index
MCL – California maximum contaminant Level for drinking water
NA – not applicable
RPD – relative percent difference
µg/L – micrograms per liter
< # – not detected above the reporting limit of "#" µg/L
--- – HI not calculated because neither analyte was detected above the reporting limit.

Weiss Associates

APPENDIX A

QA/QC SUMMARY, ANALYTIC REPORTS, AND
CHAIN-OF-CUSTODY DOCUMENTS

Weiss Associates

APPENDIX A

ANALYTICAL DATA QUALITY REVIEW FOR GROUNDWATER SAMPLES COLLECTED DURING THE 2014-2015 REPORTING PERIOD 101 Bernal Road, San Jose, California

Weiss Associates reviewed the results for field and laboratory quality assurance/quality control samples in accordance with the *National Functional Guidelines for Superfund Organic Methods Data Review* (USEPA, 2014c). As recommended in the 2014 Annual Status Report (Weiss, 2014b), wells 116(B) and 126(B) were sampled quarterly. Well 116(B) was sampled on December 16, 2014, and March 13, June 10, and September 8, 2015. Well 126(B) was dry in June and September 2015, and subsequently, samples from this well were only collected during the December 2014 and March 2015 quarterly events. Quarterly samples between December 2014 and June 2015, were collected using a bladder pump and low-flow purging technique. Groundwater samples from 17 wells were collected for the annual sampling event on August 26, and September 8 and 9, 2015 and analyzed for volatile organic compounds (VOCs). Wells 126(B), WCC-41(A), and RW-23(A) were dry and therefore not sampled. Well WCC-02(B) was not sampled due to an obstruction in the well casing. Samples from two of the wells were analyzed for 1,4-dioxane. Except for GO-4(M) and RW-25(B), all monitoring wells were sampled during the annual sampling event using a HydraSleeve sampler. Each HydraSleeve sampler was deployed within the screened interval of the well casing on September 3 2015, and retrieved on September 8 and 9, 2015. The sample from RW-25(B) was collected using a low-flow purging technique (USEPA, 1995) due to low water level in the well. The sample from GO-4(M) was collected on August 26, 2015 after running the dedicated well pump for thirty minutes.

A total of 31 samples, including nine quality control samples, were submitted this reporting period to TestAmerica Laboratories, Inc. (TA) in Pleasanton, California. TA is certified by the California Department of Public Health, Environmental Laboratory Accreditation Program for the analytical methods conducted. The samples were collected, stored, transported and managed according to United States Environmental Protection Agency (USEPA) protocols. Sample temperature and holding time requirements were met. Tables A-1 and A-2 present a summary of the quality assurance and quality control (QA/QC) results for samples collected this reporting period. Based on these QA/QC results, the sample data are usable for their intended purposes.

Travel Blanks

A travel blank was submitted with each cooler of groundwater samples that was submitted to the analytical laboratory. A total of five travel blanks were analyzed for VOCs by USEPA Method 8260B during the sampling events. No VOCs were detected in any of the travel blanks at or above reporting limits, and no qualifiers were assigned to the results.

Equipment/Field Blanks

One equipment blank of an unused Hydrasleeve was collected to confirm the materials did not contain chemicals of concern (COC). One equipment blank was collected from water used to decontaminate the bladder pump used in the low flow sampling after its use to assess the effectiveness of the decontamination. One field blank was collected to confirm that distilled water used for decontamination contained no detectable COCs. These samples were submitted to TA for VOC analysis by USEPA Method 8260B. No VOCs were detected in any of these samples, and no qualifiers were assigned to the results.

Field Duplicates

One field duplicate was collected using the HydraSleeve sampler and was analyzed for VOCs by USEPA Method 8260B and 1,4-dioxane by USEPA Method 8270C. The relative percent differences between the primary and duplicate sample results were between 0 and 10%. Thus, the primary and duplicate sample results are comparable, and no qualifiers were assigned to the results.

Matrix Spikes

A matrix spike and matrix spike duplicate analysis was performed on one site sample. The percent recovery of the spiked compounds and relative percent difference between the sample pair demonstrate acceptable compound recovery by the laboratory. No qualifiers were assigned to the results.

Table A-1. Summary of QA/QC Sampling Results for 2014–2015 Reporting Period, 101 Bernal Road, San Jose, California

Sampling Consultant (Firm name and address)	Weiss Associates 453 Ravendale Dr., Suite C Mountain View, California 94043
Consultant Contact	Trish Eliasson (510) 450-6138
Chain-of-custody forms completed for all samples?	YES
Field parameters stabilized prior to collecting samples?	YES
Zero headspace in sample containers (applicable to VOCs only)?	YES
Samples preserved according to analytical method?	YES
Required field QA/QC samples taken?	YES

*Explain any "NO" answers:

Table A-2. Summary of QA/QC Analytical Results for 2014-2015 Reporting Period, 101 Bernal Road, San Jose, California

Analytical Laboratory (Firm name/address)	TestAmerica Laboratories, Inc 1220 Quarry Lane Pleasanton, CA 94566
Laboratory Contact:	Micah Smith (925) 484-1919
Analytical methods, December 2014 - September 2015 (by method number and chemical category)	23 samples analyzed by EPA 8260B - volatile organic compounds (including 1 field duplicate) 3 samples analyzed by EPA 8270C - 1,4-dioxane (including 1 field duplicate)
Is the lab state-certified for the above analytical methods?	YES
Analyses performed according to standard methods?	YES
Sample holding times met?	YES
Analytical results reported for all values above the contract method detection limit?	YES
QA/QC analyses run consistent with analytical methods?	YES
QA/QC results meet all acceptance criteria?	YES
QA/QC results and acceptance criteria on file?	YES

*Explain any "NO" answers:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-61955-1
Client Project/Site: STC San Jose

For:
Weiss Associates
2200 Powell Street
Suite 925
Emeryville, California 94608

Attn: Trish Eliasson

Authorized for release by:
12/19/2014 4:20:10 PM

Micah Smith, Project Manager II
(925)484-1919
micah.smith@testamericainc.com

Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-61955-1

Job ID: 720-61955-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-61955-1

Comments
No additional comments.

Receipt
The samples were received on 12/17/2014 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-61955-1

Client Sample ID: 1214-01 — Lab Sample ID: 720-61955-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.54		0.50		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.0		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	2.8		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: 1214-02 — Lab Sample ID: 720-61955-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.74		0.50		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	5.2		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	36		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: TB-1214-01 — Lab Sample ID: 720-61955-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-61955-1

Client Sample ID: 1214-01
Date Collected: 12/16/14 10:08
Date Received: 12/17/14 16:50

Lab Sample ID: 720-61955-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			12/19/14 01:16	1
1,1-Dichloroethane	**0.54**		0.50		ug/L			12/19/14 01:16	1
1,2-Dichloroethane	ND		0.50		ug/L			12/19/14 01:16	1
1,1-Dichloroethene	**2.0**		0.50		ug/L			12/19/14 01:16	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			12/19/14 01:16	1
Tetrachloroethene	ND		0.50		ug/L			12/19/14 01:16	1
1,1,1-Trichloroethane	**2.8**		0.50		ug/L			12/19/14 01:16	1
Trichloroethene	ND		0.50		ug/L			12/19/14 01:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			12/19/14 01:16	1
Vinyl chloride	ND		0.50		ug/L			12/19/14 01:16	1
Xylenes, Total	ND		1.0		ug/L			12/19/14 01:16	1
Isopropyl alcohol	ND		100		ug/L			12/19/14 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*12/19/14 01:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*72 - 130*		*12/19/14 01:16*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/19/14 01:16*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-61955-1

Client Sample ID: 1214-02
Date Collected: 12/16/14 11:00
Date Received: 12/17/14 16:50

Lab Sample ID: 720-61955-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			12/19/14 01:47	1
1,1-Dichloroethane	**0.74**		0.50		ug/L			12/19/14 01:47	1
1,2-Dichloroethane	ND		0.50		ug/L			12/19/14 01:47	1
1,1-Dichloroethene	**5.2**		0.50		ug/L			12/19/14 01:47	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			12/19/14 01:47	1
Tetrachloroethene	ND		0.50		ug/L			12/19/14 01:47	1
1,1,1-Trichloroethane	**36**		0.50		ug/L			12/19/14 01:47	1
Trichloroethene	ND		0.50		ug/L			12/19/14 01:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			12/19/14 01:47	1
Vinyl chloride	ND		0.50		ug/L			12/19/14 01:47	1
Xylenes, Total	ND		1.0		ug/L			12/19/14 01:47	1
Isopropyl alcohol	ND		100		ug/L			12/19/14 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*12/19/14 01:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*72 - 130*		*12/19/14 01:47*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/19/14 01:47*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-61955-1

Client Sample ID: TB-1214-01
Date Collected: 12/16/14 07:30
Date Received: 12/17/14 16:50

Lab Sample ID: 720-61955-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			12/18/14 22:18	1
1,1-Dichloroethane	ND		0.50		ug/L			12/18/14 22:18	1
1,2-Dichloroethane	ND		0.50		ug/L			12/18/14 22:18	1
1,1-Dichloroethene	ND		0.50		ug/L			12/18/14 22:18	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			12/18/14 22:18	1
Tetrachloroethene	ND		0.50		ug/L			12/18/14 22:18	1
1,1,1-Trichloroethane	ND		0.50		ug/L			12/18/14 22:18	1
Trichloroethene	ND		0.50		ug/L			12/18/14 22:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			12/18/14 22:18	1
Vinyl chloride	ND		0.50		ug/L			12/18/14 22:18	1
Xylenes, Total	ND		1.0		ug/L			12/18/14 22:18	1
Isopropyl alcohol	ND		100		ug/L			12/18/14 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*12/18/14 22:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*72 - 130*		*12/18/14 22:18*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*12/18/14 22:18*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-61955-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-172846/4
Matrix: Water
Analysis Batch: 172846

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			12/18/14 16:50	1
1,1-Dichloroethane	ND		0.50		ug/L			12/18/14 16:50	1
1,2-Dichloroethane	ND		0.50		ug/L			12/18/14 16:50	1
1,1-Dichloroethene	ND		0.50		ug/L			12/18/14 16:50	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			12/18/14 16:50	1
Tetrachloroethene	ND		0.50		ug/L			12/18/14 16:50	1
1,1,1-Trichloroethane	ND		0.50		ug/L			12/18/14 16:50	1
Trichloroethene	ND		0.50		ug/L			12/18/14 16:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			12/18/14 16:50	1
Vinyl chloride	ND		0.50		ug/L			12/18/14 16:50	1
Xylenes, Total	ND		1.0		ug/L			12/18/14 16:50	1
Isopropyl alcohol	ND		100		ug/L			12/18/14 16:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*67 - 130*		*12/18/14 16:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*72 - 130*		*12/18/14 16:50*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*12/18/14 16:50*	*1*

Lab Sample ID: LCS 720-172846/5
Matrix: Water
Analysis Batch: 172846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	103		ug/L		83	26 - 180
1,1-Dichloroethane	25.0	25.4		ug/L		102	70 - 130
1,2-Dichloroethane	25.0	26.6		ug/L		107	61 - 132
1,1-Dichloroethene	25.0	23.8		ug/L		95	64 - 128
cis-1,2-Dichloroethene	25.0	26.2		ug/L		105	70 - 130
Tetrachloroethene	25.0	24.7		ug/L		99	70 - 130
1,1,1-Trichloroethane	25.0	28.2		ug/L		113	70 - 130
Trichloroethene	25.0	25.4		ug/L		102	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.9		ug/L		92	42 - 162
Vinyl chloride	25.0	25.2		ug/L		101	54 - 135
m-Xylene & p-Xylene	25.0	24.8		ug/L		99	70 - 142
o-Xylene	25.0	24.6		ug/L		98	70 - 130
Isopropyl alcohol	250	233		ug/L		93	66 - 165

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-172846/6
Matrix: Water
Analysis Batch: 172846

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			125	107		ug/L		86	26 - 180	4	30
1,1-Dichloroethane			25.0	25.6		ug/L		103	70 - 130	1	20
1,2-Dichloroethane			25.0	26.4		ug/L		105	61 - 132	1	20
1,1-Dichloroethene			25.0	23.2		ug/L		93	64 - 128	3	20
cis-1,2-Dichloroethene			25.0	26.0		ug/L		104	70 - 130	1	20
Tetrachloroethene			25.0	24.7		ug/L		99	70 - 130	0	20
1,1,1-Trichloroethane			25.0	28.1		ug/L		112	70 - 130	0	20
Trichloroethene			25.0	25.4		ug/L		102	70 - 130	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	23.2		ug/L		93	42 - 162	1	20
Vinyl chloride			25.0	25.4		ug/L		101	54 - 135	1	20
m-Xylene & p-Xylene			25.0	24.6		ug/L		99	70 - 142	1	20
o-Xylene			25.0	24.6		ug/L		98	70 - 130	0	20
Isopropyl alcohol			250	236		ug/L		94	66 - 165	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

QC Association Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-61955-1

GC/MS VOA

Analysis Batch: 172846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61955-1	1214-01	Total/NA	Water	8260B	
720-61955-2	1214-02	Total/NA	Water	8260B	
720-61955-3	TB-1214-01	Total/NA	Water	8260B	
LCS 720-172846/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-172846/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 720-172846/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-61955-1

Client Sample ID: 1214-01

Lab Sample ID: 720-61955-1

Date Collected: 12/16/14 10:08

Matrix: Water

Date Received: 12/17/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	172846	12/19/14 01:16	ASC	TAL PLS

Client Sample ID: 1214-02

Lab Sample ID: 720-61955-2

Date Collected: 12/16/14 11:00

Matrix: Water

Date Received: 12/17/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	172846	12/19/14 01:47	ASC	TAL PLS

Client Sample ID: TB-1214-01

Lab Sample ID: 720-61955-3

Date Collected: 12/16/14 07:30

Matrix: Water

Date Received: 12/17/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	172846	12/18/14 22:18	ASC	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-61955-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Method Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-61955-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-61955-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-61955-1	1214-01	Water	12/16/14 10:08	12/17/14 16:50
720-61955-2	1214-02	Water	12/16/14 11:00	12/17/14 16:50
720-61955-3	TB-1214-01	Water	12/16/14 07:30	12/17/14 16:50

720-61955

Ref# 158299

Chain of Custody Record

304 gs

Weiss Associates

TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566
Phone: 925-484-1919 ext.137

Please send analytic results, electronic deliverables and the original chain-of-custody form to:
labresults@weiss.com
bpb@weiss.com
tae@weiss.com

INSTRUCTIONS FOR LAB PERSONNEL:
GeoTracker EDF required? ☐Yes ☒No
Equis 4-file EDWEDD required? ☐ Yes ☒No
Weiss Standard EDD required? ☒ Yes ☐ No
Report to ☒ Reporting Limits ☐ Method detection limits
Call immediately with any questions or problems

Company Contact	Project Manager: Trish Eliasson	Protocol ID/path: R:\Schlumberger\08-San Jose\protocols\2013	COC Number:
Weiss Associates	Project ID: 363-2015.08		
453 Ravendale Dr., Suite C	Sampled by: Alan Bainbridge		Page 1 of 1
Mountain View, CA 94043	Sample date(s): 12-16-14		
(650) 968-7000 Phone	Analysis Turnaround Time:		SDG number:
(510) 968-7034 FAX	10 days		
Job Name: STC San Jose	(Specify Days or Hours)		
Address: 101 Bernal Road, San Jose			

Lab ID	Sample Identification	Sample Date	Sample Time	Sample Matrix	# of Cont.	Analyte (Method ID): VOCs by EPA 8260B	Sample Specific Notes:
	1214-01	12-16-14	1008	W	3	X	
	1214-02	12-16-14	1100	W	3	X	
	TB-1214-01	12-16-14	0730	W	3	X	

Field Filtered (X):

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

1,2

720-61955 Chain of Custody

Special Instructions/QC Requirements & Comments: **Report to Reporting Limits, not Method Detection Limits. Only report compounds specified on list provided to Project Manager.**
This site is an EPA superfund site.
Please invoice to STC HQ (not Accenture). Please email invoice to HQAP@slb.com with bill to address = STC HQAP 1200 Enclave, Honston, TX 77077

0.9°c

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	Weiss Associates	12-16-14@1505		Weiss	12/16/14 @ 1455
	Weiss	12/17/14 @1455	Sammy Banderas	TEST America	12.17.14 1955
Sammy Banderas	TEST America	12.17.14 1650		TAO	12/17/14 1650

☒ = Samples released to a secured, locked area.

● = Samples received from a secured, locked area

rev 1

12/19/2014

Login Sample Receipt Checklist

Client: Weiss Associates

Job Number: 720-61955-1

Login Number: 61955

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-63511-1
Client Project/Site: STC San Jose

For:
Weiss Associates
2200 Powell Street
Suite 925
Emeryville, California 94608

Attn: Trish Eliasson

Authorized for release by:
3/30/2015 11:22:08 AM

Micah Smith, Project Manager II
(925)484-1919
micah.smith@testamericainc.com

Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-63511-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-63511-1

Comments
No additional comments.

Receipt
The samples were received on 3/13/2015 1:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 3.2º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-63511-1

Client Sample ID: 0315-01 — Lab Sample ID: 720-63511-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	6.4		0.50		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	18		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	40		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: 0315-02 — Lab Sample ID: 720-63511-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.77		0.50		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	4.8		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	30		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: TB-0315-01 — Lab Sample ID: 720-63511-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-63511-1

Client Sample ID: 0315-01
Date Collected: 03/13/15 09:45
Date Received: 03/13/15 13:45

Lab Sample ID: 720-63511-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			03/21/15 16:49	1
1,1-Dichloroethane	**6.4**		0.50		ug/L			03/21/15 16:49	1
1,2-Dichloroethane	ND		0.50		ug/L			03/21/15 16:49	1
1,1-Dichloroethene	**18**		0.50		ug/L			03/21/15 16:49	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			03/21/15 16:49	1
Tetrachloroethene	ND		0.50		ug/L			03/21/15 16:49	1
1,1,1-Trichloroethane	**40**		0.50		ug/L			03/21/15 16:49	1
Trichloroethene	ND		0.50		ug/L			03/21/15 16:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			03/21/15 16:49	1
Vinyl chloride	ND		0.50		ug/L			03/21/15 16:49	1
Xylenes, Total	ND		1.0		ug/L			03/21/15 16:49	1
Isobutyl alcohol	ND		500		ug/L			03/21/15 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*03/21/15 16:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 130*		*03/21/15 16:49*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/21/15 16:49*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-63511-1

Client Sample ID: 0315-02
Date Collected: 03/13/15 10:29
Date Received: 03/13/15 13:45

Lab Sample ID: 720-63511-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			03/21/15 17:19	1
1,1-Dichloroethane	**0.77**		0.50		ug/L			03/21/15 17:19	1
1,2-Dichloroethane	ND		0.50		ug/L			03/21/15 17:19	1
1,1-Dichloroethene	**4.8**		0.50		ug/L			03/21/15 17:19	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			03/21/15 17:19	1
Tetrachloroethene	ND		0.50		ug/L			03/21/15 17:19	1
1,1,1-Trichloroethane	**30**		0.50		ug/L			03/21/15 17:19	1
Trichloroethene	ND		0.50		ug/L			03/21/15 17:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			03/21/15 17:19	1
Vinyl chloride	ND		0.50		ug/L			03/21/15 17:19	1
Xylenes, Total	ND		1.0		ug/L			03/21/15 17:19	1
Isobutyl alcohol	ND		500		ug/L			03/21/15 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*03/21/15 17:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*03/21/15 17:19*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/21/15 17:19*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-63511-1

Client Sample ID: TB-0315-01
Date Collected: 03/13/15 07:30
Date Received: 03/13/15 13:45

Lab Sample ID: 720-63511-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			03/21/15 16:18	1
1,1-Dichloroethane	ND		0.50		ug/L			03/21/15 16:18	1
1,2-Dichloroethane	ND		0.50		ug/L			03/21/15 16:18	1
1,1-Dichloroethene	ND		0.50		ug/L			03/21/15 16:18	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			03/21/15 16:18	1
Tetrachloroethene	ND		0.50		ug/L			03/21/15 16:18	1
1,1,1-Trichloroethane	ND		0.50		ug/L			03/21/15 16:18	1
Trichloroethene	ND		0.50		ug/L			03/21/15 16:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			03/21/15 16:18	1
Vinyl chloride	ND		0.50		ug/L			03/21/15 16:18	1
Xylenes, Total	ND		1.0		ug/L			03/21/15 16:18	1
Isobutyl alcohol	ND		500		ug/L			03/21/15 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*03/21/15 16:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*		*03/21/15 16:18*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/21/15 16:18*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-178073/4
Matrix: Water
Analysis Batch: 178073

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			03/21/15 11:12	1
1,1-Dichloroethane	ND		0.50		ug/L			03/21/15 11:12	1
1,2-Dichloroethane	ND		0.50		ug/L			03/21/15 11:12	1
1,1-Dichloroethene	ND		0.50		ug/L			03/21/15 11:12	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			03/21/15 11:12	1
Tetrachloroethene	ND		0.50		ug/L			03/21/15 11:12	1
1,1,1-Trichloroethane	ND		0.50		ug/L			03/21/15 11:12	1
Trichloroethene	ND		0.50		ug/L			03/21/15 11:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			03/21/15 11:12	1
Vinyl chloride	ND		0.50		ug/L			03/21/15 11:12	1
Xylenes, Total	ND		1.0		ug/L			03/21/15 11:12	1
Isobutyl alcohol	ND		500		ug/L			03/21/15 11:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*67 - 130*		*03/21/15 11:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 130*		*03/21/15 11:12*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/21/15 11:12*	*1*

Lab Sample ID: LCS 720-178073/5
Matrix: Water
Analysis Batch: 178073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	114		ug/L		91	26 - 180
1,1-Dichloroethane	25.0	24.9		ug/L		100	70 - 130
1,2-Dichloroethane	25.0	23.7		ug/L		95	61 - 132
1,1-Dichloroethene	25.0	22.2		ug/L		89	64 - 128
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	70 - 130
Tetrachloroethene	25.0	25.6		ug/L		102	70 - 130
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	70 - 130
Trichloroethene	25.0	25.6		ug/L		103	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.1		ug/L		92	42 - 162
Vinyl chloride	25.0	24.5		ug/L		98	54 - 135
m-Xylene & p-Xylene	25.0	25.0		ug/L		100	70 - 142
o-Xylene	25.0	25.1		ug/L		100	70 - 130
Isobutyl alcohol	625	651		ug/L		104	70 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*72 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-178073/6
Matrix: Water
Analysis Batch: 178073

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			125	121		ug/L		97	26 - 180	6	30
1,1-Dichloroethane			25.0	25.2		ug/L		101	70 - 130	1	20
1,2-Dichloroethane			25.0	24.5		ug/L		98	61 - 132	3	20
1,1-Dichloroethene			25.0	21.5		ug/L		86	64 - 128	3	20
cis-1,2-Dichloroethene			25.0	24.9		ug/L		100	70 - 130	1	20
Tetrachloroethene			25.0	25.9		ug/L		104	70 - 130	1	20
1,1,1-Trichloroethane			25.0	26.0		ug/L		104	70 - 130	2	20
Trichloroethene			25.0	25.7		ug/L		103	70 - 130	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	22.7		ug/L		91	42 - 162	2	20
Vinyl chloride			25.0	24.6		ug/L		98	54 - 135	1	20
m-Xylene & p-Xylene			25.0	24.7		ug/L		99	70 - 142	1	20
o-Xylene			25.0	24.8		ug/L		99	70 - 130	1	20
Isobutyl alcohol			625	595		ug/L		95	70 - 131	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

QC Association Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-63511-1

GC/MS VOA

Analysis Batch: 178073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-63511-1	0315-01	Total/NA	Water	8260B	
720-63511-2	0315-02	Total/NA	Water	8260B	
720-63511-3	TB-0315-01	Total/NA	Water	8260B	
LCS 720-178073/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-178073/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 720-178073/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-63511-1

Client Sample ID: 0315-01

Lab Sample ID: 720-63511-1

Date Collected: 03/13/15 09:45

Matrix: Water

Date Received: 03/13/15 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	178073	03/21/15 16:49	PDR	TAL PLS

Client Sample ID: 0315-02

Lab Sample ID: 720-63511-2

Date Collected: 03/13/15 10:29

Matrix: Water

Date Received: 03/13/15 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	178073	03/21/15 17:19	PDR	TAL PLS

Client Sample ID: TB-0315-01

Lab Sample ID: 720-63511-3

Date Collected: 03/13/15 07:30

Matrix: Water

Date Received: 03/13/15 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	178073	03/21/15 16:18	PDR	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-63511-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Method Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-63511-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-63511-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-63511-1	0315-01	Water	03/13/15 09:45	03/13/15 13:45
720-63511-2	0315-02	Water	03/13/15 10:29	03/13/15 13:45
720-63511-3	TB-0315-01	Water	03/13/15 07:30	03/13/15 13:45

Chain of Custody Record

720-63511

TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566
Phone: 925-484-1919 ext.137

Please send analytic results, electronic deliverables and the original chain-of-custody form to:
labresults@weiss.com
bpb@weiss.com tae@weiss.com
jmp@weiss.com

INSTRUCTIONS FOR LAB PERSONNEL:
GeoTracker EDF required? ☐Yes ☒No
Equis 4-file EDWEDD required? ☐ Yes ☒No
Weiss Standard EDD required? ☒ Yes ☐ No
Report to ☒ Reporting Limits ☐ Method detection limits
Call immediately with any questions or problems

Weiss Associates

159864

Company Contact	Project Manager: Trish Eliasson	Protocol ID/path: R:\Schlumberger\08-San Jose\protocols\2013	COC Number: 150313-08-1
Weiss Associates	Project ID: 363-2015-8-200.220		
453 Ravendale Dr., Suite C	Sampled by: Ben Powell		Page 1 of 1
Mountain View, CA 94043	Sample date(s): 3-13-15		SDG number:
(650) 968-7000 Phone	Analysis Turnaround Time:		
(510) 968-7034 FAX	10 days		
Job Name: STC San Jose	(Specify Days or Hours)		
Address: 101 Bernal Road, San Jose			

Lab ID	Sample Identification	Sample Date	Sample Time	Sample Matrix	# of Cont.	Analyte (Method ID): VOCs by EPA 8260B	Sample Specific Notes:
	0315-01	3-13-15	0945	W	3	X	
	0315-02	3-13-15	1029	W	3	X	
	TB-0315-01	3-13-15	0730	W	3	X	

Field Filtered (X):

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____ 1,2

720-63511 Chain of Custody

Special Instructions/QC Requirements & Comments: **Report to Reporting Limits, not Method Detection Limits. Only report compounds specified on list provided to Project Manager.**
This site is an EPA superfund site.
Please invoice to STC HQ (not Accenture). Please email invoice to HQAP@slb.com with bill to address = STC HQAP 1200 Enclave, Houston, TX 77077

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Weiss Associates	3-13-15/1220		Weiss	3/13/15 @1230
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Weiss	3/13/15 @1230		TA	3-13-15 12:30
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	3/13/15 1345		TAP	3/13/15 1345

☒ = Samples released to a secured, locked area. ● = Samples received from a secured, locked area rev 1

3.2°C

3/30/2015

Login Sample Receipt Checklist

Client: Weiss Associates

Job Number: 720-63511-1

Login Number: 63511

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-65429-1
Client Project/Site: STC San Jose

For:
Weiss Associates
2200 Powell Street
Suite 925
Emeryville, California 94608

Attn: Trish Eliasson

Authorized for release by:
6/17/2015 1:58:50 PM

Micah Smith, Project Manager II
(925)484-1919
micah.smith@testamericainc.com

Table of Contents

Definitions/Glossary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-65429-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-65429-1

Job ID: 720-65429-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-65429-1

Comments
No additional comments.

Receipt
The samples were received on 6/11/2015 6:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.9º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-65429-1

Client Sample ID: 116B — Lab Sample ID: 720-65429-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.73		0.50		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	4.9		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	29		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: QCTB — Lab Sample ID: 720-65429-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-65429-1

Client Sample ID: 116B
Date Collected: 06/10/15 11:13
Date Received: 06/11/15 18:15

Lab Sample ID: 720-65429-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			06/16/15 00:44	1
1,1-Dichloroethane	**0.73**		0.50		ug/L			06/16/15 00:44	1
1,2-Dichloroethane	ND		0.50		ug/L			06/16/15 00:44	1
1,1-Dichloroethene	**4.9**		0.50		ug/L			06/16/15 00:44	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/16/15 00:44	1
Tetrachloroethene	ND		0.50		ug/L			06/16/15 00:44	1
1,1,1-Trichloroethane	**29**		0.50		ug/L			06/16/15 00:44	1
Trichloroethene	ND		0.50		ug/L			06/16/15 00:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/16/15 00:44	1
Vinyl chloride	ND		0.50		ug/L			06/16/15 00:44	1
Xylenes, Total	ND		1.0		ug/L			06/16/15 00:44	1
Isopropyl alcohol	ND		100		ug/L			06/16/15 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*06/16/15 00:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 130*		*06/16/15 00:44*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*06/16/15 00:44*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-65429-1

Client Sample ID: QCTB
Date Collected: 06/10/15 07:00
Date Received: 06/11/15 18:15

Lab Sample ID: 720-65429-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			06/16/15 00:16	1
1,1-Dichloroethane	ND		0.50		ug/L			06/16/15 00:16	1
1,2-Dichloroethane	ND		0.50		ug/L			06/16/15 00:16	1
1,1-Dichloroethene	ND		0.50		ug/L			06/16/15 00:16	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/16/15 00:16	1
Tetrachloroethene	ND		0.50		ug/L			06/16/15 00:16	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/16/15 00:16	1
Trichloroethene	ND		0.50		ug/L			06/16/15 00:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/16/15 00:16	1
Vinyl chloride	ND		0.50		ug/L			06/16/15 00:16	1
Xylenes, Total	ND		1.0		ug/L			06/16/15 00:16	1
Isopropyl alcohol	ND		100		ug/L			06/16/15 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*06/16/15 00:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*06/16/15 00:16*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*06/16/15 00:16*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-183643/5
Matrix: Water
Analysis Batch: 183643

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			06/15/15 18:38	1
1,1-Dichloroethane	ND		0.50		ug/L			06/15/15 18:38	1
1,2-Dichloroethane	ND		0.50		ug/L			06/15/15 18:38	1
1,1-Dichloroethene	ND		0.50		ug/L			06/15/15 18:38	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/15/15 18:38	1
Tetrachloroethene	ND		0.50		ug/L			06/15/15 18:38	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/15/15 18:38	1
Trichloroethene	ND		0.50		ug/L			06/15/15 18:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/15/15 18:38	1
Vinyl chloride	ND		0.50		ug/L			06/15/15 18:38	1
Xylenes, Total	ND		1.0		ug/L			06/15/15 18:38	1
Isopropyl alcohol	ND		100		ug/L			06/15/15 18:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*06/15/15 18:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 130*		*06/15/15 18:38*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*06/15/15 18:38*	*1*

Lab Sample ID: LCS 720-183643/6
Matrix: Water
Analysis Batch: 183643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	128		ug/L		102	26 - 180
1,1-Dichloroethane	25.0	26.3		ug/L		105	70 - 130
1,2-Dichloroethane	25.0	25.2		ug/L		101	61 - 132
1,1-Dichloroethene	25.0	22.7		ug/L		91	64 - 128
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	70 - 130
Tetrachloroethene	25.0	27.6		ug/L		110	70 - 130
1,1,1-Trichloroethane	25.0	27.0		ug/L		108	70 - 130
Trichloroethene	25.0	27.3		ug/L		109	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.7		ug/L		103	42 - 162
Vinyl chloride	25.0	25.2		ug/L		101	54 - 135
m-Xylene & p-Xylene	25.0	25.8		ug/L		103	70 - 142
o-Xylene	25.0	25.7		ug/L		103	70 - 130
Isopropyl alcohol	250	256		ug/L		102	66 - 165

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*72 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-183643/7
Matrix: Water
Analysis Batch: 183643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			125	125		ug/L		100	26 - 180	2	30
1,1-Dichloroethane			25.0	26.2		ug/L		105	70 - 130	0	20
1,2-Dichloroethane			25.0	25.1		ug/L		100	61 - 132	0	20
1,1-Dichloroethene			25.0	22.5		ug/L		90	64 - 128	1	20
cis-1,2-Dichloroethene			25.0	25.4		ug/L		102	70 - 130	1	20
Tetrachloroethene			25.0	27.1		ug/L		109	70 - 130	2	20
1,1,1-Trichloroethane			25.0	26.8		ug/L		107	70 - 130	1	20
Trichloroethene			25.0	27.5		ug/L		110	70 - 130	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	25.2		ug/L		101	42 - 162	2	20
Vinyl chloride			25.0	24.3		ug/L		97	54 - 135	4	20
m-Xylene & p-Xylene			25.0	25.6		ug/L		102	70 - 142	1	20
o-Xylene			25.0	25.6		ug/L		102	70 - 130	0	20
Isopropyl alcohol			250	253		ug/L		101	66 - 165	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

QC Association Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-65429-1

GC/MS VOA

Analysis Batch: 183643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-65429-1	116B	Total/NA	Water	8260B	
720-65429-2	QCTB	Total/NA	Water	8260B	
LCS 720-183643/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-183643/7	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 720-183643/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-65429-1

Client Sample ID: 116B
Date Collected: 06/10/15 11:13
Date Received: 06/11/15 18:15

Lab Sample ID: 720-65429-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	183643	06/16/15 00:44	PRD	TAL PLS

Client Sample ID: QCTB
Date Collected: 06/10/15 07:00
Date Received: 06/11/15 18:15

Lab Sample ID: 720-65429-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	183643	06/16/15 00:16	PRD	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-65429-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Method Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-65429-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-65429-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-65429-1	116B	Water	06/10/15 11:13	06/11/15 18:15
720-65429-2	QCTB	Water	06/10/15 07:00	06/11/15 18:15

720-65429

Chain of Custody Record

161764

Weiss Associates

TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566
Phone: 925-484-1919 ext.137

Please send analytic results, electronic deliverables and the original chain-of-custody form to:
labresults@weiss.com
bpb@weiss.com
tae@weiss.com

INSTRUCTIONS FOR LAB PERSONNEL:
GeoTracker EDF required? ☒Yes ☐No
Equis 4-file EDWEDD required? ☐ Yes ☒No
Weiss Standard EDD required? ☒ Yes ☐ No
Report to ☒ Reporting Limits ☐ Method detection limits
Call immediately with any questions or problems.

Company Contact	Project Manager: Trish Eliasson	Protocol ID/path: R:\Schlumberger\08-San Jose\protocols\2013	COC Number:
Weiss Associates	Project ID: 363-2015.08		
453 Ravendale Dr., Suite C	Sampled by: Alan Bainbridge		Page 1 of 1
Mountain View, CA 94043	Sample date(s): 6-10-15		
(650) 968-7000 Phone	Analysis Turnaround Time:		SDG number:
(510) 968-7034 FAX			
Job Name: STC San Jose	10 days		
Address: 101 Bernal Road, San Jose	(Specify Days or Hours)		

Lab ID	Sample Identification	Sample Date	Sample Time	Sample Matrix	# of Cont.	Analyte (Method ID): VOCs by EPA 8260B	Sample Specific Notes:
	~~126B~~			~~W~~	~~3~~	~~X~~ (ADD 8/20)	
	116B	6-10-15	1113	W	3	X	
	QCTB	6-10-15	0709	W	3	X	

720-65429 Chain of Custody

Field Filtered (X):

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____ 1,2

Special Instructions/QC Requirements & Comments: **Report to Reporting Limits, not Method Detection Limits. Only report compounds specified on list provided to Project Manager.**
This site is an EPA superfund site.
Please invoice to STC HQ (not Accenture). Please email invoice to HQAP@slb.com with bill to address = STC HQAP 1200 Enclave, Houston, TX 77077

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
☐	Weiss Associates	6-10-15@13:00	●	Weiss Assoc.	6/11/15 1434
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
☐	Weiss Assoc.	6/11/15 1430	○	TA	6-11-15 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
☐	TA	6-11-15 1815	○	TA	6/11/15 1815

☒ = Samples released to a secured, locked area.
● = Samples received from a secured, locked area

rev.1

1.9°C

6/17/2015

Login Sample Receipt Checklist

Client: Weiss Associates

Job Number: 720-65429-1

Login Number: 65429
List Number: 1
Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-67143-1
Client Project/Site: STC San Jose

For:
Weiss Associates
2200 Powell Street
Suite 925
Emeryville, California 94608

Attn: Trish Eliasson

Authorized for release by:
9/16/2015 4:23:37 PM

Micah Smith, Project Manager II
(925)484-1919
micah.smith@testamericainc.com

Table of Contents

Definitions/Glossary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67143-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67143-1

Job ID: 720-67143-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-67143-1

Comments
No additional comments.

Receipt
The samples were received on 9/1/2015 4:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.4° C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67143-1

Client Sample ID: GO-4M — Lab Sample ID: 720-67143-1

No Detections.

Client Sample ID: QCTB — Lab Sample ID: 720-67143-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67143-1

Client Sample ID: GO-4M
Date Collected: 08/26/15 10:20
Date Received: 09/01/15 16:10

Lab Sample ID: 720-67143-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/04/15 01:47	1
1,1-Dichloroethane	ND		0.50		ug/L			09/04/15 01:47	1
1,2-Dichloroethane	ND		0.50		ug/L			09/04/15 01:47	1
1,1-Dichloroethene	ND		0.50		ug/L			09/04/15 01:47	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/04/15 01:47	1
Tetrachloroethene	ND		0.50		ug/L			09/04/15 01:47	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/04/15 01:47	1
Trichloroethene	ND		0.50		ug/L			09/04/15 01:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/04/15 01:47	1
Vinyl chloride	ND		0.50		ug/L			09/04/15 01:47	1
Xylenes, Total	ND		1.0		ug/L			09/04/15 01:47	1
Isopropyl alcohol	ND		100		ug/L			09/04/15 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*		*09/04/15 01:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*09/04/15 01:47*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/04/15 01:47*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67143-1

Client Sample ID: QCTB
Date Collected: 08/26/15 07:00
Date Received: 09/01/15 16:10

Lab Sample ID: 720-67143-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/03/15 22:20	1
1,1-Dichloroethane	ND		0.50		ug/L			09/03/15 22:20	1
1,2-Dichloroethane	ND		0.50		ug/L			09/03/15 22:20	1
1,1-Dichloroethene	ND		0.50		ug/L			09/03/15 22:20	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/03/15 22:20	1
Tetrachloroethene	ND		0.50		ug/L			09/03/15 22:20	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/03/15 22:20	1
Trichloroethene	ND		0.50		ug/L			09/03/15 22:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/03/15 22:20	1
Vinyl chloride	ND		0.50		ug/L			09/03/15 22:20	1
Xylenes, Total	ND		1.0		ug/L			09/03/15 22:20	1
Isopropyl alcohol	ND		100		ug/L			09/03/15 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*67 - 130*		*09/03/15 22:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 130*		*09/03/15 22:20*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/03/15 22:20*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-188249/4
Matrix: Water
Analysis Batch: 188249

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/03/15 19:22	1
1,1-Dichloroethane	ND		0.50		ug/L			09/03/15 19:22	1
1,2-Dichloroethane	ND		0.50		ug/L			09/03/15 19:22	1
1,1-Dichloroethene	ND		0.50		ug/L			09/03/15 19:22	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/03/15 19:22	1
Tetrachloroethene	ND		0.50		ug/L			09/03/15 19:22	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/03/15 19:22	1
Trichloroethene	ND		0.50		ug/L			09/03/15 19:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/03/15 19:22	1
Vinyl chloride	ND		0.50		ug/L			09/03/15 19:22	1
Xylenes, Total	ND		1.0		ug/L			09/03/15 19:22	1
Isopropyl alcohol	ND		100		ug/L			09/03/15 19:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 130*		*09/03/15 19:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*72 - 130*		*09/03/15 19:22*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/03/15 19:22*	*1*

Lab Sample ID: LCS 720-188249/5
Matrix: Water
Analysis Batch: 188249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	22.3		ug/L		89	62 - 130
Acetone	125	129		ug/L		103	26 - 180
Benzene	25.0	24.3		ug/L		97	79 - 130
Dichlorobromomethane	25.0	23.2		ug/L		93	70 - 130
Bromobenzene	25.0	26.1		ug/L		104	70 - 130
Chlorobromomethane	25.0	23.3		ug/L		93	70 - 130
Bromoform	25.0	22.6		ug/L		91	68 - 136
Bromomethane	25.0	24.7		ug/L		99	43 - 151
2-Butanone (MEK)	125	111		ug/L		89	54 - 130
n-Butylbenzene	25.0	26.2		ug/L		105	70 - 142
sec-Butylbenzene	25.0	26.6		ug/L		106	70 - 134
tert-Butylbenzene	25.0	24.9		ug/L		100	70 - 135
Carbon disulfide	25.0	19.5		ug/L		78	58 - 130
Carbon tetrachloride	25.0	22.9		ug/L		92	70 - 146
Chlorobenzene	25.0	26.3		ug/L		105	70 - 130
Chloroethane	25.0	24.0		ug/L		96	62 - 138
Chloroform	25.0	23.3		ug/L		93	70 - 130
Chloromethane	25.0	26.4		ug/L		106	52 - 175
2-Chlorotoluene	25.0	25.7		ug/L		103	70 - 130
4-Chlorotoluene	25.0	26.2		ug/L		105	70 - 130
Chlorodibromomethane	25.0	23.7		ug/L		95	70 - 145
1,2-Dichlorobenzene	25.0	26.8		ug/L		107	70 - 130
1,3-Dichlorobenzene	25.0	28.1		ug/L		112	70 - 130
1,4-Dichlorobenzene	25.0	27.8		ug/L		111	70 - 130
1,3-Dichloropropane	25.0	24.0		ug/L		96	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-188249/5
Matrix: Water
Analysis Batch: 188249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	25.0	23.6		ug/L		94	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	20.1		ug/L		81	70 - 136
Ethylene Dibromide	25.0	23.3		ug/L		93	70 - 130
Dibromomethane	25.0	22.9		ug/L		92	70 - 130
Dichlorodifluoromethane	25.0	20.7		ug/L		83	34 - 132
1,1-Dichloroethane	25.0	23.8		ug/L		95	70 - 130
1,2-Dichloroethane	25.0	24.3		ug/L		97	61 - 132
1,1-Dichloroethene	25.0	20.3		ug/L		81	64 - 128
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	70 - 130
trans-1,2-Dichloroethene	25.0	23.0		ug/L		92	68 - 130
1,2-Dichloropropane	25.0	24.3		ug/L		97	70 - 130
cis-1,3-Dichloropropene	25.0	24.1		ug/L		96	70 - 130
trans-1,3-Dichloropropene	25.0	25.6		ug/L		102	70 - 140
Ethylbenzene	25.0	25.0		ug/L		100	80 - 120
Hexachlorobutadiene	25.0	24.2		ug/L		97	70 - 130
2-Hexanone	125	123		ug/L		98	60 - 164
Isopropylbenzene	25.0	24.6		ug/L		98	70 - 130
4-Isopropyltoluene	25.0	25.8		ug/L		103	70 - 130
Methylene Chloride	25.0	24.1		ug/L		96	70 - 147
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	58 - 130
Naphthalene	25.0	23.3		ug/L		93	70 - 130
N-Propylbenzene	25.0	26.1		ug/L		104	70 - 130
Styrene	25.0	22.8		ug/L		91	70 - 130
1,1,1,2-Tetrachloroethane	25.0	25.5		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		96	70 - 130
Tetrachloroethene	25.0	22.5		ug/L		90	70 - 130
Toluene	25.0	23.9		ug/L		96	78 - 120
1,2,3-Trichlorobenzene	25.0	25.8		ug/L		103	70 - 130
1,2,4-Trichlorobenzene	25.0	27.1		ug/L		108	70 - 130
1,1,1-Trichloroethane	25.0	22.3		ug/L		89	70 - 130
1,1,2-Trichloroethane	25.0	22.7		ug/L		91	70 - 130
Trichloroethene	25.0	24.9		ug/L		100	70 - 130
Trichlorofluoromethane	25.0	23.8		ug/L		95	66 - 132
1,2,3-Trichloropropane	25.0	24.5		ug/L		98	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.6		ug/L		78	42 - 162
1,2,4-Trimethylbenzene	25.0	25.9		ug/L		103	70 - 132
1,3,5-Trimethylbenzene	25.0	25.2		ug/L		101	70 - 130
Vinyl acetate	25.0	28.7		ug/L		115	43 - 163
Vinyl chloride	25.0	24.4		ug/L		97	54 - 135
m-Xylene & p-Xylene	25.0	24.8		ug/L		99	70 - 142
o-Xylene	25.0	24.4		ug/L		98	70 - 130
2,2-Dichloropropane	25.0	24.9		ug/L		99	70 - 140
Isopropyl alcohol	313	417		ug/L		134	66 - 165

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-188249/5
Matrix: Water
Analysis Batch: 188249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: LCSD 720-188249/6
Matrix: Water
Analysis Batch: 188249

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			25.0	22.9		ug/L		91	62 - 130	3	20
Acetone			125	136		ug/L		109	26 - 180	6	30
Benzene			25.0	24.1		ug/L		97	79 - 130	1	20
Dichlorobromomethane			25.0	23.3		ug/L		93	70 - 130	0	20
Bromobenzene			25.0	26.6		ug/L		106	70 - 130	2	20
Chlorobromomethane			25.0	23.3		ug/L		93	70 - 130	0	20
Bromoform			25.0	23.9		ug/L		96	68 - 136	5	20
Bromomethane			25.0	24.7		ug/L		99	43 - 151	0	20
2-Butanone (MEK)			125	118		ug/L		94	54 - 130	6	20
n-Butylbenzene			25.0	26.2		ug/L		105	70 - 142	0	20
sec-Butylbenzene			25.0	26.6		ug/L		107	70 - 134	0	20
tert-Butylbenzene			25.0	25.1		ug/L		100	70 - 135	1	20
Carbon disulfide			25.0	19.1		ug/L		76	58 - 130	2	20
Carbon tetrachloride			25.0	22.8		ug/L		91	70 - 146	1	20
Chlorobenzene			25.0	27.2		ug/L		109	70 - 130	3	20
Chloroethane			25.0	23.9		ug/L		96	62 - 138	1	20
Chloroform			25.0	23.1		ug/L		92	70 - 130	1	20
Chloromethane			25.0	24.4		ug/L		98	52 - 175	8	20
2-Chlorotoluene			25.0	25.9		ug/L		104	70 - 130	1	20
4-Chlorotoluene			25.0	26.6		ug/L		106	70 - 130	1	20
Chlorodibromomethane			25.0	24.0		ug/L		96	70 - 145	2	20
1,2-Dichlorobenzene			25.0	26.8		ug/L		107	70 - 130	0	20
1,3-Dichlorobenzene			25.0	28.0		ug/L		112	70 - 130	0	20
1,4-Dichlorobenzene			25.0	27.5		ug/L		110	70 - 130	1	20
1,3-Dichloropropane			25.0	24.6		ug/L		98	70 - 130	3	20
1,1-Dichloropropene			25.0	23.5		ug/L		94	70 - 130	0	20
1,2-Dibromo-3-Chloropropane			25.0	22.2		ug/L		89	70 - 136	10	20
Ethylene Dibromide			25.0	23.9		ug/L		96	70 - 130	3	20
Dibromomethane			25.0	23.2		ug/L		93	70 - 130	1	20
Dichlorodifluoromethane			25.0	20.4		ug/L		82	34 - 132	1	20
1,1-Dichloroethane			25.0	23.7		ug/L		95	70 - 130	1	20
1,2-Dichloroethane			25.0	24.4		ug/L		98	61 - 132	0	20
1,1-Dichloroethene			25.0	20.0		ug/L		80	64 - 128	1	20
cis-1,2-Dichloroethene			25.0	23.9		ug/L		96	70 - 130	0	20
trans-1,2-Dichloroethene			25.0	23.0		ug/L		92	68 - 130	0	20
1,2-Dichloropropane			25.0	23.7		ug/L		95	70 - 130	2	20
cis-1,3-Dichloropropene			25.0	24.5		ug/L		98	70 - 130	1	20
trans-1,3-Dichloropropene			25.0	26.0		ug/L		104	70 - 140	2	20
Ethylbenzene			25.0	25.7		ug/L		103	80 - 120	3	20
Hexachlorobutadiene			25.0	24.3		ug/L		97	70 - 130	0	20
2-Hexanone			125	128		ug/L		103	60 - 164	4	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-188249/6
Matrix: Water
Analysis Batch: 188249

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropylbenzene			25.0	25.0		ug/L		100	70 - 130	2	20
4-Isopropyltoluene			25.0	25.9		ug/L		104	70 - 130	0	20
Methylene Chloride			25.0	23.5		ug/L		94	70 - 147	2	20
4-Methyl-2-pentanone (MIBK)			125	136		ug/L		109	58 - 130	5	20
Naphthalene			25.0	24.9		ug/L		100	70 - 130	7	20
N-Propylbenzene			25.0	26.4		ug/L		106	70 - 130	1	20
Styrene			25.0	23.2		ug/L		93	70 - 130	2	20
1,1,1,2-Tetrachloroethane			25.0	26.4		ug/L		106	70 - 130	4	20
1,1,2,2-Tetrachloroethane			25.0	24.9		ug/L		100	70 - 130	4	20
Tetrachloroethene			25.0	22.6		ug/L		90	70 - 130	0	20
Toluene			25.0	24.6		ug/L		98	78 - 120	3	20
1,2,3-Trichlorobenzene			25.0	26.5		ug/L		106	70 - 130	3	20
1,2,4-Trichlorobenzene			25.0	28.0		ug/L		112	70 - 130	3	20
1,1,1-Trichloroethane			25.0	22.3		ug/L		89	70 - 130	0	20
1,1,2-Trichloroethane			25.0	22.8		ug/L		91	70 - 130	0	20
Trichloroethene			25.0	25.0		ug/L		100	70 - 130	0	20
Trichlorofluoromethane			25.0	23.5		ug/L		94	66 - 132	1	20
1,2,3-Trichloropropane			25.0	25.8		ug/L		103	70 - 130	5	20
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	19.1		ug/L		77	42 - 162	2	20
1,2,4-Trimethylbenzene			25.0	25.9		ug/L		104	70 - 132	0	20
1,3,5-Trimethylbenzene			25.0	25.3		ug/L		101	70 - 130	0	20
Vinyl acetate			25.0	28.9		ug/L		116	43 - 163	1	20
Vinyl chloride			25.0	23.8		ug/L		95	54 - 135	2	20
m-Xylene & p-Xylene			25.0	25.2		ug/L		101	70 - 142	2	20
o-Xylene			25.0	25.2		ug/L		101	70 - 130	3	20
2,2-Dichloropropane			25.0	23.9		ug/L		96	70 - 140	4	20
Isopropyl alcohol			313	407		ug/L		130	66 - 165	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

QC Association Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67143-1

GC/MS VOA

Analysis Batch: 188249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-67143-1	GO-4M	Total/NA	Water	8260B	
720-67143-2	QCTB	Total/NA	Water	8260B	
LCS 720-188249/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-188249/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 720-188249/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67143-1

Client Sample ID: GO-4M
Date Collected: 08/26/15 10:20
Date Received: 09/01/15 16:10

Lab Sample ID: 720-67143-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188249	09/04/15 01:47	LPL	TAL PLS

Client Sample ID: QCTB
Date Collected: 08/26/15 07:00
Date Received: 09/01/15 16:10

Lab Sample ID: 720-67143-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188249	09/03/15 22:20	LPL	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67143-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Method Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67143-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67143-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-67143-1	GO-4M	Water	08/26/15 10:20	09/01/15 16:10
720-67143-2	QCTB	Water	08/26/15 07:00	09/01/15 16:10

720-67143

16351B

Chain of Custody Record

TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566
Phone: 925-484-1919 ext.137

Please send analytic results, electronic deliverables and the original chain-of-custody form to:
labresults@weiss.com
bpb@weiss.com
tae@weiss.com

INSTRUCTIONS FOR LAB PERSONNEL:
GeoTracker EDF required? ☒Yes ☐No
Equis 4-file EDWEDD required? ☐ Yes ☒No
Weiss Standard EDD required? ☒ Yes ☐ No
Report to ☒ Reporting Limits ☐ Method detection limits
Call immediately with any questions or problems.

Weiss Associates

Company Contact	Project Manager: Trish Eliasson	Protocol ID/path: R:\Schlumberger\08-San Jose\protocols\2013	COC Number: 08A2013
Weiss Associates	Project ID: 363-2015.08		
453 Ravendale Dr., Suite C	Sampled by: JEFF PACKER		Page 1 of 1
Mountain View, CA 94043	Sample date(s): 8/26/15		SDG number:
(650) 968-7000 Phone	Analysis Turnaround Time:		
(510) 968-7034 FAX	10 days (Specify Days or Hours)		
Job Name: STC San Jose			
Address: 101 Bernal Road, San Jose			

Lab ID	Sample Identification	Sample Date	Sample Time	Sample Matrix	# of Cont.	Analyte (Method ID) VOCs by EPA 8260B	Sample Specific Notes:
	GO-4M	8/26/15	1020	W	3	X	
	QCTB	↓	0700	W	1	X	

720-67143 Chain of Custody

ed (X): 1,2

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Special Instructions/QC Requirements & Comments: **Report to Reporting Limits, not Method Detection Limits. Only report compounds specified on list provided to Project Manager.**
This site is an EPA superfund site.
Please invoice to STC HQ (not Accenture). Please email invoice to HQAP@slb.com with bill to address = STC HQAP 1200 Enclave, Houston, TX 77077

1, 4°C

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
(JMP) ☒	WEISS	8/26/15 @1115			9/1/15 1306
☐			○		
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
☐		9/1/15 1308	○	TA	9/1/15 1306
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
☐	TA	9/1/15 1610	●	TA	9/1/15 1610

☒ = Samples released to a secured, locked area. ● Samples received from a secured, locked area rev.1

Smith, Micah

From: Trish A. Eliasson [tae@weiss.com]
Sent: Tuesday, September 08, 2015 1:28 PM
To: Smith, Micah
Cc: Kimberly S. Ryan
Subject: RE: TotalAccess results available for STC San Jose. Weiss Associates - Emeryville [720-67143-1]

Micah,

For this job number (below) and for the Schlumberger San Jose samples that are coming in to your lab this week, please report to RL, not MDL. In addition, please only report the following compounds for the 8260 analysis:

1,1-DCA
1,2-DCA
1,1-DCE
Cis-1,2-DCE
PCE
1,1,1-TCA
TCE
Freon 113
Vinyl chloride
Xylenes (total)
Isopropyl alcohol
Acetone

Note that select samples from San Jose this week will have analysis requested for 1,4-dioxane.

Please let me know if you have questions about this job, it is Weiss project number 363-2015.08 STC San Jose indicated on the COC.

Thank you!
Trish

Trish Eliasson, PE
Senior Project Engineer
Weiss Associates
2200 Powell Street, Suite 925
Emeryville, CA 94608
direct: (510) 450-6138
fax: (510) 547-5043
tae@weiss.com
www.weiss.com

From: TotalAccess [mailto:totalaccess@testamericainc.com]
Sent: Tuesday, September 08, 2015 12:14 PM
To: Trish A. Eliasson

Subject: TotalAccess results available for STC San Jose. Weiss Associates - Emeryville [720-67143-1]

Job
720-67143-1
Pleasanton

Job Description:	STC San Jose	Project Number:	363-2015.08

Report To:	**Invoice To:**
Trish Eliasson	HQ - AP
Weiss Associates - Emeryville	Schlumberger Technology Corporation
2200 Powell Street Suite 925	1200 Enclave Parkway
Emeryville, California 94608	Houston, TX 77077
Phone:	Phone:
Fax:	Fax:

Lab PM:	Micah Smith	Date Due:	09/16/15 23:59
Status:	Reported	Date Received:	09/01/15 16:10
Status Date:	09/08/15 10:59	Date Logged:	09/01/15 19:39

Analysis	Expires	Status	Status Date
GO-4M (720-67143-1) Water	**Sampled: 08/26/15 10:20**		
Volatile Organic Compounds (GC/MS)	09/09/15 23:59	Lab Complete	09/08/15 10:59
QCTB (720-67143-2) Water	**Sampled: 08/26/15 07:00**		
Volatile Organic Compounds (GC/MS)	09/09/15 23:59	Lab Complete	09/08/15 10:59

This is an automatically generated e-mail sent to you per your request on the TotalAccess site (https://secure.testamericainc.com/totalaccess). If you do not wish to receive these emails, please change the option under the TotalAccess Preferences page. If you receive multiple e-mails for this project, please contact your project manager.

Login Sample Receipt Checklist

Client: Weiss Associates

Job Number: 720-67143-1

Login Number: 67143
List Number: 1
Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-67308-1
Client Project/Site: STC San Jose

For:
Weiss Associates
2200 Powell Street
Suite 925
Emeryville, California 94608

Attn: Trish Eliasson

Authorized for release by:
9/18/2015 6:13:14 PM

Micah Smith, Project Manager II
(925)484-1919
micah.smith@testamericainc.com

Table of Contents

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-67308-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-67308-1

Comments
No additional comments.

Receipt
The samples were received on 9/9/2015 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5º C.

Receipt Exceptions
The following sample was listed on the Chain of Custody (COC); however, no sample(s) was received: QCTB-2 was not received.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 440-279821 and analytical batch 440-279957. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: QCTB-1 — Lab Sample ID: 720-67308-1

No Detections.

Client Sample ID: 127B — Lab Sample ID: 720-67308-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.5		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: 128B — Lab Sample ID: 720-67308-3

No Detections.

Client Sample ID: 129B — Lab Sample ID: 720-67308-4

No Detections.

Client Sample ID: 119B — Lab Sample ID: 720-67308-5

No Detections.

Client Sample ID: 120B — Lab Sample ID: 720-67308-6

No Detections.

Client Sample ID: 122B — Lab Sample ID: 720-67308-7

No Detections.

Client Sample ID: QCFB-1 — Lab Sample ID: 720-67308-8

No Detections.

Client Sample ID: WCC-42B — Lab Sample ID: 720-67308-9

No Detections.

Client Sample ID: 131B — Lab Sample ID: 720-67308-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.0		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	9.4		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: 116B — Lab Sample ID: 720-67308-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.76		0.50		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	6.0		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	27		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: RW-25B-90 — Lab Sample ID: 720-67308-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.4		0.50		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	10		0.50		ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: RW-25B-90 (Continued) — Lab Sample ID: 720-67308-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.8		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: WCC-1B — Lab Sample ID: 720-67308-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.97		0.50		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	4.4		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	12		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: 146B — Lab Sample ID: 720-67308-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.88		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	4.2		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: 145B — Lab Sample ID: 720-67308-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.3		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	6.7		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: QCEB — Lab Sample ID: 720-67308-16

No Detections.

Client Sample ID: AE-2B — Lab Sample ID: 720-67308-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	120		0.50		ug/L	1		8260B	Total/NA
1,2-Dichloroethane	1.1		0.50		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	300		5.0		ug/L	10		8260B	Total/NA
Tetrachloroethene	1.1		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	66		0.50		ug/L	1		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.3		0.50		ug/L	1		8260B	Total/NA
Vinyl chloride	0.60		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: QCFB-2 — Lab Sample ID: 720-67308-19

No Detections.

Client Sample ID: AE-1B — Lab Sample ID: 720-67308-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	46		0.50		ug/L	1		8260B	Total/NA
1,2-Dichloroethane	2.8		0.50		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	520		5.0		ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	0.63		0.50		ug/L	1		8260B	Total/NA
Tetrachloroethene	0.54		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	33		0.50		ug/L	1		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.61		0.50		ug/L	1		8260B	Total/NA
1,4-Dioxane	7.2		1.0		ug/L	1		8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: AE-1B-1 — Lab Sample ID: 720-67308-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	46		0.50		ug/L	1		8260B	Total/NA
1,2-Dichloroethane	2.8		0.50		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	510		5.0		ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	0.63		0.50		ug/L	1		8260B	Total/NA
Tetrachloroethene	0.51		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	32		0.50		ug/L	1		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.55		0.50		ug/L	1		8260B	Total/NA
1,4-Dioxane	6.2		1.0		ug/L	1		8270C	Total/NA

Client Sample ID: 75B — Lab Sample ID: 720-67308-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.61		0.50		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	3.0		0.50		ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: QCTB-1
Date Collected: 09/08/15 07:00
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 00:03	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 00:03	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 00:03	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/15 00:03	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 00:03	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 00:03	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/15 00:03	1
Trichloroethene	ND		0.50		ug/L			09/11/15 00:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 00:03	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 00:03	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 00:03	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 130*		*09/11/15 00:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*72 - 130*		*09/11/15 00:03*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*09/11/15 00:03*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: 127B
Date Collected: 09/08/15 10:35
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 00:33	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 00:33	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 00:33	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/15 00:33	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 00:33	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 00:33	1
1,1,1-Trichloroethane	**1.5**		0.50		ug/L			09/11/15 00:33	1
Trichloroethene	ND		0.50		ug/L			09/11/15 00:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 00:33	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 00:33	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 00:33	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*67 - 130*		*09/11/15 00:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 130*		*09/11/15 00:33*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/11/15 00:33*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: 128B
Date Collected: 09/08/15 10:55
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 01:02	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 01:02	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 01:02	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/15 01:02	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 01:02	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 01:02	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/15 01:02	1
Trichloroethene	ND		0.50		ug/L			09/11/15 01:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 01:02	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 01:02	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 01:02	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 130*		*09/11/15 01:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*		*09/11/15 01:02*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*09/11/15 01:02*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.0		ug/L		09/13/15 09:02	09/14/15 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*67*		*30 - 120*	*09/13/15 09:02*	*09/14/15 20:27*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: 129B
Date Collected: 09/08/15 11:30
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 01:33	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 01:33	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 01:33	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/15 01:33	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 01:33	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 01:33	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/15 01:33	1
Trichloroethene	ND		0.50		ug/L			09/11/15 01:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 01:33	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 01:33	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 01:33	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*67 - 130*		*09/11/15 01:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*		*09/11/15 01:33*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*09/11/15 01:33*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: 119B
Date Collected: 09/08/15 11:55
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 02:02	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 02:02	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 02:02	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/15 02:02	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 02:02	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 02:02	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/15 02:02	1
Trichloroethene	ND		0.50		ug/L			09/11/15 02:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 02:02	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 02:02	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 02:02	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*67 - 130*		*09/11/15 02:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*72 - 130*		*09/11/15 02:02*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/11/15 02:02*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: 120B
Date Collected: 09/08/15 12:20
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 02:31	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 02:31	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 02:31	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/15 02:31	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 02:31	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 02:31	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/15 02:31	1
Trichloroethene	ND		0.50		ug/L			09/11/15 02:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 02:31	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 02:31	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 02:31	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 130*		*09/11/15 02:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*		*09/11/15 02:31*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/11/15 02:31*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: 122B
Date Collected: 09/08/15 12:45
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 03:01	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 03:01	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 03:01	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/15 03:01	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 03:01	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 03:01	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/15 03:01	1
Trichloroethene	ND		0.50		ug/L			09/11/15 03:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 03:01	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 03:01	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 03:01	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*67 - 130*		*09/11/15 03:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*		*09/11/15 03:01*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/11/15 03:01*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: QCFB-1
Date Collected: 09/08/15 12:55
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/10/15 23:32	1
1,1-Dichloroethane	ND		0.50		ug/L			09/10/15 23:32	1
1,2-Dichloroethane	ND		0.50		ug/L			09/10/15 23:32	1
1,1-Dichloroethene	ND		0.50		ug/L			09/10/15 23:32	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/10/15 23:32	1
Tetrachloroethene	ND		0.50		ug/L			09/10/15 23:32	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/10/15 23:32	1
Trichloroethene	ND		0.50		ug/L			09/10/15 23:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/10/15 23:32	1
Vinyl chloride	ND		0.50		ug/L			09/10/15 23:32	1
Xylenes, Total	ND		1.0		ug/L			09/10/15 23:32	1
Isopropyl alcohol	ND		100		ug/L			09/10/15 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*67 - 130*		*09/10/15 23:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*		*09/10/15 23:32*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/10/15 23:32*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: WCC-42B
Date Collected: 09/08/15 13:15
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 03:31	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 03:31	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 03:31	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/15 03:31	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 03:31	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 03:31	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/15 03:31	1
Trichloroethene	ND		0.50		ug/L			09/11/15 03:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 03:31	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 03:31	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 03:31	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*67 - 130*		*09/11/15 03:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*		*09/11/15 03:31*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/11/15 03:31*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: 131B
Date Collected: 09/08/15 13:40
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 04:00	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 04:00	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 04:00	1
1,1-Dichloroethene	**2.0**		0.50		ug/L			09/11/15 04:00	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 04:00	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 04:00	1
1,1,1-Trichloroethane	**9.4**		0.50		ug/L			09/11/15 04:00	1
Trichloroethene	ND		0.50		ug/L			09/11/15 04:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 04:00	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 04:00	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 04:00	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*67 - 130*		*09/11/15 04:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*09/11/15 04:00*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/11/15 04:00*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: 116B
Date Collected: 09/08/15 14:00
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 04:29	1
1,1-Dichloroethane	**0.76**		0.50		ug/L			09/11/15 04:29	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 04:29	1
1,1-Dichloroethene	**6.0**		0.50		ug/L			09/11/15 04:29	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 04:29	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 04:29	1
1,1,1-Trichloroethane	**27**		0.50		ug/L			09/11/15 04:29	1
Trichloroethene	ND		0.50		ug/L			09/11/15 04:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 04:29	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 04:29	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 04:29	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 04:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*67 - 130*		*09/11/15 04:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*72 - 130*		*09/11/15 04:29*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*09/11/15 04:29*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: RW-25B-90
Date Collected: 09/08/15 11:45
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 04:59	1
1,1-Dichloroethane	**3.4**		0.50		ug/L			09/11/15 04:59	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 04:59	1
1,1-Dichloroethene	**10**		0.50		ug/L			09/11/15 04:59	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 04:59	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 04:59	1
1,1,1-Trichloroethane	**9.8**		0.50		ug/L			09/11/15 04:59	1
Trichloroethene	ND		0.50		ug/L			09/11/15 04:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 04:59	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 04:59	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 04:59	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*67 - 130*		*09/11/15 04:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*09/11/15 04:59*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/11/15 04:59*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: WCC-1B
Date Collected: 09/08/15 13:15
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-13
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 05:28	1
1,1-Dichloroethane	**0.97**		0.50		ug/L			09/11/15 05:28	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 05:28	1
1,1-Dichloroethene	**4.4**		0.50		ug/L			09/11/15 05:28	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 05:28	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 05:28	1
1,1,1-Trichloroethane	**12**		0.50		ug/L			09/11/15 05:28	1
Trichloroethene	ND		0.50		ug/L			09/11/15 05:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 05:28	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 05:28	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 05:28	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*67 - 130*		*09/11/15 05:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 130*		*09/11/15 05:28*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*09/11/15 05:28*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: 146B
Date Collected: 09/08/15 13:55
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 05:57	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 05:57	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 05:57	1
1,1-Dichloroethene	**0.88**		0.50		ug/L			09/11/15 05:57	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 05:57	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 05:57	1
1,1,1-Trichloroethane	**4.2**		0.50		ug/L			09/11/15 05:57	1
Trichloroethene	ND		0.50		ug/L			09/11/15 05:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 05:57	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 05:57	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 05:57	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*67 - 130*		*09/11/15 05:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*72 - 130*		*09/11/15 05:57*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/11/15 05:57*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: 145B
Date Collected: 09/08/15 14:25
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-15
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 06:26	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 06:26	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 06:26	1
1,1-Dichloroethene	**2.3**		0.50		ug/L			09/11/15 06:26	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 06:26	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 06:26	1
1,1,1-Trichloroethane	**6.7**		0.50		ug/L			09/11/15 06:26	1
Trichloroethene	ND		0.50		ug/L			09/11/15 06:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 06:26	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 06:26	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 06:26	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*67 - 130*		*09/11/15 06:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*72 - 130*		*09/11/15 06:26*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*09/11/15 06:26*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: QCEB
Date Collected: 09/08/15 12:40
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-16
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 22:37	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 22:37	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 22:37	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/15 22:37	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 22:37	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 22:37	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/15 22:37	1
Trichloroethene	ND		0.50		ug/L			09/11/15 22:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 22:37	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 22:37	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 22:37	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*67 - 130*		*09/11/15 22:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*09/11/15 22:37*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/11/15 22:37*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: AE-2B
Date Collected: 09/09/15 08:30
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/10/15 23:02	1
1,1-Dichloroethane	**120**		0.50		ug/L			09/10/15 23:02	1
1,2-Dichloroethane	**1.1**		0.50		ug/L			09/10/15 23:02	1
1,1-Dichloroethene	**300**		5.0		ug/L			09/11/15 12:34	10
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/10/15 23:02	1
Tetrachloroethene	**1.1**		0.50		ug/L			09/10/15 23:02	1
1,1,1-Trichloroethane	**66**		0.50		ug/L			09/10/15 23:02	1
Trichloroethene	ND		0.50		ug/L			09/10/15 23:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.3**		0.50		ug/L			09/10/15 23:02	1
Vinyl chloride	**0.60**		0.50		ug/L			09/10/15 23:02	1
Xylenes, Total	ND		1.0		ug/L			09/10/15 23:02	1
Isopropyl alcohol	ND		100		ug/L			09/10/15 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*67 - 130*		*09/10/15 23:02*	*1*
4-Bromofluorobenzene	*91*		*67 - 130*		*09/11/15 12:34*	*10*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*		*09/10/15 23:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*		*09/11/15 12:34*	*10*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/10/15 23:02*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/11/15 12:34*	*10*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: QCFB-2
Date Collected: 09/09/15 09:00
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-19
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 23:07	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 23:07	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 23:07	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/15 23:07	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 23:07	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 23:07	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/15 23:07	1
Trichloroethene	ND		0.50		ug/L			09/11/15 23:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 23:07	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 23:07	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 23:07	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*67 - 130*		*09/11/15 23:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*09/11/15 23:07*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/11/15 23:07*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: AE-1B

Date Collected: 09/09/15 09:35
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-20

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/12/15 00:06	1
1,1-Dichloroethane	**46**		0.50		ug/L			09/12/15 00:06	1
1,2-Dichloroethane	**2.8**		0.50		ug/L			09/12/15 00:06	1
1,1-Dichloroethene	**520**		5.0		ug/L			09/15/15 18:57	10
cis-1,2-Dichloroethene	**0.63**		0.50		ug/L			09/12/15 00:06	1
Tetrachloroethene	**0.54**		0.50		ug/L			09/12/15 00:06	1
1,1,1-Trichloroethane	**33**		0.50		ug/L			09/12/15 00:06	1
Trichloroethene	ND		0.50		ug/L			09/12/15 00:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.61**		0.50		ug/L			09/12/15 00:06	1
Vinyl chloride	ND		0.50		ug/L			09/12/15 00:06	1
Xylenes, Total	ND		1.0		ug/L			09/12/15 00:06	1
Isopropyl alcohol	ND		100		ug/L			09/12/15 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*67 - 130*		*09/12/15 00:06*	*1*
4-Bromofluorobenzene	*90*		*67 - 130*		*09/15/15 18:57*	*10*
1,2-Dichloroethane-d4 (Surr)	*106*		*72 - 130*		*09/12/15 00:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*72 - 130*		*09/15/15 18:57*	*10*
Toluene-d8 (Surr)	*94*		*70 - 130*		*09/12/15 00:06*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/15/15 18:57*	*10*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**7.2**		1.0		ug/L		09/13/15 09:02	09/14/15 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*75*		*30 - 120*	*09/13/15 09:02*	*09/14/15 20:48*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: AE-1B-1
Date Collected: 09/09/15 09:36
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-21
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/12/15 00:36	1
1,1-Dichloroethane	**46**		0.50		ug/L			09/12/15 00:36	1
1,2-Dichloroethane	**2.8**		0.50		ug/L			09/12/15 00:36	1
1,1-Dichloroethene	**510**		5.0		ug/L			09/15/15 19:26	10
cis-1,2-Dichloroethene	**0.63**		0.50		ug/L			09/12/15 00:36	1
Tetrachloroethene	**0.51**		0.50		ug/L			09/12/15 00:36	1
1,1,1-Trichloroethane	**32**		0.50		ug/L			09/12/15 00:36	1
Trichloroethene	ND		0.50		ug/L			09/12/15 00:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.55**		0.50		ug/L			09/12/15 00:36	1
Vinyl chloride	ND		0.50		ug/L			09/12/15 00:36	1
Xylenes, Total	ND		1.0		ug/L			09/12/15 00:36	1
Isopropyl alcohol	ND		100		ug/L			09/12/15 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*67 - 130*		*09/12/15 00:36*	*1*
4-Bromofluorobenzene	*88*		*67 - 130*		*09/15/15 19:26*	*10*
1,2-Dichloroethane-d4 (Surr)	*109*		*72 - 130*		*09/12/15 00:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*72 - 130*		*09/15/15 19:26*	*10*
Toluene-d8 (Surr)	*94*		*70 - 130*		*09/12/15 00:36*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/15/15 19:26*	*10*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**6.2**		1.0		ug/L		09/13/15 09:02	09/14/15 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*66*		*30 - 120*	*09/13/15 09:02*	*09/14/15 21:09*	*1*

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: 75B
Date Collected: 09/09/15 10:00
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-22
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/12/15 01:06	1
1,1-Dichloroethane	ND		0.50		ug/L			09/12/15 01:06	1
1,2-Dichloroethane	ND		0.50		ug/L			09/12/15 01:06	1
1,1-Dichloroethene	**0.61**		0.50		ug/L			09/15/15 18:27	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/12/15 01:06	1
Tetrachloroethene	ND		0.50		ug/L			09/12/15 01:06	1
1,1,1-Trichloroethane	**3.0**		0.50		ug/L			09/12/15 01:06	1
Trichloroethene	ND		0.50		ug/L			09/12/15 01:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/12/15 01:06	1
Vinyl chloride	ND		0.50		ug/L			09/12/15 01:06	1
Xylenes, Total	ND		1.0		ug/L			09/12/15 01:06	1
Isopropyl alcohol	ND		100		ug/L			09/12/15 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*67 - 130*		*09/12/15 01:06*	*1*
4-Bromofluorobenzene	*91*		*67 - 130*		*09/15/15 18:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*72 - 130*		*09/12/15 01:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*72 - 130*		*09/15/15 18:27*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/12/15 01:06*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/15/15 18:27*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-188654/5
Matrix: Water
Analysis Batch: 188654

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/10/15 20:35	1
1,1-Dichloroethane	ND		0.50		ug/L			09/10/15 20:35	1
1,2-Dichloroethane	ND		0.50		ug/L			09/10/15 20:35	1
1,1-Dichloroethene	ND		0.50		ug/L			09/10/15 20:35	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/10/15 20:35	1
Tetrachloroethene	ND		0.50		ug/L			09/10/15 20:35	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/10/15 20:35	1
Trichloroethene	ND		0.50		ug/L			09/10/15 20:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/10/15 20:35	1
Vinyl chloride	ND		0.50		ug/L			09/10/15 20:35	1
Xylenes, Total	ND		1.0		ug/L			09/10/15 20:35	1
Isopropyl alcohol	ND		100		ug/L			09/10/15 20:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*67 - 130*		*09/10/15 20:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 130*		*09/10/15 20:35*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/10/15 20:35*	*1*

Lab Sample ID: LCS 720-188654/6
Matrix: Water
Analysis Batch: 188654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	125		ug/L		100	26 - 180
1,1-Dichloroethane	25.0	21.5		ug/L		86	70 - 130
1,2-Dichloroethane	25.0	21.4		ug/L		86	61 - 132
1,1-Dichloroethene	25.0	21.2		ug/L		85	64 - 128
cis-1,2-Dichloroethene	25.0	21.4		ug/L		86	70 - 130
Tetrachloroethene	25.0	21.0		ug/L		84	70 - 130
1,1,1-Trichloroethane	25.0	21.3		ug/L		85	70 - 130
Trichloroethene	25.0	22.9		ug/L		92	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.1		ug/L		84	42 - 162
Vinyl chloride	25.0	24.7		ug/L		99	54 - 135
m-Xylene & p-Xylene	25.0	23.1		ug/L		92	70 - 142
o-Xylene	25.0	22.6		ug/L		90	70 - 130
Isopropyl alcohol	250	271		ug/L		108	66 - 165

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*72 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-188654/7
Matrix: Water
Analysis Batch: 188654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			125	115		ug/L		92	26 - 180	8	30
1,1-Dichloroethane			25.0	21.7		ug/L		87	70 - 130	1	20
1,2-Dichloroethane			25.0	21.8		ug/L		87	61 - 132	2	20
1,1-Dichloroethene			25.0	20.9		ug/L		84	64 - 128	1	20
cis-1,2-Dichloroethene			25.0	21.8		ug/L		87	70 - 130	2	20
Tetrachloroethene			25.0	20.9		ug/L		84	70 - 130	1	20
1,1,1-Trichloroethane			25.0	21.3		ug/L		85	70 - 130	0	20
Trichloroethene			25.0	23.3		ug/L		93	70 - 130	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	20.8		ug/L		83	42 - 162	1	20
Vinyl chloride			25.0	24.5		ug/L		98	54 - 135	1	20
m-Xylene & p-Xylene			25.0	22.7		ug/L		91	70 - 142	2	20
o-Xylene			25.0	22.5		ug/L		90	70 - 130	0	20
Isopropyl alcohol			250	269		ug/L		108	66 - 165	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*72 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: 720-67308-18 MS
Matrix: Water
Analysis Batch: 188654

Client Sample ID: AE-2B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		125	108		ug/L		87	60 - 140
1,1-Dichloroethane	120		25.0	150	4	ug/L		119	60 - 140
1,2-Dichloroethane	1.1		25.0	24.6		ug/L		94	60 - 140
cis-1,2-Dichloroethene	ND		25.0	24.2		ug/L		96	60 - 140
Tetrachloroethene	1.1		25.0	24.2		ug/L		93	60 - 140
1,1,1-Trichloroethane	66		25.0	91.8		ug/L		103	60 - 140
Trichloroethene	ND		25.0	25.6		ug/L		102	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	1.3		25.0	22.9		ug/L		87	60 - 140
Vinyl chloride	0.60		25.0	27.0		ug/L		105	58 - 140
m-Xylene & p-Xylene	ND		25.0	24.9		ug/L		99	60 - 140
o-Xylene	ND		25.0	24.5		ug/L		98	60 - 140
Isopropyl alcohol	ND		313	381		ug/L		122	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*72 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-67308-18 MSD
Matrix: Water
Analysis Batch: 188654

Client Sample ID: AE-2B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		125	105		ug/L		84	60 - 140	3	20
1,1-Dichloroethane	120		25.0	149	4	ug/L		112	60 - 140	1	20
1,2-Dichloroethane	1.1		25.0	24.3		ug/L		93	60 - 140	1	20
cis-1,2-Dichloroethene	ND		25.0	23.8		ug/L		94	60 - 140	2	20
Tetrachloroethene	1.1		25.0	23.8		ug/L		91	60 - 140	2	20
1,1,1-Trichloroethane	66		25.0	90.7		ug/L		98	60 - 140	1	20
Trichloroethene	ND		25.0	25.1		ug/L		101	60 - 140	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	1.3		25.0	22.4		ug/L		85	60 - 140	2	20
Vinyl chloride	0.60		25.0	26.3		ug/L		103	58 - 140	3	20
m-Xylene & p-Xylene	ND		25.0	25.1		ug/L		101	60 - 140	1	20
o-Xylene	ND		25.0	25.1		ug/L		101	60 - 140	3	20
Isopropyl alcohol	ND		313	378		ug/L		121	60 - 140	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*72 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 720-188679/5
Matrix: Water
Analysis Batch: 188679

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 09:01	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 09:01	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 09:01	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/15 09:01	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 09:01	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 09:01	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/15 09:01	1
Trichloroethene	ND		0.50		ug/L			09/11/15 09:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 09:01	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 09:01	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 09:01	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 09:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*67 - 130*		*09/11/15 09:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 130*		*09/11/15 09:01*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*09/11/15 09:01*	*1*

Lab Sample ID: LCS 720-188679/6
Matrix: Water
Analysis Batch: 188679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	110		ug/L		88	26 - 180

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-188679/6
Matrix: Water
Analysis Batch: 188679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	21.3		ug/L		85	70 - 130
1,2-Dichloroethane	25.0	22.7		ug/L		91	61 - 132
1,1-Dichloroethene	25.0	19.1		ug/L		76	64 - 128
cis-1,2-Dichloroethene	25.0	21.9		ug/L		88	70 - 130
Tetrachloroethene	25.0	20.1		ug/L		80	70 - 130
1,1,1-Trichloroethane	25.0	20.7		ug/L		83	70 - 130
Trichloroethene	25.0	22.1		ug/L		88	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.7		ug/L		79	42 - 162
Vinyl chloride	25.0	22.4		ug/L		90	54 - 135
m-Xylene & p-Xylene	25.0	20.6		ug/L		82	70 - 142
o-Xylene	25.0	20.5		ug/L		82	70 - 130
Isopropyl alcohol	250	263		ug/L		105	66 - 165

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 720-188679/7
Matrix: Water
Analysis Batch: 188679

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	125	119		ug/L		95	26 - 180	8	30
1,1-Dichloroethane	25.0	21.3		ug/L		85	70 - 130	0	20
1,2-Dichloroethane	25.0	22.8		ug/L		91	61 - 132	1	20
1,1-Dichloroethene	25.0	19.3		ug/L		77	64 - 128	1	20
cis-1,2-Dichloroethene	25.0	21.9		ug/L		88	70 - 130	0	20
Tetrachloroethene	25.0	20.3		ug/L		81	70 - 130	1	20
1,1,1-Trichloroethane	25.0	21.1		ug/L		84	70 - 130	2	20
Trichloroethene	25.0	22.3		ug/L		89	70 - 130	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.3		ug/L		77	42 - 162	2	20
Vinyl chloride	25.0	22.8		ug/L		91	54 - 135	2	20
m-Xylene & p-Xylene	25.0	22.2		ug/L		89	70 - 142	7	20
o-Xylene	25.0	21.9		ug/L		88	70 - 130	7	20
Isopropyl alcohol	250	278		ug/L		111	66 - 165	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-67308-18 MS
Matrix: Water
Analysis Batch: 188679

Client Sample ID: AE-2B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	300		250	509		ug/L		82	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*72 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Lab Sample ID: 720-67308-18 MSD
Matrix: Water
Analysis Batch: 188679

Client Sample ID: AE-2B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	300		250	523		ug/L		88	60 - 140	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*72 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 720-188743/5
Matrix: Water
Analysis Batch: 188743

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/11/15 19:09	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/15 19:09	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/15 19:09	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/15 19:09	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/15 19:09	1
Tetrachloroethene	ND		0.50		ug/L			09/11/15 19:09	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/15 19:09	1
Trichloroethene	ND		0.50		ug/L			09/11/15 19:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/15 19:09	1
Vinyl chloride	ND		0.50		ug/L			09/11/15 19:09	1
Xylenes, Total	ND		1.0		ug/L			09/11/15 19:09	1
Isopropyl alcohol	ND		100		ug/L			09/11/15 19:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 130*		*09/11/15 19:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*		*09/11/15 19:09*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*09/11/15 19:09*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-188743/6
Matrix: Water
Analysis Batch: 188743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	132		ug/L		106	26 - 180
1,1-Dichloroethane	25.0	21.9		ug/L		88	70 - 130
1,2-Dichloroethane	25.0	23.0		ug/L		92	61 - 132
1,1-Dichloroethene	25.0	20.0		ug/L		80	64 - 128
cis-1,2-Dichloroethene	25.0	22.6		ug/L		90	70 - 130
Tetrachloroethene	25.0	20.6		ug/L		82	70 - 130
1,1,1-Trichloroethane	25.0	21.3		ug/L		85	70 - 130
Trichloroethene	25.0	22.8		ug/L		91	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.0		ug/L		76	42 - 162
Vinyl chloride	25.0	23.7		ug/L		95	54 - 135
m-Xylene & p-Xylene	25.0	22.6		ug/L		91	70 - 142
o-Xylene	25.0	22.6		ug/L		90	70 - 130
Isopropyl alcohol	250	310		ug/L		124	66 - 165

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*86*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 720-188743/7
Matrix: Water
Analysis Batch: 188743

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	125	125		ug/L		100	26 - 180	5	30
1,1-Dichloroethane	25.0	22.1		ug/L		89	70 - 130	1	20
1,2-Dichloroethane	25.0	23.7		ug/L		95	61 - 132	3	20
1,1-Dichloroethene	25.0	20.2		ug/L		81	64 - 128	1	20
cis-1,2-Dichloroethene	25.0	22.6		ug/L		91	70 - 130	0	20
Tetrachloroethene	25.0	20.8		ug/L		83	70 - 130	1	20
1,1,1-Trichloroethane	25.0	21.4		ug/L		86	70 - 130	1	20
Trichloroethene	25.0	23.3		ug/L		93	70 - 130	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.6		ug/L		78	42 - 162	3	20
Vinyl chloride	25.0	23.8		ug/L		95	54 - 135	1	20
m-Xylene & p-Xylene	25.0	22.9		ug/L		92	70 - 142	1	20
o-Xylene	25.0	22.6		ug/L		90	70 - 130	0	20
Isopropyl alcohol	250	308		ug/L		123	66 - 165	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 720-188888/4
Matrix: Water
Analysis Batch: 188888

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			09/15/15 11:02	1
1,1-Dichloroethane	ND		0.50		ug/L			09/15/15 11:02	1
1,2-Dichloroethane	ND		0.50		ug/L			09/15/15 11:02	1
1,1-Dichloroethene	ND		0.50		ug/L			09/15/15 11:02	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/15/15 11:02	1
Tetrachloroethene	ND		0.50		ug/L			09/15/15 11:02	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/15/15 11:02	1
Trichloroethene	ND		0.50		ug/L			09/15/15 11:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/15/15 11:02	1
Vinyl chloride	ND		0.50		ug/L			09/15/15 11:02	1
Xylenes, Total	ND		1.0		ug/L			09/15/15 11:02	1
Isopropyl alcohol	ND		100		ug/L			09/15/15 11:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*67 - 130*		*09/15/15 11:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*09/15/15 11:02*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/15/15 11:02*	*1*

Lab Sample ID: LCS 720-188888/5
Matrix: Water
Analysis Batch: 188888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	130		ug/L		104	26 - 180
1,1-Dichloroethane	25.0	23.7		ug/L		95	70 - 130
1,2-Dichloroethane	25.0	25.5		ug/L		102	61 - 132
1,1-Dichloroethene	25.0	22.5		ug/L		90	64 - 128
cis-1,2-Dichloroethene	25.0	24.6		ug/L		99	70 - 130
Tetrachloroethene	25.0	22.6		ug/L		90	70 - 130
1,1,1-Trichloroethane	25.0	23.1		ug/L		92	70 - 130
Trichloroethene	25.0	24.6		ug/L		99	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.3		ug/L		89	42 - 162
Vinyl chloride	25.0	24.5		ug/L		98	54 - 135
m-Xylene & p-Xylene	25.0	24.9		ug/L		100	70 - 142
o-Xylene	25.0	25.0		ug/L		100	70 - 130
Isopropyl alcohol	250	341		ug/L		136	66 - 165

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-188888/6
Matrix: Water
Analysis Batch: 188888

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			125	128		ug/L		102	26 - 180	2	30
1,1-Dichloroethane			25.0	24.2		ug/L		97	70 - 130	2	20
1,2-Dichloroethane			25.0	25.9		ug/L		104	61 - 132	1	20
1,1-Dichloroethene			25.0	22.4		ug/L		90	64 - 128	0	20
cis-1,2-Dichloroethene			25.0	24.9		ug/L		99	70 - 130	1	20
Tetrachloroethene			25.0	22.7		ug/L		91	70 - 130	1	20
1,1,1-Trichloroethane			25.0	23.7		ug/L		95	70 - 130	3	20
Trichloroethene			25.0	25.0		ug/L		100	70 - 130	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	22.3		ug/L		89	42 - 162	0	20
Vinyl chloride			25.0	24.1		ug/L		96	54 - 135	2	20
m-Xylene & p-Xylene			25.0	25.6		ug/L		102	70 - 142	3	20
o-Xylene			25.0	25.3		ug/L		101	70 - 130	1	20
Isopropyl alcohol			250	334		ug/L		134	66 - 165	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-279821/1-A
Matrix: Water
Analysis Batch: 279957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 279821

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.0		ug/L		09/13/15 09:02	09/14/15 16:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*71*		*30 - 120*	*09/13/15 09:02*	*09/14/15 16:32*	*1*

Lab Sample ID: LCS 440-279821/2-A
Matrix: Water
Analysis Batch: 279957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 279821

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			2.00	1.33		ug/L		67	35 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8 (Surr)	*68*		*30 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-279821/3-A
Matrix: Water
Analysis Batch: 279957

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 279821

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane			2.00	1.31		ug/L		65	35 - 120	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8 (Surr)	*67*		*30 - 120*

GC/MS VOA

Analysis Batch: 188654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-67308-1	QCTB-1	Total/NA	Water	8260B	
720-67308-2	127B	Total/NA	Water	8260B	
720-67308-3	128B	Total/NA	Water	8260B	
720-67308-4	129B	Total/NA	Water	8260B	
720-67308-5	119B	Total/NA	Water	8260B	
720-67308-6	120B	Total/NA	Water	8260B	
720-67308-7	122B	Total/NA	Water	8260B	
720-67308-8	QCFB-1	Total/NA	Water	8260B	
720-67308-9	WCC-42B	Total/NA	Water	8260B	
720-67308-10	131B	Total/NA	Water	8260B	
720-67308-11	116B	Total/NA	Water	8260B	
720-67308-12	RW-25B-90	Total/NA	Water	8260B	
720-67308-13	WCC-1B	Total/NA	Water	8260B	
720-67308-14	146B	Total/NA	Water	8260B	
720-67308-15	145B	Total/NA	Water	8260B	
720-67308-18	AE-2B	Total/NA	Water	8260B	
720-67308-18 MS	AE-2B	Total/NA	Water	8260B	
720-67308-18 MSD	AE-2B	Total/NA	Water	8260B	
LCS 720-188654/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-188654/7	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 720-188654/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 188679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-67308-18	AE-2B	Total/NA	Water	8260B	
720-67308-18 MS	AE-2B	Total/NA	Water	8260B	
720-67308-18 MSD	AE-2B	Total/NA	Water	8260B	
LCS 720-188679/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-188679/7	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 720-188679/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 188743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-67308-16	QCEB	Total/NA	Water	8260B	
720-67308-19	QCFB-2	Total/NA	Water	8260B	
720-67308-20	AE-1B	Total/NA	Water	8260B	
720-67308-21	AE-1B-1	Total/NA	Water	8260B	
720-67308-22	75B	Total/NA	Water	8260B	
LCS 720-188743/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-188743/7	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 720-188743/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 188888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-67308-20	AE-1B	Total/NA	Water	8260B	
720-67308-21	AE-1B-1	Total/NA	Water	8260B	
720-67308-22	75B	Total/NA	Water	8260B	
LCS 720-188888/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-188888/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 720-188888/4	Method Blank	Total/NA	Water	8260B	

QC Association Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

GC/MS Semi VOA

Prep Batch: 279821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-67308-3	128B	Total/NA	Water	3520C	
720-67308-20	AE-1B	Total/NA	Water	3520C	
720-67308-21	AE-1B-1	Total/NA	Water	3520C	
LCS 440-279821/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-279821/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 440-279821/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 279957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-67308-3	128B	Total/NA	Water	8270C	279821
720-67308-20	AE-1B	Total/NA	Water	8270C	279821
720-67308-21	AE-1B-1	Total/NA	Water	8270C	279821
LCS 440-279821/2-A	Lab Control Sample	Total/NA	Water	8270C	279821
LCSD 440-279821/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	279821
MB 440-279821/1-A	Method Blank	Total/NA	Water	8270C	279821

Lab Chronicle

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: QCTB-1
Date Collected: 09/08/15 07:00
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 00:03	PRD	TAL PLS

Client Sample ID: 127B
Date Collected: 09/08/15 10:35
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 00:33	PRD	TAL PLS

Client Sample ID: 128B
Date Collected: 09/08/15 10:55
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 01:02	PRD	TAL PLS
Total/NA	Prep	3520C			279821	09/13/15 09:02	IVA	TAL IRV
Total/NA	Analysis	8270C		1	279957	09/14/15 20:27	AI	TAL IRV

Client Sample ID: 129B
Date Collected: 09/08/15 11:30
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 01:33	PRD	TAL PLS

Client Sample ID: 119B
Date Collected: 09/08/15 11:55
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 02:02	PRD	TAL PLS

Client Sample ID: 120B
Date Collected: 09/08/15 12:20
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 02:31	PRD	TAL PLS

Lab Chronicle

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: 122B
Lab Sample ID: 720-67308-7
Date Collected: 09/08/15 12:45
Matrix: Water
Date Received: 09/09/15 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 03:01	PRD	TAL PLS

Client Sample ID: QCFB-1
Lab Sample ID: 720-67308-8
Date Collected: 09/08/15 12:55
Matrix: Water
Date Received: 09/09/15 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/10/15 23:32	PRD	TAL PLS

Client Sample ID: WCC-42B
Lab Sample ID: 720-67308-9
Date Collected: 09/08/15 13:15
Matrix: Water
Date Received: 09/09/15 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 03:31	PRD	TAL PLS

Client Sample ID: 131B
Lab Sample ID: 720-67308-10
Date Collected: 09/08/15 13:40
Matrix: Water
Date Received: 09/09/15 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 04:00	PRD	TAL PLS

Client Sample ID: 116B
Lab Sample ID: 720-67308-11
Date Collected: 09/08/15 14:00
Matrix: Water
Date Received: 09/09/15 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 04:29	PRD	TAL PLS

Client Sample ID: RW-25B-90
Lab Sample ID: 720-67308-12
Date Collected: 09/08/15 11:45
Matrix: Water
Date Received: 09/09/15 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 04:59	PRD	TAL PLS

Client Sample ID: WCC-1B — Lab Sample ID: 720-67308-13

Date Collected: 09/08/15 13:15 — **Matrix: Water**
Date Received: 09/09/15 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 05:28	PRD	TAL PLS

Client Sample ID: 146B — Lab Sample ID: 720-67308-14

Date Collected: 09/08/15 13:55 — **Matrix: Water**
Date Received: 09/09/15 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 05:57	PRD	TAL PLS

Client Sample ID: 145B — Lab Sample ID: 720-67308-15

Date Collected: 09/08/15 14:25 — **Matrix: Water**
Date Received: 09/09/15 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/11/15 06:26	PRD	TAL PLS

Client Sample ID: QCEB — Lab Sample ID: 720-67308-16

Date Collected: 09/08/15 12:40 — **Matrix: Water**
Date Received: 09/09/15 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188743	09/11/15 22:37	PRD	TAL PLS

Client Sample ID: AE-2B — Lab Sample ID: 720-67308-18

Date Collected: 09/09/15 08:30 — **Matrix: Water**
Date Received: 09/09/15 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188654	09/10/15 23:02	PRD	TAL PLS
Total/NA	Analysis	8260B		10	188679	09/11/15 12:34	PRD	TAL PLS

Client Sample ID: QCFB-2 — Lab Sample ID: 720-67308-19

Date Collected: 09/09/15 09:00 — **Matrix: Water**
Date Received: 09/09/15 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188743	09/11/15 23:07	PRD	TAL PLS

Lab Chronicle

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Client Sample ID: AE-1B
Date Collected: 09/09/15 09:35
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188743	09/12/15 00:06	PRD	TAL PLS
Total/NA	Analysis	8260B		10	188888	09/15/15 18:57	PRD	TAL PLS
Total/NA	Prep	3520C			279821	09/13/15 09:02	IVA	TAL IRV
Total/NA	Analysis	8270C		1	279957	09/14/15 20:48	AI	TAL IRV

Client Sample ID: AE-1B-1
Date Collected: 09/09/15 09:36
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188743	09/12/15 00:36	PRD	TAL PLS
Total/NA	Analysis	8260B		10	188888	09/15/15 19:26	PRD	TAL PLS
Total/NA	Prep	3520C			279821	09/13/15 09:02	IVA	TAL IRV
Total/NA	Analysis	8270C		1	279957	09/14/15 21:09	AI	TAL IRV

Client Sample ID: 75B
Date Collected: 09/09/15 10:00
Date Received: 09/09/15 16:30

Lab Sample ID: 720-67308-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188743	09/12/15 01:06	PRD	TAL PLS
Total/NA	Analysis	8260B		1	188888	09/15/15 18:27	PRD	TAL PLS

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-16
Arizona	State Program	9	AZ0671	10-13-15
California	LA Cty Sanitation Districts	9	10256	01-31-16 *
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-16
Hawaii	State Program	9	N/A	01-29-16
Nevada	State Program	9	CA015312007A	07-31-16 *
New Mexico	State Program	6	N/A	01-29-16
Northern Mariana Islands	State Program	9	MP0002	01-29-16
Oregon	NELAP	10	4005	01-29-16
USDA	Federal		P330-09-00080	07-08-18

* Certification renewal pending - certification considered valid.

Method Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PLS
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Weiss Associates
Project/Site: STC San Jose

TestAmerica Job ID: 720-67308-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-67308-1	QCTB-1	Water	09/08/15 07:00	09/09/15 16:30
720-67308-2	127B	Water	09/08/15 10:35	09/09/15 16:30
720-67308-3	128B	Water	09/08/15 10:55	09/09/15 16:30
720-67308-4	129B	Water	09/08/15 11:30	09/09/15 16:30
720-67308-5	119B	Water	09/08/15 11:55	09/09/15 16:30
720-67308-6	120B	Water	09/08/15 12:20	09/09/15 16:30
720-67308-7	122B	Water	09/08/15 12:45	09/09/15 16:30
720-67308-8	QCFB-1	Water	09/08/15 12:55	09/09/15 16:30
720-67308-9	WCC-42B	Water	09/08/15 13:15	09/09/15 16:30
720-67308-10	131B	Water	09/08/15 13:40	09/09/15 16:30
720-67308-11	116B	Water	09/08/15 14:00	09/09/15 16:30
720-67308-12	RW-25B-90	Water	09/08/15 11:45	09/09/15 16:30
720-67308-13	WCC-1B	Water	09/08/15 13:15	09/09/15 16:30
720-67308-14	146B	Water	09/08/15 13:55	09/09/15 16:30
720-67308-15	145B	Water	09/08/15 14:25	09/09/15 16:30
720-67308-16	QCEB	Water	09/08/15 12:40	09/09/15 16:30
720-67308-18	AE-2B	Water	09/09/15 08:30	09/09/15 16:30
720-67308-19	QCFB-2	Water	09/09/15 09:00	09/09/15 16:30
720-67308-20	AE-1B	Water	09/09/15 09:35	09/09/15 16:30
720-67308-21	AE-1B-1	Water	09/09/15 09:36	09/09/15 16:30
720-67308-22	75B	Water	09/09/15 10:00	09/09/15 16:30

720-67308

163696

Chain of Custody Record

TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566
Phone: 925-484-1919 ext.137

Please send analytic results, electronic deliverables and the original chain-of-custody form to.
labresults@weiss.com
bpb@weiss.com
tae@weiss.com

INSTRUCTIONS FOR LAB PERSONNEL:
GeoTracker EDF required? ☒ Yes ☐ No
Equis 4-file EDWEDD required? ☐ Yes ☒ No
Weiss Standard EDD required? ☒ Yes ☐ No
Report to ☒ Reporting Limits ☐ Method detection limits
Call immediately with any questions or problems.

Weiss Associates

Company Contact	Project Manager: Trish Eliasson	Protocol ID/path: R:\Schlumberger\08-San Jose\protocols\2015	COC Number: 08A2015
Weiss Associates	Project ID: 363-2015.08		
453 Ravendale Dr., Suite C	Sampled by: Ben Powell, Alan Bamford		Page 1 of 3
Mountain View, CA 94043	Sample date(s): 9-8-15		SDG number:
(650) 968-7000 Phone	Analysis Turnaround Time:		
(510) 968-7034 FAX	10 days		
Job Name: STC San Jose	(Specify Days or Hours)		
Address: 101 Bernal Road, San Jose			

Lab ID	Sample Identification	Sample Date	Sample Time	Sample Matrix	# of Cont.	Analyte (Method ID)	VOCs by EPA 8260B	1,4-Dioxane	Sample Specific Notes:
	QCTB-1	9-8-15	0700	W	1		X		
	127B	9-8-15	1035	W	3		X		
	128B	9-8-15	1055	W	4		X	X	
	129B	9-8-15	1130	W	3		X		
	119B	9-8-15	1155	W	3		X		
	120B	9-8-15	1220	W	3		X		
	122B	9-8-15	1245	W	3		X		
	QCFB-1	9-8-15	1255	W	3		X		
	MCC-42B	9-8-15	1315	W	3		X		
	131B	9-8-15	1340	W	3		X		
						Field Filtered (X):			
						Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other	1,2	1	

Special Instructions/QC Requirements & Comments: **Report to Reporting Limits, not Method Detection Limits. Only report compounds specified on list provided to Project Manager.**
This site is an EPA superfund site.
Please invoice to STC HQ (not Accenture). Please email invoice to HQAP@slb.com with bill to address = STC HQAP 1200 Enclave, Honston, TX 77077

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Weiss Associates	9-8-15/1525	[signature]	Weiss	9/9/15 1300
[signature]	Weiss	9/9/15 1445	Victor Romo	TA	9/9/15 1445
Victor Romo	TA	9/9/15 1630	[signature]	TAP	9/9/15 1630

☒ = Samples released to a secured, locked area. ☒ = Samples received from a secured, locked area

rev.1

2.5°C

720-67308 Chain of Custody

9/18/2015

720-67308

Chain of Custody Record

TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566
Phone: 925-484-1919 ext.137

Please send analytic results, electronic deliverables and the original chain-of-custody form to:
labresults@weiss.com
bpb@weiss.com
tae@weiss.com

INSTRUCTIONS FOR LAB PERSONNEL:
GeoTracker EDF required? ☒ Yes ☐ No
Equis 4-file EDWEDD required? ☐ Yes ☒ No
Weiss Standard EDD required? ☒ Yes ☐ No
Report to ☒ Reporting Limits ☐ Method detection limits
Call immediately with any questions or problems

Weiss Associates

Company Contact	Project Manager: Trish Eliasson	Protocol ID/path: R:\Schlumberger\08-San Jose\protocols\2015	COC Number: 08B2015
Weiss Associates	Project ID: 363-2015.08		
453 Ravendale Dr., Suite C	Sampled by: Ben Powell, Alan Berahovich		Page 2 of 3
Mountain View, CA 94043	Sample date(s): 9-8-15		
(650) 968-7000 Phone	Analysis Turnaround Time:		SDG number:
(510) 968-7034 FAX	10 days (Specify Days or Hours)		
Job Name: STC San Jose			
Address: 101 Bernal Road, San Jose			Sample Specific Notes:

Lab ID	Sample Identification	Sample Date	Sample Time	Sample Matrix	# of Cont.	Analyte (Method ID): VOCs by EPA 8260B	1,4-Dioxane
	116B	9-8-15	1400	W	3	X	
	RW-25B-90	9-8-15	1145	W	3	X	
	WCC-1B	9-8-15	1315	W	3	X	
	146B	9-8-15	1355	W	3	X	
	145B	9-8-15	1425	W	3	X	
	QCEB	9-8-15	1240	W	3	X	
				W			
				W			
				W			
				W			
					Field Filtered (X):		
					Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other	1,2	1

Special Instructions/QC Requirements & Comments: Report to Reporting Limits, not Method Detection Limits. Only report compounds specified on list provided to Project Manager.
This site is an EPA superfund site.
Please invoice to STC HQ (not Accenture). Please email invoice to HQAP@slb.com with bill to address = STC HQAP 1200 Enclave, Houston, TX 77077

Relinquished by	Company	Date/Time	Received by:	Company	Date/Time
☐	Weiss Associates	9-8-15/1525			
Relinquished by ☐	Company	Date/Time	Received by: ☐	Company	Date/Time
		9/9/15 1445	Victor Ramo	TA	9/9/15 1445
Relinquished by: Victor Ramo ☐	Company TA	Date/Time 9/9/15 1630	Received by: ☐	Company TAP	Date/Time 9/9/15 1630
					9/9/15 1300

☒ = Samples released to a secured, locked area. ● = Samples received from a secured, locked area

rev.1

9/18/2015

720-67308

Chain of Custody Record

TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566
Phone: 925-484-1919 ext.137

Please send analytic results, electronic deliverables and the original chain-of-custody form to.
labresults@weiss.com
bpb@weiss.com
tac@weiss.com

INSTRUCTIONS FOR LAB PERSONNEL:
GeoTracker EDF required? ☒ Yes ☐ No
Equis 4-file EDWEDD required? ☐ Yes ☒ No
Weiss Standard EDD required? ☒ Yes ☐ No
Report to ☒ Reporting Limits ☐ Method detection limits
Call immediately with any questions or problems

Weiss Associates

Company Contact	Project Manager: Trish Eliasson	Protocol ID/path: R:\Schlumberger\08-San Jose\protocols\2015	COC Number: 08C2015
Weiss Associates	Project ID: 363-2015.08		Page 3 of 3
453 Ravendale Dr., Suite C	Sampled by: Ben Powell		SDG number:
Mountain View, CA 94043	Sample date(s): 9-9-15		
(650) 968-7000 Phone	Analysis Turnaround Time:		
(510) 968-7034 FAX	10 days		
Job Name: STC San Jose	(Specify Days or Hours)		
Address: 101 Bernal Road, San Jose			

Lab ID	Sample Identification	Sample Date	Sample Time	Sample Matrix	# of Cont.	Analyte (Method ID) VOCs by EPA 8260B	1,4-Dioxane	Sample Specific Notes:
	QCTB-Z	9-9-15	0710	W	1	X		
	AE-2B	9-9-15	0830	W	9	X		MS/MSD
	QCFB-2	9-9-15	0900	W	3	X		
	AE-1B	9-9-15	0935	W	4	X	X	
	AE-1B-1	9-9-15	0936	W	4	X	X	
	75B	9-9-15	1000	W	3	X		
				W				
				W				
				W				
				W				
					Field Filtered (X):			
						1,2	1	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Special Instructions/QC Requirements & Comments: Report to Reporting Limits, not Method Detection Limits. Only report compounds specified on list provided to Project Manager.
This site is an EPA superfund site.
Please invoice to STC HQ (not Accenture). Please email invoice to HQAP@slb.com with bill to address = STC HQAP 1200 Enclave, Honston, TX 77077

Relinquished by	Company	Date/Time	Received by:	Company	Date/Time
[signature]	Weiss Associates	9-9-15/1130	[signature]	[illegible]	9/9/15 1300
[signature]	Weiss	9/9/15 1445	Victor Romo	TA	9/9/15 1995
Victor Romo	TA	9/9/15 1630	[signature]	TAP	9/9/15 1630

☒ = Samples released to a secured, locked area.
● = Samples received from a secured, locked area

rev.1

9/18/2015

Login Sample Receipt Checklist

Client: Weiss Associates

Job Number: 720-67308-1

Login Number: 67308
List Number: 1
Creator: Gonzales, Justinn

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	SEE NCM
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Weiss Associates

Job Number: 720-67308-1

Login Number: 67308
List Number: 2
Creator: Ornelas, Olga

List Source: TestAmerica Irvine
List Creation: 09/11/15 01:37 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Weiss Associates

APPENDIX B

MANN-KENDALL STATISTICS FOR 1,1-DCE GROUNDWATER CONCENTRATION TREND IN WELL RW-25(B)

Weiss Associates

Mann-Kendall Statistical Test for Plume Behavior

The Mann-Kendall is a non-parametric statistical test and is used to test for increasing, decreasing or stable trends. The test should only be used for data that is not affected by seasonality. The data (4 to 10 rounds) should be collected from the same season of the year or the investigator should determine that seasonality has no effect on site groundwater data.

Compare data sequentially:

Concentration of event Xi > event 1: Enter +1
Concentration of event Xi = event 1: Enter 0
Concentration of event Xi < event 1: Enter -1

Where: n = total number of sampling events
Xi = value of given sample event, with i = 2 to n

Sum each row and enter result at the end of the row. Add the sum of each row down to obtain the Mann-Kendall Statistic (S).
If S is positive, then later measurements tend to be bigger than earlier measurements, pointing to an increasing trend in that well.
If S is negative, then a declining trend in that well may be indicated.

Well RW-25B for 1,1-DCE		**Sampling Event 1 2006**	**Sampling Event 2 2007**	**Sampling Event 3 2008**	**Sampling Event 4 2009**	**Sampling Event 5 2010**	**Sampling Event 6 2011**	**Sampling Event 7 2012**	**Sampling Event 8 2013**	**Sampling Event 9 2014**	**Sampling Event 10 2015**	**Sum Rows**
1,1-DCE conc. [ppb] →		11	12	12	11	5.5	11	7.1	6.0	7.6	10	
Compare to Event 1			1	1	0	-1	0	-1	-1	-1	-1	-3
Compare to Event 2				0	-1	-1	-1	-1	-1	-1	-1	-7
Compare to Event 3					-1	-1	-1	-1	-1	-1	-1	-7
Compare to Event 4						-1	0	-1	-1	-1	-1	-5
Compare to Event 5							1	1	1	1	1	5
Compare to Event 6								-1	-1	-1	-1	-4
Compare to Event 7									-1	1	1	1
Compare to Event 8										1	1	2
Compare to Event 9											1	1

Notes:
Half the detection limit is used when the result is not detected

Abbreviations:
1,1-DCE - 1,1-Dichloroethene
ppb - parts per billion

Mann Kendall Statistic (S) =	-17
Number of Rounds (n) =	10
Average =	9.32
Standard Deviation =	2.512
Coefficient of Variation(CV)=	0.270
Trend ≥ 80% Confidence Level	**Decreasing Trend**
Trend ≥ 90% Confidence Level	**Decreasing Trend**

Mann-Kendall Statistic Look Up Table

		90%	80%
n	Range of S	S_{max}	S_{max}
		α = 0.1*	α = 0.2*
4	-6 to + 6	-6	-4
5	-10 to + 10	-7	-5
6	-15 to + 15	-8	-6
7	-21 to + 21	-10	-7
8	-28 to + 28	-11	-8
9	-36 to + 36	-14	-10
10	-45 to + 45	-16	-11

* The probability that the computed Mann-Kendall statistic S≤ Smax is at most α

The table gives the maximum S statistic (Smax) to accept a declining trend alternative at an α level of significance. If the computed S is greater than Smax (or S is a smaller negative number than Smax), we need to accept either a no-trend or an increasing trend in the data.

Test for increasing trend. An increasing trend alternative is accepted if:
1. S is positive
2. S ≥ |Smax| at a given α level of significance (see Table). If the computed S is equal to or greater than the absolute value of Smax, then it can be concluded the plume is advancing at an α level of significance. An α=0.2 (or 80% confidence level) is acceptable for this test.

If the Mann-Kendall Test indicates a no-trend is present, calculate the coefficient of variation to assess the scatter in the data. CV should be ≤ 1 to say that the no-trend hypothesis also indicates a stable plume configuration.

Weiss Associates

APPENDIX C

WELL COMPLETION REPORTS FOR WELLS ABANDONED IN 2015

*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form.

File Original with DWR

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0262817

Page 1 of 8

Owner's Well Number 74(B)

Date Work Began 03/17/2015 Date Work Ended 3/18/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150223009 Permit Date 2/23/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

Latitude N Longitude W

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Hollow Stem Auger Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Overdrilled 2-inch diameter well to 134 feet deep with augers. Tremie grouted from 134 feet deep to ground surface with cement.

Total Depth of Boring 134 Feet

Total Depth of Completed Well 131 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 205 Industrial Blvd.

City Sugar Land State TX Zip 77478

Well Location

Address San Ignacio Avenue

City San Jose County Santa Clara

Latitude Deg. Min. Sec. N Longitude Deg. Min. Sec. W

Datum Dec. Lat. Dec. Long.

APN Book 706 Page 02 Parcel 056

Township Range Section

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water (Feet below surface)

Depth to Static Water Level (Feet) Date Measured

Estimated Yield * (GPM) Test Type

Test Length (Hours) Total Drawdown (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other Well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Cascade Drilling
Person, Firm or Corporation

120 South 23rd Street Richmond CA 94803
Address City State Zip

Signed [signature] 4/21/15
C-57 Licensed Water Well Contractor Date Signed

938110
C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

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State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0262821

Page 1 of 5

Owner's Well Number 82(A)

Date Work Began 03/20/2015 Date Work Ended 3/20/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150223014 Permit Date 2/23/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Hollow Stem Auger Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Tremied cement grout into base of well filling the well to ground surface prior to pressure grouting according to SCVWD inspector's guidelines.

Total Depth of Boring 61.5 Feet

Total Depth of Completed Well 60 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 205 Industrial Blvd.

City Sugar Land State TX Zip 77478

Well Location

Address 121 & 125 Bernal Road

City San Jose County Santa Clara

Latitude ___ Deg. ___ Min. ___ Sec. N Longitude ___ Deg. ___ Min. ___ Sec. W

Datum ___ Dec. Lat. ___ Dec. Long. ___

APN Book 706 Page 01 Parcel 090

Township ___ Range ___ Section ___

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

○ New Well
○ Modification/Repair
  ○ Deepen
  ○ Other ___
◉ Destroy
  Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
  ☐ Domestic ☐ Public
  ☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other ___

Water Level and Yield of Completed Well

Depth to first water ___ (Feet below surface)

Depth to Static Water Level ___ (Feet) Date Measured ___

Estimated Yield * ___ (GPM) Test Type ___

Test Length ___ (Hours) Total Drawdown ___ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other Well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Cascade Drilling
Person, Firm or Corporation

120 South 23rd Street Richmond CA 94803
Address City State Zip

Signed Tabatha Taber 4/21/15 938110
C-57 Licensed Water Well Contractor Date Signed C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

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State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0262825

Page 1 of 5

Owner's Well Number 83(B)

Date Work Began 03/21/2015 Date Work Ended 3/21/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150223004 Permit Date 2/23/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N Latitude W Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Hollow Stem Auger Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Tremied cement grout into base of well filling the well to ground surface prior to pressure grouting according to SCVWD inspector's guidelines.
		SCVWD approved an alternate abandonment method after the destruction permit was issued. This approval is documented in the attached email.

Total Depth of Boring 111.5 Feet

Total Depth of Completed Well 109 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 205 Industrial Blvd.

City Sugar Land State TX Zip 77478

Well Location

Address 85 Great Oaks Blvd.

City San Jose County Santa Clara

Latitude ___ Deg. ___ Min. ___ Sec. N Longitude ___ Deg. ___ Min. ___ Sec. W

Datum ___ Dec. Lat. ___ Dec. Long. ___

APN Book 706 Page 41 Parcel 001

Township ___ Range ___ Section ___

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

- ○ New Well
- ○ Modification/Repair
  - ○ Deepen
  - ○ Other
- ◉ Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

- ○ Water Supply
  - ☐ Domestic ☐ Public
  - ☐ Irrigation ☐ Industrial
- ○ Cathodic Protection
- ○ Dewatering
- ○ Heat Exchange
- ○ Injection
- ○ Monitoring
- ○ Remediation
- ○ Sparging
- ○ Test Well
- ○ Vapor Extraction
- ○ Other

Water Level and Yield of Completed Well

Depth to first water ___ (Feet below surface)

Depth to Static Water Level ___ (Feet) Date Measured ___

Estimated Yield * ___ (GPM) Test Type ___

Test Length ___ (Hours) Total Drawdown ___ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size If Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

- ☐ Geologic Log
- ☐ Well Construction Diagram
- ☐ Geophysical Log(s)
- ☐ Soil/Water Chemical Analyses
- ☑ Other Well data, logs, and email

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Cascade Drilling
Person, Firm or Corporation

120 South 23rd Street Address Richmond City CA State 94803 Zip

Signed Tabitha Taber C-57 Licensed Water Well Contractor 4/21/15 Date Signed

938110 C-57 License Number

DWR 188 REV. 1/2006

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State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0287456

Page 1 of 6

Owner's Well Number 105B

Date Work Began 10/08/2015 Date Work Ended 10/9/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150825002 Permit Date 8/25/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Drilling Fluid

Depth from Surface Feet	to Feet	Description (Describe material, grain size, color, etc)
		Well casing was perforated at 4 perforations per foot between 85- to 95-foot depths prior to backfilling well with cement grout from base of well to ground surface.

Total Depth of Boring 130 Feet

Total Depth of Completed Well 125 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 100 Gillingham Lane

City Sugar Land State TX Zip 77478

Well Location

Address Great Oaks Blvd. Near Santa Teresa Blvd.

City San Jose County Santa Clara

Latitude ___ Deg. ___ Min. ___ Sec. N Longitude ___ Deg. ___ Min. ___ Sec. W

Datum ___ Dec. Lat. ___ Dec. Long. ___

APN Book 706 Page 02 Parcel 055

Township ___ Range ___ Section ___

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents.

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water ___ (Feet below surface)

Depth to Static Water Level ___ (Feet) Date Measured ___

Estimated Yield * ___ (GPM) Test Type ___

Test Length ___ (Hours) Total Drawdown ___ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name MAGGIORA BROS. DRILLING, INC.
Person, Firm or Corporation

595 Airport Blvd. Watsonville CA 95076
Address City State Zip

Signed [signature] 11/2/15 249957
C-57 Licensed Water Well Contractor Date Signed C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

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File Original with DWR

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0287458

Page 1 of 6

Owner's Well Number 106B

Date Work Began 10/13/2015 Date Work Ended 10/20/2015

Local Permit Agency Santa Clara Valley Water District (SCVWD)

Permit Number D20150825008 Permit Date 8/25/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Drilling Fluid

Depth from Surface Feet	to Feet	Description (Describe material, grain size, color, etc)
		Well casing was perforated at 4 perforations per
		foot between 80- to 85-foot depths prior to
		backfilling well with cement grout from base of
		well to ground surface.
		SCVWD provided verbal approval to alter the
		depth of perforation after the destruction permit
		was issued.

Total Depth of Boring 130 Feet

Total Depth of Completed Well 120 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 100 Gillingham Lane

City Sugar Land State TX Zip 77478

Well Location

Address Via Del Oro

City San Jose County Santa Clara

Latitude ___ ___ ___ N Longitude ___ ___ ___ W

Deg. Min. Sec. Deg. Min. Sec.

Datum ___ Dec. Lat. ___ Dec. Long. ___

APN Book 706 Page 03 Parcel 013

Township ___ Range ___ Section ___

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents.

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water ___ (Feet below surface)

Depth to Static Water Level ___ (Feet) Date Measured ___

Estimated Yield * ___ (GPM) Test Type ___

Test Length ___ (Hours) Total Drawdown ___ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name MAGGIORA BROS. DRILLING, INC.
Person, Firm or Corporation

595 Airport Blvd. Watsonville CA 95076
Address City State Zip

Signed [signature] 11/2/15 249957
C-57 Licensed Water Well Contractor Date Signed C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

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State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0287476

Page 1 of 6

Owner's Well Number 107C

Date Work Began 10/13/2015 Date Work Ended 10/20/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150921004 Permit Date 9/21/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N Latitude W Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Drilling Fluid

Depth from Surface Feet	to Feet	Description (Describe material, grain size, color, etc)
		Well casing was perforated at 4 perforations per foot between 138- to 148-foot depths prior to backfilling well with cement grout from base of well to ground surface.

Total Depth of Boring 190 Feet

Total Depth of Completed Well 178 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 100 Gillingham Lane

City Sugar Land State TX Zip 77478

Well Location

Address Via Del Oro

City San Jose County Santa Clara

Latitude Deg. Min. Sec. N Longitude Deg. Min. Sec. W

Datum Dec. Lat. Dec. Long.

APN Book 706 Page 03 Parcel 013

Township Range Section

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents.

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water (Feet below surface)

Depth to Static Water Level (Feet) Date Measured

Estimated Yield * (GPM) Test Type

Test Length (Hours) Total Drawdown (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name MAGGIORA BROS. DRILLING, INC.
Person, Firm or Corporation

595 Airport Blvd. Watsonville CA 95076
Address City State Zip

Signed 10/2/15 249957
C-57 Licensed Water Well Contractor Date Signed C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

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State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0262819

Page 1 of 7

Owner's Well Number 135(B)

Date Work Began 03/24/2015 Date Work Ended 3/24/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150223018 Permit Date 2/23/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Hollow Stem Auger Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Tremied cement grout into base of well filling the
		well to ground surface prior to pressure grouting
		according to SCVWD inspector's guidelines.
		SCVWD approved an alternate abandonment
		method after the destruction permit was issued.
		This approval is documented in the attached email.
		NOTE: The boring depth reported in the original
		Water Well Driller's Report, dated August 8, 1988,
		appears to be in error. The correct boring depth
		was 119 feet as explained in the attached email.

Total Depth of Boring 119 Feet

Total Depth of Completed Well 118 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 205 Industrial Blvd.

City Sugar Land State TX Zip 77478

Well Location

Address Miyuki Drive

City San Jose County Santa Clara

Latitude ___ Deg. ___ Min. ___ Sec. N Longitude ___ Deg. ___ Min. ___ Sec. W

Datum ___ Dec. Lat. ___ Dec. Long. ___

APN Book 706 Page 04 Parcel 021

Township ___ Range ___ Section ___

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other ___
◉ Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other ___

Water Level and Yield of Completed Well

Depth to first water ___ (Feet below surface)

Depth to Static Water Level ___ (Feet) Date Measured ___

Estimated Yield * ___ (GPM) Test Type ___

Test Length ___ (Hours) Total Drawdown ___ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other Well date, logs, and email

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Cascade Drilling
Person, Firm or Corporation

120 South 23rd Street Richmond CA 94803
Address City State Zip

Signed Tabitha Taber 4/21/15 938110
C-57 Licensed Water Well Contractor Date Signed C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

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State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0262827

Page 1 of 6

Owner's Well Number F-6A

Date Work Began 03/20/2015 Date Work Ended 3/20/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150223022 Permit Date 2/23/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Hollow Stem Auger Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Tremied cement grout into base of well filling the well to ground surface prior to pressure grouting according to SCVWD inspector's guidelines.

Total Depth of Boring 46 Feet

Total Depth of Completed Well 44 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 205 Industrial Blvd.

City Sugar Land State TX Zip 77478

Well Location

Address 121 & 125 Bernal Road

City San Jose County Santa Clara

Latitude ___ Deg. ___ Min. ___ Sec. N Longitude ___ Deg. ___ Min. ___ Sec. W

Datum ___ Dec. Lat. ___ Dec. Long. ___

APN Book 706 Page 01 Parcel 090

Township ___ Range ___ Section ___

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other ___
◉ Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other ___

Water Level and Yield of Completed Well

Depth to first water ___ (Feet below surface)

Depth to Static Water Level ___ (Feet) Date Measured ___

Estimated Yield * ___ (GPM) Test Type ___

Test Length ___ (Hours) Total Drawdown ___ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other Well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Cascade Drilling
Person, Firm or Corporation

120 South 23rd Street Richmond CA 94803
Address City State Zip

Signed Tabitha Taber 4/21/15
C-57 Licensed Water Well Contractor Date Signed

938110
C-57 License Number

DWR 188 REV. 1/2006

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Page 1 of 5

Owner's Well Number RW-10C

Date Work Began 10/14/2015 Date Work Ended 10/21/2015

Local Permit Agency Santa Clara Valley Water District (SCVWD)

Permit Number D20150825010 Permit Date 8/25/15

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0287478

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Well casing was perforated at 8 perforations per foot between 135- to 143-foot depths prior to backfilling well with cement grout from base of well to ground surface.
		SCVWD provided verbal approval to alter the depth of perforation after the destruction permit was issued.

Total Depth of Boring 190 Feet

Total Depth of Completed Well 182 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 100 Gillingham Lane

City Sugar Land State TX Zip 77478

Well Location

Address Via Del Oro

City San Jose County Santa Clara

Latitude Deg. Min. Sec. N Longitude Deg. Min. Sec. W

Datum Dec. Lat. Dec. Long.

APN Book 706 Page 03 Parcel 013

Township Range Section

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents.

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water (Feet below surface)

Depth to Static Water Level (Feet) Date Measured

Estimated Yield * (GPM) Test Type

Test Length (Hours) Total Drawdown (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name MAGGIORA BROS. DRILLING, INC.
Person, Firm or Corporation

595 Airport Blvd. Watsonville CA 95076
Address City State Zip

Signed
C-57 Licensed Water Well Contractor

11/2/15
Date Signed

249957
C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

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Page 1 of 6

Owner's Well Number RW-13B

Date Work Began 10/14/2015 Date Work Ended 10/21/2015

Local Permit Agency Santa Clara Valley Water District (SCVWD)

Permit Number D20150825009 Permit Date 8/25/15

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0287480

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Drilling Fluid

Depth from Surface Feet	to Feet	Description (Describe material, grain size, color, etc)
		Well casing was perforated at 8 perforations per
		foot between 60- to 67-foot depths prior to
		backfilling well with cement grout from base of
		well to ground surface.
		SCVWD provided verbal approval to alter the
		depth of perforation after the destruction permit
		was issued.

Total Depth of Boring 115 Feet

Total Depth of Completed Well 105 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 100 Gillingham Lane

City Sugar Land State TX Zip 77478

Well Location

Address Via Del Oro

City San Jose County Santa Clara

Latitude ___ Deg. ___ Min. ___ Sec. N Longitude ___ Deg. ___ Min. ___ Sec. W

Datum Dec. Lat. Dec. Long.

APN Book 706 Page 03 Parcel 013

Township Range Section

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents.

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water (Feet below surface)

Depth to Static Water Level (Feet) Date Measured

Estimated Yield * (GPM) Test Type

Test Length (Hours) Total Drawdown (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name MAGGIORA BROS. DRILLING, INC.
Person, Firm or Corporation

595 Airport Blvd. Watsonville CA 95076
Address City State Zip

Signed
C-57 Licensed Water Well Contractor

1/26/16 249957
Date Signed C-57 License Number

DWR 188 REV. 1/2006

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Page 1 of 6

Owner's Well Number RW-20B

Date Work Began 10/15/2015 Date Work Ended 10/22/2015

Local Permit Agency Santa Clara Valley Water District (SCVWD)

Permit Number D20150825006 Permit Date 8/25/15

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0287482

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N Latitude W Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Drilling Fluid

Depth from Surface Feet	to Feet	Description (Describe material, grain size, color, etc)
		Well casing was perforated at 8 perforations per
		foot between 80- to 85-foot depths prior to
		backfilling well with cement grout from base of
		well to ground surface.
		SCVWD provided verbal approval to alter the
		depth of perforation after the destruction permit
		was issued.

Total Depth of Boring 135 Feet

Total Depth of Completed Well 122 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 100 Gillingham Lane

City Sugar Land State TX Zip 77478

Well Location

Address Via Del Oro

City San Jose County Santa Clara

Latitude Deg. Min. Sec. N Longitude Deg. Min. Sec. W

Datum Dec. Lat. Dec. Long.

APN Book 706 Page 03 Parcel 013

Township Range Section

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents.

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water (Feet below surface)

Depth to Static Water Level (Feet) Date Measured

Estimated Yield * (GPM) Test Type

Test Length (Hours) Total Drawdown (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name MAGGIORA BROS. DRILLING, INC.
Person, Firm or Corporation

595 Airport Blvd. Watsonville CA 95076
Address City State Zip

Signed
C-57 Licensed Water Well Contractor

11/2/15
Date Signed

249957
C-57 License Number

DWR 188 REV. 1/2006

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Page 1 of 13

Owner's Well Number RW-27B

Date Work Began 10/16/2015 Date Work Ended 10/19/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150825004 Permit Date 8/25/15

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0287484

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N Latitude W Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Drilling Fluid

Depth from Surface Feet	to Feet	Description (Describe material, grain size, color, etc)
		Well casing was perforated at 8 perforations per
		foot between 75- to 87-foot depths prior to
		backfilling well with cement grout from base of
		well to ground surface.

Total Depth of Boring 124 Feet

Total Depth of Completed Well 124 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 100 Gillingham Lane

City Sugar Land State TX Zip 77478

Well Location

Address Via Del Oro

City San Jose County Santa Clara

Latitude ___ Deg. ___ Min. ___ Sec. N Longitude ___ Deg. ___ Min. ___ Sec. W

Datum ___ Dec. Lat. ___ Dec. Long. ___

APN Book 706 Page 03 Parcel 013

Township ___ Range ___ Section ___

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents.

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water ___ (Feet below surface)

Depth to Static Water Level ___ (Feet) Date Measured ___

Estimated Yield * ___ (GPM) Test Type ___

Test Length ___ (Hours) Total Drawdown ___ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name MAGGIORA BROS. DRILLING, INC.
Person, Firm or Corporation

595 Airport Blvd. Watsonville CA 95076
Address City State Zip

Signed [signature] 11/5/15 249957
C-57 Licensed Water Well Contractor Date Signed C-57 License Number

DWR 188 REV. 1/2006

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State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0287486

Page 1 of 6

Owner's Well Number WCC-04A

Date Work Began 09/24/2015 Date Work Ended 9/24/2015

Local Permit Agency Santa Clara Valley Water District (SCVWD)

Permit Number D20150921005 Permit Date 9/21/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N Latitude W Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Tremied cement grout into base of well, filling the well to ground surface prior to pressure grouting according to SCVWD inspector's guidelines.

Total Depth of Boring 58 Feet

Total Depth of Completed Well 58 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 100 Gillingham Lane

City Sugar Land State TX Zip 77478

Well Location

Address 101 Bernal Road

City San Jose County Santa Clara

Latitude Deg. Min. Sec. N Longitude Deg. Min. Sec. W

Datum Dec. Lat. Dec. Long.

APN Book 706 Page 01 Parcel 085

Township Range Section

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents.

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water (Feet below surface)

Depth to Static Water Level (Feet) Date Measured

Estimated Yield * (GPM) Test Type

Test Length (Hours) Total Drawdown (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name MAGGIORA BROS. DRILLING, INC.
Person, Firm or Corporation

595 Airport Blvd. Watsonville CA 95076
Address City State Zip

Signed
C-57 Licensed Water Well Contractor

11/5/15
Date Signed

249957
C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

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State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0287488

Page 1 of 6

Owner's Well Number WCC-06C

Date Work Began 09/23/2015 Date Work Ended 9/23/2015

Local Permit Agency Santa Clara Valley Water District (SCVWD)

Permit Number D20150921002 Permit Date 9/21/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Tremied cement grout into base of well, filling
		the well to ground surface prior to pressure
		grouting according to SCVWD inspector's
		guidelines.

Total Depth of Boring 350 Feet

Total Depth of Completed Well 190 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 100 Gillingham Lane

City Sugar Land State TX Zip 77478

Well Location

Address 121 & 125 Bernal Road

City San Jose County Santa Clara

Latitude ___ ___ ___ N Longitude ___ ___ ___ W

Deg. Min. Sec. Deg. Min. Sec.

Datum ___ Dec. Lat. ___ Dec. Long. ___

APN Book 706 Page 01 Parcel 090

Township ___ Range ___ Section ___

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents.

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water ___ (Feet below surface)

Depth to Static Water Level ___ (Feet) Date Measured ___

Estimated Yield * ___ (GPM) Test Type ___

Test Length ___ (Hours) Total Drawdown ___ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name MAGGIORA BROS. DRILLING, INC.
Person, Firm or Corporation

595 Airport Blvd. Watsonville CA 95076
Address City State Zip

Signed [signature] 11/5/15 249957
C-57 Licensed Water Well Contractor Date Signed C-57 License Number

DWR 188 REV. 1/2006

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State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0262829

Page 1 of 6

Owner's Well Number WCC-13(B)

Date Work Began 03/16/2015 Date Work Ended 3/16/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150223007 Permit Date 2/23/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Hollow Stem Auger Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Overdrilled 2-inch diameter well to 100 feet deep
		with augers. Tremie grouted from 100 feet
		deep to ground surface with cement.
		NOTE: During well abandonment, total well depth
		was confirmed to be 70 feet, not 80 feet as
		indicated by the original Water Well Driller's
		Report, dated August 8, 1982.

Total Depth of Boring 100 Feet

Total Depth of Completed Well 70 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 205 Industrial Blvd.

City Sugar Land State TX Zip 77478

Well Location

Address San Ignacio Avenue

City San Jose County Santa Clara

Latitude ___ Deg. ___ Min. ___ Sec. N Longitude ___ Deg. ___ Min. ___ Sec. W

Datum ___ Dec. Lat. ___ Dec. Long. ___

APN Book 706 Page 02 Parcel 056

Township ___ Range ___ Section ___

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other ___
◉ Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other ___

Water Level and Yield of Completed Well

Depth to first water ___ (Feet below surface)

Depth to Static Water Level ___ (Feet) Date Measured ___

Estimated Yield * ___ (GPM) Test Type ___

Test Length ___ (Hours) Total Drawdown ___ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (inches)	Type	Material	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if Any (inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other Well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Cascade Drilling
Person, Firm or Corporation

120 South 23rd Street Richmond CA 94803
Address City State Zip

Signed Tabitha Taber 9/21/15 938110
C-57 Licensed Water Well Contractor Date Signed C-57 License Number

DWR 188 REV. 1/2006

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State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0262833

Page 1 of 6

Owner's Well Number WCC-26(B)

Date Work Began 03/23/2015 Date Work Ended 3/23/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150223025 Permit Date 2/23/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N Latitude W Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Hollow Stem Auger Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Overdrilled 2-inch diameter well to 110 feet deep with augers. Tremie grouted from 110 feet deep to ground surface with cement.

Total Depth of Boring 110 Feet

Total Depth of Completed Well 96 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 205 Industrial Blvd.

City Sugar Land State TX Zip 77478

Well Location

Address Santa Teresa Blvd. at VTA Station Driveway

City San Jose County Santa Clara

Latitude Deg. Min. Sec. N Longitude Deg. Min. Sec. W

Datum Dec. Lat. Dec. Long.

APN Book 706 Page 03 Parcel 013

Township Range Section

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water (Feet below surface)

Depth to Static Water Level (Feet) Date Measured

Estimated Yield * (GPM) Test Type

Test Length (Hours) Total Drawdown (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other Well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Cascade Drilling
Person, Firm or Corporation

120 South 23rd Street Richmond CA 94803
Address City State Zip

Signed Tabitha Taber 4/21/15 938110
C-57 Licensed Water Well Contractor Date Signed C-57 License Number

DWR 188 REV. 1/2006

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Well Completion Report

Refer to Instruction Pamphlet

No. e0262836

Page 1 of 6

Owner's Well Number WCC-27(B)

Date Work Began 03/20/2015 Date Work Ended 3/20/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150223013 Permit Date 2/23/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N Latitude W Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Hollow Stem Auger Drilling Fluid

Depth from Surface Feet	to Feet	Description (Describe material, grain size, color, etc)
		Overdrilled 2-inch diameter well to 118 feet deep with augers. Tremie grouted from 118 feet deep to ground surface with cement.

Total Depth of Boring 118 Feet

Total Depth of Completed Well 113 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 205 Industrial Blvd.

City Sugar Land State TX Zip 77478

Well Location

Address Santa Teresa Station/in field by driveway near parking lot

City San Jose County Santa Clara

Latitude ___ Deg. ___ Min. ___ Sec. N Longitude ___ Deg. ___ Min. ___ Sec. W

Datum ___ Dec. Lat. ___ Dec. Long. ___

APN Book 706 Page 03 Parcel 013

Township ___ Range ___ Section ___

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

- ○ New Well
- ○ Modification/Repair
  - ○ Deepen
  - ○ Other ___
- ◉ Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

- ○ Water Supply
  - ☐ Domestic ☐ Public
  - ☐ Irrigation ☐ Industrial
- ○ Cathodic Protection
- ○ Dewatering
- ○ Heat Exchange
- ○ Injection
- ○ Monitoring
- ○ Remediation
- ○ Sparging
- ○ Test Well
- ○ Vapor Extraction
- ○ Other ___

Water Level and Yield of Completed Well

Depth to first water ___ (Feet below surface)

Depth to Static Water Level ___ (Feet) Date Measured ___

Estimated Yield * ___ (GPM) Test Type ___

Test Length ___ (Hours) Total Drawdown ___ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

- ☐ Geologic Log
- ☐ Well Construction Diagram
- ☐ Geophysical Log(s)
- ☐ Soil/Water Chemical Analyses
- ☑ Other Well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Cascade Drilling

Person, Firm or Corporation

120 South 23rd Street Richmond CA 94803

Address City State Zip

Signed Tabitha Taze 4/21/15

C-57 Licensed Water Well Contractor Date Signed

938110

C-57 License Number

DWR 188 REV. 1/2006

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Well Completion Report

Refer to Instruction Pamphlet

No. e0262838

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N Latitude W Longitude

APN/TRS/Other

Page 1 of 6

Owner's Well Number WCC-29(B)

Date Work Began 03/19/2015 Date Work Ended 3/19/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150223011 Permit Date 2/23/15

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Hollow Stem Auger Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Overdrilled 2-inch diameter well to 127 feet deep
		with augers. Tremie grouted from 127 feet
		deep to ground surface with cement.

Total Depth of Boring 127 Feet

Total Depth of Completed Well 124 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 205 Industrial Blvd.

City Sugar Land State TX Zip 77478

Well Location

Address Santa Teresa Station/in field near Via Del Oro

City San Jose County Santa Clara

Latitude ___ Deg. ___ Min. ___ Sec. N Longitude ___ Deg. ___ Min. ___ Sec. W

Datum ___ Dec. Lat. ___ Dec. Long. ___

APN Book 706 Page 03 Parcel 013

Township ___ Range ___ Section ___

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water ___ (Feet below surface)

Depth to Static Water Level ___ (Feet) Date Measured ___

Estimated Yield * ___ (GPM) Test Type ___

Test Length ___ (Hours) Total Drawdown ___ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size If Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other Well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Cascade Drilling
Person, Firm or Corporation

120 South 23rd Street Richmond CA 94803
Address City State Zip

Signed Tabitha Taber
C-57 Licensed Water Well Contractor

Date Signed

938110
C-57 License Number

DWR 188 REV. 1/2006

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Well Completion Report

Refer to Instruction Pamphlet

No. e0262840

Page 1 of 6

Owner's Well Number WCC-31(B)

Date Work Began 03/20/2015 Date Work Ended 3/20/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150223019 Permit Date 2/23/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

Latitude N Longitude W

APN/TRS/Other

Geologic Log

Orientation ⊙ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Hollow Stem Auger Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Tremied cement grout into base of well filling the well to ground surface prior to pressure grouting according to SCVWD inspector's guidelines.

Total Depth of Boring 60 Feet

Total Depth of Completed Well 60 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 205 Industrial Blvd.

City Sugar Land State TX Zip 77478

Well Location

Address 121 & 125 Bernal Road

City San Jose County Santa Clara

Latitude Deg. Min. Sec. N Longitude Deg. Min. Sec. W

Datum Dec. Lat. Dec. Long.

APN Book 706 Page 01 Parcel 090

Township Range Section

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

- ○ New Well
- ○ Modification/Repair
  - ○ Deepen
  - ○ Other
- ⊙ Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

- ○ Water Supply
  - ☐ Domestic ☐ Public
  - ☐ Irrigation ☐ Industrial
- ○ Cathodic Protection
- ○ Dewatering
- ○ Heat Exchange
- ○ Injection
- ○ Monitoring
- ○ Remediation
- ○ Sparging
- ○ Test Well
- ○ Vapor Extraction
- ○ Other

Water Level and Yield of Completed Well

Depth to first water (Feet below surface)

Depth to Static Water Level (Feet) Date Measured

Estimated Yield * (GPM) Test Type

Test Length (Hours) Total Drawdown (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

- ☐ Geologic Log
- ☐ Well Construction Diagram
- ☐ Geophysical Log(s)
- ☐ Soil/Water Chemical Analyses
- ☑ Other Well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Cascade Drilling (Person, Firm or Corporation)

Address 120 South 23rd Street City Richmond State CA Zip 94803

Signed Tabitha Taber (C-57 Licensed Water Well Contractor) Date Signed 4/21/15

C-57 License Number 938110

DWR 188 REV. 1/2006

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Well Completion Report

Refer to Instruction Pamphlet

No. e0262841

Page 1 of 5

Owner's Well Number WCC-37(B)

Date Work Began 03/24/2015 Date Work Ended 3/24/2015

Local Permit Agency Santa Clara Valley Water District

Permit Number D20150223016 Permit Date 2/23/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Hollow Stem Auger Drilling Fluid

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
		Overdrilled 2-inch diameter well to 98 feet deep with augers. Tremie grouted from 98 feet deep to ground surface with cement.

Total Depth of Boring 98 Feet

Total Depth of Completed Well 92 Feet

Well Owner

Name Fairchild Semiconductor Corporation

Mailing Address 205 Industrial Blvd.

City Sugar Land State TX Zip 77478

Well Location

Address 121 & 125 Bernal Road

City San Jose County Santa Clara

Latitude ___ ___ ___ N Longitude ___ ___ ___ W (Deg. Min. Sec.)

Datum ___ Dec. Lat. ___ Dec. Long. ___

APN Book 706 Page 01 Parcel 090

Township ___ Range ___ Section ___

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

See attached documents

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

○ New Well
○ Modification/Repair
○ Deepen
○ Other
◉ Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water ___ (Feet below surface)

Depth to Static Water Level ___ (Feet) Date Measured ___

Estimated Yield * ___ (GPM) Test Type ___

Test Length ___ (Hours) Total Drawdown ___ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other Well data and logs

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Cascade Drilling
Person, Firm or Corporation

120 South 23rd Street Richmond CA 94803
Address City State Zip

Signed Tabitha Taber 4/21/15
C-57 Licensed Water Well Contractor Date Signed

938110
C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Weiss Associates

APPENDIX D

FIELD SHEETS FROM GROUNDWATER SAMPLING

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	126(B)
Project Number:	363-2014-8-200.220	**Sample ID:**	1214-01
Personnel:	AMB	**Sample Date:** 12-16-14	**Time:** 1008

WEATHER ☐ Sunny ☑ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 65°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☑ No ID#: 2739	Tubing Dedicated? ☐ Yes ☐ No ☑ Disposable
☑ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☑ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 6 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☑ Yes ☐ No
Depth to Water 70.62 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): NA
Measured Well Depth ft.	Pump Intake Set At: 72.8 ft. ☐ NA	Actual Purge Volume (units): 900ml

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units: 100ml/min)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
300ml	0959	70.82	7.38	374	—	—	16.3
600ml	1002	70.82	7.35	377	—	—	16.1
900ml	1005	70.82	7.33	368	—	—	16.2
Final Readings:	Temperature: 16.2 °C						
☑ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☐ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

- Bottom of screen 75 ft - 70.62 ft = 4.38/2 = 2.19, 75-2.19 = 72.81

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: Alan Bon **Date:** 12-16-14

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name: Schlumberger/Fairchild (San Jose) **Sample Location:** 116(B)

Project Number: 363-2014-8-200.220 **Sample ID:** 1214-02

Personnel: AMB **Sample Date:** 12-16-14 Time: 1100

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☑ Windy Temp (units): 65°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☑ No ID#: 2726 ☑ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	Tubing Dedicated? ☐ Yes ☐ No ☑ Disposable ☐ PVC ☑ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 2 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☑ Yes ☐ No
Depth to Water 68.00 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): NA
Measured Well Depth NA ft.	Pump Intake Set At: 78 ft. ☐ NA	Actual Purge Volume (units):

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units: 150 ml/min)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
450ml	1053	68.01	7.45	414	—	—	15.9
900ml	1056	68.01	7.39	422	—	—	15.8
1350ml	1059	68.01	7.46	426	—	—	15.8
Final Readings:	Temperature: 15.8 °C						
☑ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 12-16-14

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	126(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	0315-01
Personnel:	BJP	**Sample Date:** 3-13-15	**Time:** 0945

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 65°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☑ No ID#: 2412	Tubing Dedicated? ☐ Yes ☐ No ☑ Disposable
☑ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☑ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☐ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 6 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☑ Yes ☐ No
Depth to Water 69.95 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): —
Measured Well Depth 74.70 ft.	Pump Intake Set At: 72 (70) ft. ☐ NA	Actual Purge Volume (units): 3150 mL

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units: mL)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
start purge	0920						
150mL/min	0923	water in line					
450	0926	69.97	6.60	781	2.17	227.4	16.52
900	0929	69.97	6.63	756	1.99	223.6	16.91
1350	0932	69.98	6.64	762	1.82	209.1	17.01
1800	0935	69.98	6.66	765	1.59	201.2	17.20
2250	0938	69.98	6.67	765	1.51	196.9	17.34
2700	0941	69.98	6.69	765	1.39	193.1	17.56
3150	0944	69.98	6.70	762	1.29	190.1	17.71
Final Readings:	Temperature: 17.71 °C						
☐ Stabilization Goals (project specific):							
☑ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

1/3 bolt holes on lid too big bolt does not secure it

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: BJP **Date:** 3-13-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	116(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	0315-02
Personnel:	BJP	**Sample Date:**	3-13-15 Time: 1029

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 65°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☑ Yes ☐ No ID#: 2412	Tubing Dedicated? ☐ Yes ☐ No ☑ Disposable
☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 2 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☑ Yes ☐ No
Depth to Water 69.45 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): —
Measured Well Depth 82.24 ft.	Pump Intake Set At: 78 ft. ☐ NA	Actual Purge Volume (units): 1800mL

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units: mL)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
start purge	1008						
100 mL/min	1010	water in line					
300	1013	69.48	6.90	437	2.14	207.1	17.01
600	1016	69.48	6.94	776	1.75	127.9	17.86
900	1019	69.48	6.91	775	1.50	143.6	18.04
1200	1022	69.49	6.90	777	1.34	151.9	18.08
1500	1025	69.49	6.90	777	1.24	154.2	18.08
1800	1028	69.49	6.89	778	1.17	154.7	18.13
Final Readings:	Temperature: 18.13°C						
☐ Stabilization Goals (project specific):							
☑ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

Replaced cap, old cap too loose, water level up to casing potential intrusion

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 3-13-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name: Schlumberger/Fairchild (San Jose) **Sample Location:** 126(B)

Project Number: 363-2015-8-200.220 **Sample ID:** 126B

Personnel: AMB **Sample Date:** 6-10-15 **Time:** NA

WEATHER ☐ Sunny ☑ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 65°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☑ No ID#:	Tubing Dedicated? ☑ Yes ☐ No ☐ Disposable
☑ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 6 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☑ Yes ☐ No
Depth to Water 71.90 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): —
Measured Well Depth 74.68 ft.	Pump Intake Set At: ft. ☐ NA	Actual Purge Volume (units): —

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump **Rate/Volume** (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	**Temperature:** °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☐ Yes ☐ No (Explain): NA

Color:	☐ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☐ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☐ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☐ No Variances

- Sample not collected due to lack of water

Sampler Signature: [signature] **Date:** 6-10-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name: Schlumberger/Fairchild (San Jose) **Sample Location:** 116(B)

Project Number: 363-2015-8-200.220 **Sample ID:** 116B

Personnel: AMB **Sample Date:** 6-10-15 **Time:** 1113

WEATHER ☐ Sunny ☑ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 65°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☑ No ID#: 2726 ☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	Tubing Dedicated? ☑ Yes ☐ No ☐ Disposable ☐ PVC ☑ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 2 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☑ Yes ☐ No
Depth to Water 70.67 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): —
Measured Well Depth 82.24 ft.	Pump Intake Set At: 78 ft. ☐ NA	Actual Purge Volume (units): —

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump **Rate/Volume** (units: 150 ml/min)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Start	1103	—					
450 ml	1106	70.67	6.58	552	—	—	~~23.39~~
900 ml	1109	70.67	6.44	555	—	—	23.20
1350 ml	1112	70.67	6.43	556	—	—	~~23.02~~
Final Readings:	**Temperature:** 23.02°C						
☑ Stabilization Goals (project specific):			±10%	±10%			±10%
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 6-10-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	127(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	127B
Personnel:	BJP	**Sample Date:**	9-8-15 **Time:** 1035

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 80°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT H.S.

Pump Dedicated? ☐ Yes ☑ No ID#: N/A ☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable N/A ☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☐ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter	6 in.	Well Casing Material:	PVC	Low-Flow/Micropurge Method?	☐ Yes ☑ No
Depth to Water	77.50 ft.	DTW Reference Point[1]:	TOC	Required Purge Volume[2] (units):	—
Measured Well Depth	— ft.	Pump Intake Set At:	ft. ☑ NA	Actual Purge Volume (units):	—

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	**Temperature:** °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):		± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV		

SAMPLE APPEARANCE VOAs free of air bubbles? ☐ Yes ☑ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☑ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature:  **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	RW-25(B)-90'
Project Number:	363-2015-8-200.220	**Sample ID:**	RW-25B-90
Personnel:	AMB	**Sample Date:** 9-8-15	**Time:** 1145

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 90°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☑ No ID#: 2726	Tubing Dedicated? ☑ Yes ☐ No ☐ Disposable
☑ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☑ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter	2 in.	Well Casing Material:	Metal	Low-Flow/Micropurge Method?	☑ Yes ☐ No
Depth to Water	77.55 ft.	DTW Reference Point[1]:	TOC	Required Purge Volume[2] (units):	NA
Measured Well Depth	90.11 ft.	Pump Intake Set At:	90 ft. ☐ NA	Actual Purge Volume (units):	2600 mL

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units: ~~Total Cont. Avg~~ 100 mL/min)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Start Purge	1116						
800 ml	1124	77.55	8.72	509	3.73	72.1	27.61
1100 ml	1127	77.55	9.16	554	0.86	8.2	25.21
1400 ml	1130	77.55	9.20	572	0.24	-35.7	24.66
1700 ml	1133	77.55	9.27	576	0.00	-69.1	23.99
2000 ml	1136	77.55	9.40	589	0.00	-141.2	24.04
2300 ml	1139	77.55	9.46	592	0.00	-143.1	24.09
2600 ml	1142	77.55	9.46	594	0.00	-136.1	24.11
Final Readings:	Temperature: 24.11 °C						
☐ Stabilization Goals (project specific):							
☑ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

- pH higher than normal. Quick Cal solution used to calibrate. Heat may affect readings.

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	128(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	128B
Personnel:	BJP	**Sample Date:** 9-8-15	**Time:** 1055

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 85°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☑ No ID#: H-5,	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable N/A
☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 6 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☐ Yes ☑ No
Depth to Water 77.85 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): —
Measured Well Depth — ft.	Pump Intake Set At: ft. ☑ NA	Actual Purge Volume (units): —

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	**Temperature:** °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: BJP **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	129(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	129B
Personnel:	BJD	**Sample Date:**	9-8-15 **Time:** 1130

WEATHER ☐ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 85°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT H&S

Pump Dedicated? ☐ Yes ☐ No ID#: N/A ☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable N/A ☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 6 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☐ Yes ☑ No
Depth to Water 78.53 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): —
Measured Well Depth — ft.	Pump Intake Set At: ft. ☑ NA	Actual Purge Volume (units): —

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	**Temperature:** °C						
Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	119(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	119B
Personnel:	BTP	**Sample Date:**	9-8-15 **Time:** 1155

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 90°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☐ No ID#: N/A	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable N/A
☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 4 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☐ Yes ☑ No
Depth to Water 74.43 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): —
Measured Well Depth — ft.	Pump Intake Set At: ft. ☑ NA	Actual Purge Volume (units): —

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	Temperature: °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: BTP **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	120(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	120B
Personnel:	BTP	**Sample Date:**	9-8-15 **Time:** 1220

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 90°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT H.S.

Pump Dedicated? ☐ Yes ☐ No ID#: N/A	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable N/A
☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 4 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☐ Yes ☑ No
Depth to Water 74.56 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): —
Measured Well Depth — ft.	Pump Intake Set At: ft. ☑ NA	Actual Purge Volume (units): —

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	**Temperature:** °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):		± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV		

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	122(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	122B / QCFB-1
Personnel:	BTP	**Sample Date:**	9-8-15 **Time:** 1245 / 1255

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 90°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☐ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT H.S.

Pump Dedicated? ☐ Yes ☐ No ID#: N/A	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable N/A
☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter	4 in.	Well Casing Material:	PVC	Low-Flow/Micropurge Method? ☐ Yes ☑ No	
Depth to Water	73.58 ft.	DTW Reference Point[1]:	TOC	Required Purge Volume[2] (units):	—
Measured Well Depth	— ft.	Pump Intake Set At:	ft. ☑ NA	Actual Purge Volume (units):	—

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	Temperature: °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

Collected HSEB after MW-1 well

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	WCC-42(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	WCC-42B
Personnel:	BOP	**Sample Date:**	9-8-15 **Time:** 1315

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 90°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT H.S.

Pump Dedicated? ☐ Yes ☐ No ID#: N/A ☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable N/A ☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☐ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): Rate:

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter	2 in.	Well Casing Material:	PVC	Low-Flow/Micropurge Method? ☐ Yes ☑ No	
Depth to Water	74.68 ft.	DTW Reference Point[1]:	TOC	Required Purge Volume[2] (units):	—
Measured Well Depth	— ft.	Pump Intake Set At:	ft. ☑ NA	Actual Purge Volume (units):	—

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump **Rate/Volume** (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	**Temperature:** °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☐ Yes ☐ No (Explain):

Color:	☐ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☐ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☐ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	131(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	131B
Personnel:	BJP	**Sample Date:**	9-8-15 **Time:** 1340

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 90°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT H.S.

Pump Dedicated? ☐ Yes ☐ No ID#: N/A ☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable N/A ☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter	4 in.	Well Casing Material:	PVC	Low-Flow/Micropurge Method? ☐ Yes ☑ No	
Depth to Water	71.67 ft.	DTW Reference Point[1]:	TOC	Required Purge Volume[2] (units):	—
Measured Well Depth	— ft.	Pump Intake Set At:	ft. ☑ NA	Actual Purge Volume (units):	—

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	**Temperature:** °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☐ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☐ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☐ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☐ No Variances

Sampler Signature: [signature] **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	116(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	116B
Personnel:	BJP	**Sample Date:**	9-8-15 **Time:** 1400

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 90°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT 4S.

Pump Dedicated? ☐ Yes ☐ No ID#: N/A ☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable N/A ☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 2 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☐ Yes ☐ No
Depth to Water 72.78 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): —
Measured Well Depth — ft.	Pump Intake Set At: ft. ☐ NA	Actual Purge Volume (units): —

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump **Rate/Volume** (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	**Temperature:** °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: BJP **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	WCC-2(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	WCC-2B
Personnel:	BOP / AWB	**Sample Date:**	— **Time:** —

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 70°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☐ No ID#:	Tubing Dedicated? ☑ Yes ☐ No ☐ Disposable
☑ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☑ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter	6 in.	Well Casing Material:	PVC	Low-Flow/Micropurge Method?	☐ Yes ☑ No
Depth to Water	DRY ft.	DTW Reference Point[1]:	TOC	Required Purge Volume[2] (units):	—
Measured Well Depth	68.50 ft.	Pump Intake Set At:	ft. ☑ NA	Actual Purge Volume (units):	—

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump **Rate/Volume** (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
NO SAMPLE TAKEN			WELL IS DRY				
Final Readings:	**Temperature:** °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☐ Yes ☐ No (Explain):

Color:	☐ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☐ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☐ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☐ No Variances

Sampler Signature: [signature] **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	WCC-1(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	WCC-1B
Personnel:	AMB	**Sample Date:**	9-8-15 **Time:** 1315

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 98°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☐ No ID#: ☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☑ Other: HS	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable ☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon NA
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☐ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 6 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☐ Yes ☑ No
Depth to Water 71.82 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): NA
Measured Well Depth 91.70 ft.	Pump Intake Set At: 79.2 ft. ☐ NA	Actual Purge Volume (units): NA

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	Temperature: °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name: Schlumberger/Fairchild (San Jose) **Sample Location:** 146(B)

Project Number: 363-2015-8-200.220 **Sample ID:** 146B

Personnel: AMB **Sample Date:** 9-8-15 **Time:** 1355

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 95°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☐ No ID#:	Tubing Dedicated? ☐ Yes ☑ No ☐ Disposable
☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☑ Other: HS	☐ PVC ☐ Polyethylene ☐ Teflon ☑ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 4 in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☐ Yes ☑ No
Depth to Water 73.68 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): NA
Measured Well Depth 102.63 ft.	Pump Intake Set At: 85 ft. ☐ NA	Actual Purge Volume (units): NA

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	Temperature: °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	145(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	145B
Personnel:	AMB	**Sample Date:**	9-8-15 **Time:** 1425

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 95°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☐ No ID#:	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable
☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☑ Other: HS	☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☐ Yes ☑ No
Depth to Water 74.32 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): NA
Measured Well Depth 82.86 ft.	Pump Intake Set At: 77.2 ft. ☐ NA	Actual Purge Volume (units): NA

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	Temperature: °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 9-8-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	AE-2(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	AE-2B
Personnel:	BOP	**Sample Date:**	9-9-15 **Time:** 0830

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 80° F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT H.S.

Pump Dedicated? ☐ Yes ☑ No ID#:	Tubing Dedicated? ☐ Yes ☑ No ☐ Disposable
☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter	2 in.	Well Casing Material:	PVC	Low-Flow/Micropurge Method?	☐ Yes ☑ No
Depth to Water	7.205 ft.	DTW Reference Point[1]:	TOC	Required Purge Volume[2] (units):	—
Measured Well Depth	— ft.	Pump Intake Set At:	ft. ☑ NA	Actual Purge Volume (units):	—

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	Temperature: °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):		± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV		

SAMPLE APPEARANCE VOAs free of air bubbles? ☐ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

MS/MSD collected

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: BRC **Date:** 9.9.15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	AE-1(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	AE-1B AE-1B-1
Personnel:	BJP	**Sample Date:**	9-9-15 **Time:** 0935/0936

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 80°F

SAMPLE TYPE ☑ Original ☑ Duplicate ☑ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT H.S.

Pump Dedicated? ☐ Yes ☑ No ID#: ☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable NA ☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☑ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter	4 in.	Well Casing Material:	PVC	Low-Flow/Micropurge Method? ☐ Yes ☑ No	
Depth to Water	73.07 ft.	DTW Reference Point[1]:	TOC	Required Purge Volume[2] (units):	—
Measured Well Depth	— ft.	Pump Intake Set At:	ft. ☑ NA	Actual Purge Volume (units):	—

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	**Temperature:** °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☑ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☐ None ☐ Sheen ☑ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

QCFB-2 @ 0900

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 9-9-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name:	Schlumberger/Fairchild (San Jose)	**Sample Location:**	75(B)
Project Number:	363-2015-8-200.220	**Sample ID:**	75B
Personnel:	BDP	**Sample Date:**	9-9-15 **Time:** 1000

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 80°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT 4.5.

Pump Dedicated? ☐ Yes ☐ No ID#: NA ☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	Tubing Dedicated? ☐ Yes ☐ No ☐ Disposable NA ☐ PVC ☐ Polyethylene ☐ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 2 in.	Well Casing Material: Steel	Low-Flow/Micropurge Method? ☐ Yes ☑ No
Depth to Water 73.57 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units): —
Measured Well Depth — ft.	Pump Intake Set At: ft. ☐ NA	Actual Purge Volume (units): —

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units:)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Final Readings:	**Temperature:** °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☐ Yes ☐ No (Explain):

Color:	☐ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other: red
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☐ None ☐ Sheen ☑ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☐ No Variances

Sampler Signature: **Date:**

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.