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January 26, 2009
C6-CRE-T-09-001

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

Attention: Information Technology Unit

Subject: **2008 SEMIANNUAL WASTE DISCHARGE REQUIREMENTS (WDR) MONITORING REPORT,**
COMPLIANCE FILE CI-9310, ORDER NO. R4-2007-0040,
BIORECIRCULATION PILOT TEST, FORMER BUILDING 1/36 AND C-SAND BIOREMEDIATION AMENDMENT INJECTIONS, FORMER BUILDING 2
FORMER BOEING C-6 FACILITY
19503 NORMANDIE AVENUE, LOS ANGELES, CA 90501

To Whom It May Concern:

Please find enclosed for your review, a copy of the subject document prepared by Avocet Environmental, Inc. (Avocet) for Boeing Corporate Real Estate (CRE). This document is being submitted to meet the reporting requirements identified in the above-referenced WDR order.

I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

If you have any questions, please contact the undersigned at (562) 824-1827.

Executed on this 26th day of JANUARY 2009 at Long Beach, California.

Sincerely,

Mario Stavale
Boeing Corporate Real Estate

Cc: Ana Townsend, LARWQCB
Robert Scott, Boeing Corporate Real Estate

Enclosure

2008 SEMIANNUAL
WASTE DISCHARGE REQURIEMENTS
MONITORING REPORT
BIORECIRCULATION PILOT TEST
FORMER BUILDING 1/36 AND
C-SAND BIOREMEDIATION AMENDMENT
INJECTIONS, FORMER BUILDING 2

Compliance File CI-9310, Order No. R4-2007-0040

Boeing Former C-6 Facility
19503 South Normandie Avenue
Los Angeles, California

January 26, 2009

PREPARED FOR

Boeing Corporate Real Estate
4501 East Conant Street
Building 851, M/C D851-0097
Long Beach, California 90808

PREPARED BY

Avocet Environmental, Inc.
16 Technology Drive, Suite 154
Irvine, California 92618-2327

Project No. 1155.006

AVOCET ENVIRONMENTAL, INC.

AVOCET
ENVIRONMENTAL, INC.

January 26, 2009 Project No. 1155.006

Information Technology Unit
CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD, LOS ANGELES REGION
320 West 4th Street, Suite 200
Los Angeles, California 90013

2008 Semiannual Waste Discharge Requirements Monitoring Report
Biorecirculation Pilot Test, Former Building 1/36 and
C-Sand Bioremediation Amendment Injections, Former Building 2
Compliance File CI-9310, Order No. R4-2007-0040
Boeing Former C-6 Facility
19503 South Normandie Avenue
Los Angeles, California

Dear Sir / Madam:

Enclosed is the Waste Discharge Requirements Monitoring Report for activities conducted during the Third and Fourth Quarters of 2008 at the subject site. The report summarizes the work performed for the Former Building 1/36 area Biorecirculation Pilot Test and for C-Sand Bioremediation Amendment Injections conducted at the Former Building 2 area. If you have any questions or require additional information, please do not hesitate to call.

Respectfully submitted,

AVOCET ENVIRONMENTAL, INC.

Michael A Rendina

Michael Rendina, P.G., C.Hg.
Principal

MAR:sh
Enclosure
cc: Ms. Ana Townsend – LARWQCB (transmittal only)
Mr. Mario Stavale – Boeing Corporate Real Estate
Ms. Jennifer Wiley – The Boeing Company (PDF)
Mr. Robert Scott – The Boeing Company (PDF)
Mr. Joe Weidmann – Haley & Aldrich (PDF)
Mr. Ravi Subramanian – CDM (PDF)

S:\Projects\1155 Boeing Former C-6 Facility\Groundwater Monitoring\Semiannual WDR Monitoring Report_January 2009\2008 Semiannual WDR Monitoring Report_012609.docx

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AVOCET ENVIRONMENTAL, INC.

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LIST OF ABBREVIATIONS AND ACRONYMS

CRE	Boeing Corporate Real Estate
CDM	Camp Dresser McKee, Inc.
DHC	Dehalococcoides bacteria
DHG	dissolved hydrocarbon gas
DO	dissolved oxygen
EPA	U.S. Environmental Protection Agency
gpm	gallon per minute
IDW	investigation-derived waste
MEK	2-butanone
MRP	Monitoring and Reporting Program
LARWQCB	California Regional Water Quality Control Board, Los Angeles Region
ORP	oxidation reduction potential
qPCR	Quantitative Polymerase Chain Reaction test
TDS	total dissolved solids
TOC	total organic carbon
VFA	volatile fatty acid
VOC	volatile organic compound
WDR	Waste Discharge Requirements

1.0 INTRODUCTION

On behalf of Boeing Corporate Real Estate (CRE), Avocet Environmental, Inc. (Avocet) is submitting this Waste Discharge Requirements (WDR) monitoring report to the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB). This WDR report encompasses:

- Biorecirculation pilot study and monitoring activities conducted at the Former Building 1/36 area during the second half (i.e., third and fourth quarters) of 2008;
- C-Sand bioremediation amendment injections and monitoring activities conducted at the Former Building 2 area during the second half of 2008.

This work is conducted pursuant to WDR Order Number R4-2007-0040 (the WDR Order), Compliance File CI-9310 (LARWQCB, August 22, 2008[1]). This is a recently revised WDR Order prepared in response to the submission of the following documents to the LARWQCB:

> *Camp Dresser McKee, Inc. (CDM), July 7, 2008, Transmittal – Revised Monitoring and Reporting Program No. CI-9310, Order No. R4-2007-0040, Boeing Corporate Real Estate, Former C-6 Facility, 19503 South Normandie Avenue, Los Angeles, California, File No. 95-036; SLIC No. 410; Site ID No. 1846000.*
>
> *Camp Dresser McKee, Inc., August 6, 2008, Transmittal – Revised Monitoring and Reporting Program No. CI-9310, Order No. R4-2007-0040 (Revision No. 3), Boeing Corporate Real Estate, Former C-6 Facility, 19503 South Normandie Avenue, Los Angeles, California, File No. 95-036; SLIC No. 410; Site ID No. 1846000.*

The August 22, 2008 revision, which was necessary due to a delay in completing the bioremediation amendment injections at the Former Building 2 area, includes the following significant changes to the Monitoring and Reporting Program (MRP):

- Revised the sampling schedules to coordinate the Former Building 1/36 and Former Building 2 area programs and, when possible, to coordinate these programs with the routine semiannual and annual site-wide groundwater monitoring events.
- Revised the Building 1/36 MRP to change current upgradient Well AW0055UB to a performance monitoring well and identified Well MWB006 as the new upgradient (Group D) well.

[1] The WDR Order was approved August 9, 2007. The revised Monitoring and Reporting Program (MRP), a related but separate part of the WDR Order, was approved August 22, 2008.

- Revised the Building 2 semiannual reporting schedule to coincide with the Building 1/36 reporting schedule so that a single semiannual report documenting the combined activities may be submitted.

The purpose of this report is to provide a summary of bioremediation and groundwater monitoring activities performed at the Former Building 1/36 and Building 2 areas of the Former C-6 Facility located at 19503 South Normandie Avenue in Los Angeles, California (the site). The location of the site is shown in Figure 1. The site layout and the monitoring wells of interest in the Former Building 1/36 area and the Former Building 2 area are shown in Figures 2 and 3, respectively. It should be noted that although quarterly reporting under the WDR Order was initiated in July 2007, startup of the biorecirculation system in the Former Building 1/36 area using whey amendment was delayed until late December 2007, due to pump issues and lower than expected extraction rates (Avocet, January 29, 2008). Post-injection WDR monitoring in this area was thereby initiated in January 2008.

During the third and fourth quarters of 2008, the following activities were performed at the Former Building 1/36 area:

- Continuation of the Biorecirculation Pilot Test using whey as the amendment. Testing included extraction, amendment, injection, and recirculation using water from Extraction Well EWB001.

- Termination of active biorecirculation operations on July 31, 2008 (i.e., pumping and injection) based on site operational data and WDR monitoring results, which indicated that adequate distribution of electron donor and conditions supportive of dechlorination had been achieved in the pilot test area.

- A voluntary additional monitoring event conducted in August 2008. The purpose of this supplemental event was to obtain additional data to assess remediation performance and upgradient groundwater quality.

- Quarterly WDR sampling events conducted in September and December 2008. These events constitute Quarters 3 and 4 of the four Year-1 quarterly sampling events specified in the MRP. Monitoring during 2009 will be on a semiannual schedule.

During the third and fourth quarters of 2008, the following activities were performed at the Former Building 2 area:

- Injection of residual electron donor solution, anoxic water, and purge water remaining from the second quarter 2008 Building 2 area bioremediation amendment injections and rinse water resulting from system demobilization into select C-Sand amendment wells connected to Vault 4 on July 1, 2008.

- Demobilization of the injection equipment between July 1 and 10, 2008.
- Monthly post-injection WDR monitoring conducted in August and September 2008. These events constitute Months 1 and 2 of two consecutive monthly monitoring events specified in the MRP.
- Quarterly WDR sampling event conducted in December 2008. This event constitutes Quarter 1 of the four Year-1 quarterly sampling events specified in the MRP. Following the September 2009 monitoring event, monitoring will be on a semiannual schedule.

The specifics regarding monthly and quarterly WDR sampling are addressed in Section 2.0, and a brief evaluation of the WDR monitoring data is presented in Section 3.0. Amendment and related activities associated with the Former Building 1/36 area Biorecirculation Pilot Test and Former Building 2 area C-Sand Bioremediation Amendment Injections are presented in Section 4.0. Anticipated future activities are outlined in Section 5.0. All of the information presented in this WDR monitoring report regarding amendment and related activities was obtained from CDM.

2.0 WDR GROUNDWATER MONITORING

During the second half of 2008, one voluntary monitoring event, in August 2008, and two quarterly WDR monitoring events, in September and December 2008, were conducted in the Building 1/36 area. In addition, two monthly WDR monitoring events, in August and September 2008, and one quarterly monitoring event, in December 2008, were conducted in the Building 2 area. For each event, groundwater monitoring included depth-to-water gauging, low-flow well purging, groundwater sampling, and chemical analysis of multiple parameters. Each of these activities is described below.

2.1 WATER LEVEL MEASUREMENTS

Prior to groundwater sampling, WDR wells scheduled for fluid level measurement were gauged for depth to water on August 5, September 22, and December 2, 2008. Well completion details for all WDR wells are provided in Table 1 and the depth-to-water measurements are summarized in Table 2.

During September 2008, water levels were gauged for all site wells, including the Former Building 1/36 area and Former Building 2 area WDR wells, in conjunction with the semiannual 2008 site-wide monitoring program (Avocet, November 28, 2008). The groundwater elevation contours for wells screened in the B-Sand are shown in Figure 4 and the elevation contours for C-Sand wells are shown in Figure 5. The average hydraulic gradient in both the B- and C-Sands is approximately 0.0008 ft/ft with flow toward the south. The B-Sand groundwater contours shown in Figure 4 depict a localized groundwater mound surrounding the Former Building 1/36 amendment injection wells, as is expected for recirculation activities.

2.2 WELL PURGING AND GROUNDWATER SAMPLING

All monitoring wells were purged for sampling using the low-flow (minimal drawdown) method. A QED low-flow bladder pump was used to purge each well prior to collecting the samples. A QED Water Quality Monitoring System with a flow-through cell was used to record field water quality parameters (i.e., temperature, pH, specific conductance, oxidation reduction potential [ORP], and dissolved oxygen [DO]) and a Lamotte 2020 turbidimeter was used to record turbidity during the purging process. Stabilized field water quality indicator parameters are summarized in Table 3 and the Groundwater Sampling Data Sheets are included in Appendix A.

After stabilization of the indicator parameters, and on completion of purging, ferrous iron testing was performed at each well using a HACH DR/890 Colorimeter. The results of the ferrous iron testing are included in Table 3. The stabilized QED measurement of DO was confirmed for approximately 10 percent of the wells using a CHEMetrics, Inc. test kit. Groundwater samples were then collected in laboratory-supplied containers that were properly labeled and immediately placed on ice in a cooler. The samples were submitted to appropriately certified environmental testing laboratories following chain-of-custody procedures.

2.3 GROUNDWATER SAMPLE ANALYSES

The laboratories were requested to analyze the samples for one or more of the following:

- Volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) Method 8260B.
- Total organic carbon (TOC) using EPA Method 9060.
- Volatile fatty acids (VFAs) using IC Method 8M23G (Microseeps, Inc., Pittsburg, Pennsylvania).
- Dissolved hydrocarbon gases (DHGs: ethane, ethane, and methane) using RSK 175.
- Dissolved minerals (sulfate, nitrate, nitrite, and chloride) using EPA Method 300 Series.
- Total alkalinity using EPA Method 310.
- Total dissolved solids (TDS) using EPA Method 160.1.
- Quantitative Polymerase Chain Reaction (qPCR) assay for the Dehalococcoides (DHC) 16S rRNA gene and functional genes tceA, bvcA, and vcrA (North Wind, Inc., Pocatello, Idaho).

The laboratory analytical results are summarized in Tables 4 through 9. Table 4 summarizes the prevalent VOC analytical results (compounds without reported or estimated concentrations are not included in the table for simplicity). The DHG results are presented in Table 5, Table 6 lists the TOC results, VFA results are summarized in Table 7, Table 8 lists the inorganic anion results, and the results of DHC bacteria and functional genes analyses are summarized in Table 9. Each of these tables also includes historical WDR sampling results for both the Former Building 1/36 and Former Building 2 areas. Laboratory analytical reports for the August, September, and December 2008 WDR monitoring events, with associated chain-of-custody documentation, are provided as PDF files on the CD in Appendix C.

3.0 DATA EVALUATION

3.1 FORMER BUILDING 1/36 AREA GROUNDWATER SAMPLE RESULTS

The results of the Former Building 1/36 WDR sampling data to date indicate that the pilot test has significantly stimulated degradation of the key VOCs at the site. In the twelve months since the start of amendment injections, evidence of significant degradation of key VOCs is apparent in downgradient Wells AW0064UB, EWB002, AW0077UB, AW0074UB, AW0076UB, and AW0075UB. These wells range from approximately 20 to 100 feet downgradient of the amendment wells.

A comparison of the pre-injection (baseline) and post-injection data for the WDR monitoring wells also indicates that, with the exception of desired increases in TOC, VFAs (which are intermediate degradation products), dissolved gas (methane – indicating good redox conditions), and DHC bacteria, the amendment injections have not adversely impacted water quality beneath the pilot test area. The impacts that are documented are localized, expected to be of short-term duration, and will not impact any existing or prospective future uses of groundwater. Comparison of pre-injection (baseline) and post-injection groundwater quality data to date from wells located downgradient (TWM_07 and WCC_12S) of the pilot test area indicate that no contaminants associated with amendment activities are migrating away from the test area.

Effects from the pilot test continue to show in former upgradient WDR Well AW0055UB, situated approximately 70 feet upgradient of the injection wells, which, pursuant to the August 22, 2008 revised WDR order, was reclassified as one of the performance monitoring wells (Group B1). These effects include increases in TCE and cis-1,2-DCE degradation products (vinyl chloride and ethene), dissolved methane, and the concentration of the DHC 16S rRNA gene and functional genes tceA, bvcA, and vcrA. The newly selected upgradient well (Well MWB006) does not appear to show any effects from the pilot test. However, the available baseline data are limited to VOCs, which show no significant changes. Samples from MWB006 tested for the WDR suite of analytes exhibit evidence of biodegradation (relatively elevated concentrations of TOC, 2-butanone (MEK), VFAs, and the DHC 16S rRNA gene and functional gene tceA), but these results are attributed to the effects of natural biodegradation occurring in this area.

3.2 FORMER BUILDING 2 AREA BASELINE GROUNDWATER SAMPLE RESULTS

The results of the Former Building 2 WDR sampling data to date indicate that the slug injections have not significantly affected the groundwater in this area, which is to be expected given the short period of time since the injections and very low groundwater velocities in C-Sand. With the exception of Wells CMW0026 and IRZCMW002, which showed increased or sustained vinyl chloride concentrations, the remainder of the WDR wells within the treatment area still primarily showed the presence of TCE. It is noteworthy that amendment injections (carbohydrate solution)

were previously conducted within the Former Building 2 treatment area in 2004 and some of the monitoring results may exhibit lingering effects from those injections.

A comparison of the pre-injection (baseline) and post-injection data for the WDR monitoring wells indicates that, with the exception of desired increases in some VFAs (which are intermediate degradation products) and dissolved methane (indicating good redox conditions) at Well CMW026, the amendment injections have not adversely impacted water quality beneath the pilot test area. The impacts that are documented are localized, expected to be of short-term duration, and will not impact any existing or prospective future uses of groundwater. Comparison of pre-injection (baseline) and post-injection groundwater quality data to date from wells located upgradient (IRZCMW001) and downgradient (CMW002) of the pilot test area indicate that no contaminants associated with amendment activities are migrating outside the test area.

4.0 AMENDMENT ACTIVITIES

4.1 FORMER BUILDING 1/36 AREA

During July 2008, the Former Building 1/36 area Biorecirculation Pilot Test was conducted using extracted water from Well EWB001. Following extraction, the water was appropriately mixed with whey (electron donor) prior to injection. The amendment solution (average concentration of 3.1 percent) was then injected into amendment wells AW0066UB and AW0067UB (B-Sand) with an average flow rate of approximately 2.7 gallons per minute (gpm). During the periods of non-whey injection, the system was operated on a continuous recirculation basis, with only the extracted water from Well EWB001 reinjected into amendment wells AW0066UB and AW0067UB. During recirculation, groundwater was extracted from Well EWB001 at an average rate of approximately 3.7 gpm (ranging from 2 to 6 gpm). During July 2008, the system was operational 58 percent of the time, with whey injection during 18 of the 31 days.

During the reporting period, Well WCC_06S was not operated as an extraction well due to the presence of biosolids, which indicated that the well had improved the hydraulic distribution of electron donor in the area of the pilot test.

During July 2008, a total of 2,157 pounds (dry weight) of electron donor (8,621 gallons as solution) was injected into Wells AW0066UB and AW0067UB. From December 2007 through the end of July 2008, the total amount of electron donor injected was 18,621 pounds (83,978 gallons as solution). The dates and quantities of electron donor injection during the reporting period are summarized in Table 10.

Based on the system operational data and WDR monitoring data, it was determined that the biorecirculation system had achieved adequate distribution of electron donor and established conditions supportive of reductive dechlorination in the pilot test area. As a result, active biorecirculation operations were concluded on July 31, 2008. Key components of the active system (well pumps, whey mixing and handling equipment) were dismantled and either shipped offsite or stored onsite in a secured area during August 2008. The residual whey was removed from the site in December 2008 and transported to a local landfill for disposal as nonhazardous waste.

4.2 FORMER BUILDING 2 AREA

During July 2008, residual[2] electron donor solution, anoxic water, purge water, and rinse water were injected into select C-Sand injection wells located in the Former Building 2 area (Figure 3).

[2] The term "residual" refers to electron donor solution, anoxic water, and purge water remaining from the second phase of Building 2 area bioremediation amendment injections performed between June 17 and 23, 2008 and rinse water generated during subsequent system demobilization.

The leftover electron donor solution consisted of approximately 3 percent lactate created by mixing 60 percent sodium lactate with city potable water. The anoxic water consisted of a solution of 1,000 parts per million lactate mixed with potable water.

These residual injections conducted on July 1, 2008, primarily involved wells IRZC0013 and IRZC0015 and to a lesser extent IRZC0010 (see Table 11 for quantities). Hydrant water (approximately 60 gallons) was used to rinse the anoxic tank and the injection equipment, and that rinsate was injected as well. These wells were selected for residual injections because they accepted flow at siphoning or low pressure conditions, but had not been bioaugmented. Injection of additional liquid into wells that had been bioaugmented was not performed, as this would have diluted the culture in the subsurface, thus potentially reducing the effectiveness of the bioaugmentation.

Following the injections of all residuals, demobilization activities were initiated on July 1, 2008. The anoxic tank and secondary containment was picked up and removed from the site by Baker Corp. The empty lactate totes were also picked up for delivery back to the lactate supplier, JRW Bioremediation. Boeing-owned and associated rental equipment was removed and the site was returned to its original condition. Demobilization was completed on July 10, 2008.

During the reporting period, approximately 648 gallons of lactate solution, 1,457 gallons of anoxic water, and 0 liters of Shaw's SDC-9™ culture were injected. The quantities of donor, anoxic water, and bioaugmentation injected during the period are summarized in Table 11. Since the start of the injections, approximately 46,038 gallons of lactate solution, 4,533 gallons of anoxic water, and 320 liters of Shaw's SDC-9™ culture were injected as part of the program.

5.0 INVESTIGATION-DERIVED WASTE

Investigation-derived waste (IDW) generated by pilot test activities during the reporting period includes purge and decontamination water created by WDR sampling and residual whey powder remaining at the conclusion of the test. The purge and decontamination water generated during groundwater monitoring activities were placed within appropriately labeled 55-gallon drums and temporarily stored within the secure treatment compound pending profiling and final disposition. On November 19, 2008, approximately 100 gallons of purge and decontamination water were removed from the site and transported to Crosby & Overton, in Long Beach, California, for disposal as non-RCRA hazardous waste. A copy of the waste manifest is provided in Appendix B.

Approximately 5,400 pounds of residual whey powder remained at the conclusion of the pilot test. This residual powder was transported to a local landfill (RS American Waste, in Gardena, California), for disposal as nonhazardous waste. Copies of the bills of lading are provided in Appendix B.

6.0 FUTURE ACTIVITIES

Activities planned or anticipated for 2009 include:

- Semiannual (March and September) WDR monitoring of the Former Building 1/36 area.
- Continuing evaluation of the Former Building 1/36 WDR monitoring data to determine if the objectives of the pilot test (i.e., establishing proof-of-concept) are being met.
- Quarterly (March, June, and September) WDR monitoring of the Former Building 2 area.
- Continuing evaluation of the Former Building 2 WDR monitoring data to determine if the objectives of the additional electron donor injections and bioaugmentation (i.e. to enhance the biodegradation [reductive dechlorination] process and reduce contaminant mass) are being met.
- Preparation of a combined semiannual Former Building 1/36 and Building 2 area WDR report to be submitted in July 2009.

Respectfully submitted,

AVOCET ENVIRONMENTAL, INC.

Michael A Rendina

Michael Rendina, P.G., C.Hg.
Principal

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STATE OF CALIFORNIA

REFERENCES

Avocet Environmental, Inc., January 29, 2008, *Fourth Quarter 2007 Waste Discharge Requirements (WDR) Monitoring Report, Biorecirculation Pilot Test, Former Building 1/36, Compliance File CI-9310, Order No. R4-2007-0040, Boeing Former C-6 Facility, Building 1/36, 19503 Normandie Avenue, Los Angeles, California.*

Avocet Environmental, Inc., April 29, 2008, *First Quarter 2008 Waste Discharge Requirements (WDR) Monitoring Report, Biorecirculation Pilot Test, Former Building 1/36, Compliance File CI-9310, Order No. R4-2007-0040, Boeing Former C-6 Facility, 19503 South Normandie Avenue, Los Angeles, California.*

Avocet Environmental, Inc., May 22, 2008, *2008 Annual Groundwater Monitoring Report, Boeing Former C-6 Facility, 19503 Normandie Avenue, Los Angeles, California.*

Avocet Environmental, Inc., July 29, 2008, *Second Quarter 2008 Waste Discharge Requirements (WDR) Monitoring Report, Biorecirculation Pilot Test, Former Building 1/36, and C-Sand Bioremediation Amendment Injections, Former Building 2, Compliance File CI-9310, Order No. R4-2007-0040, Boeing Former C-6 Facility, 19503 South Normandie Avenue, Los Angeles, California.*

Avocet Environmental, Inc., November 28, 2008, *Semiannual Groundwater Monitoring Report, September 2008, Boeing Former C-6 Facility, 19503 Normandie Avenue, Los Angeles, California.*

California Regional Water Quality Control Board, Los Angeles Region (LARWQCB), February 15, 2008, *Approval of Revised Monitoring and Reporting Program CI-9310, Individual Waste Discharge Requirements Order No. R4-2007-0040, Boeing Corporate Real Estate, Former C-6 Facility, 19503 South Normandie, Los Angeles, California (File No. 95-036; SLIC No. 0410; Site ID No. 1846000)*, letter to Boeing Realty Corporation.

California Regional Water Quality Control Board, Los Angeles Region (LARWQCB), August 22, 2008, *Approval of Revised Monitoring and Reporting Program CI-9310, Individual Waste Discharge Requirements Order No. R4-2007-0040, Boeing Corporate Real Estate, Former C-6 Facility, 19503 South Normandie, Los Angeles, California (File No. 95-036; SLIC No. 0410; Site ID No. 1846000)*, letter to Boeing Corporate Real Estate.

Camp Dresser McKee, Inc., January 11, 2008, *Addendum No. 2 to Building 1/36 (Parcel C) Source-Area Groundwater In-Situ Reactive Zone Pilot Study Workplan (Work Plan), Request to Include Well WCC_06S as a Contingency Extraction Well, Former C-6 Facility, 19503 South Normandie Avenue, Los Angeles, California, File No. 95-036; SLIC No. 410; Site ID No. 1846000.*

Camp Dresser McKee, Inc., January 25, 2008, *Transmittal – Revised Monitoring and Reporting Program No. CI-9310, Order No. R4-2007-0040, Boeing Corporate Real Estate, Former C-6 Facility, 19503 South Normandie Avenue, Los Angeles, California, File No. 95-036; SLIC No. 410; Site ID No. 1846000*.

Camp Dresser McKee, Inc., January 25, 2008, *Addendum No. 2 to the Building 2 In-Situ Reactive Zone Pilot Test Workplan, C-Sand Bioremediation Amendment Injections, Former C-6 Facility, 19503 South Normandie Avenue, Los Angeles, California, Compliance File CI-9310, Order No. R4-2007-0040*.

Camp Dresser McKee, Inc., July 7, 2008, *Transmittal – Revised Monitoring and Reporting Program No. CI-9310, Order No. R4-2007-0040, Boeing Corporate Real Estate, Former C-6 Facility, 19503 South Normandie Avenue, Los Angeles, California, File No. 95-036; SLIC No. 410; Site ID No. 1846000*.

Camp Dresser McKee, Inc., August 6, 2008, *Transmittal – Revised Monitoring and Reporting Program No. CI-9310, Order No. R4-2007-0040 (Revision No. 3), Boeing Corporate Real Estate, Former C-6 Facility, 19503 South Normandie Avenue, Los Angeles, California, File No. 95-036; SLIC No. 410; Site ID No. 1846000*.

Tables

AVOCET
ENVIRONMENTAL, INC.

Table 1
WDR Groundwater Monitoring Well Completion Details
Boeing Former C-6 Facility, Building 1/36
Los Angeles, California

Well I.D.	Water Bearing Unit	Easting[1,3]	Northing[1,3]	Reference Elevation (feet amsl)[2]	Boring Total Depth (feet)	Screen Depth Interval (feet)	Depth to Top of Filter Pack (feet)	Casing Diameter (inches)	Casing Type	Slot Size (inches)	Drilled Date
Former Building 1/36 Area											
Extraction Well											
EWB001[4]	B-Sand	6,470,381	1,769,604	49.01	90	59.2 - 89.2	56	6	Sch 80 PVC	0.02	11/09/06
Injection Wells (Group A)											
AW0064UB	B-Sand	6,470,346	1,769,801	53.28	92	68.5 - 88.5	66	2	Sch 40 PVC	0.02	06/21/05
AW0065UB	B-Sand	6,470,316	1,769,802	53.64	92	68.5 - 88.5	66	2	Sch 40 PVC	0.02	06/16/05
AW0066UB	B-Sand	6,470,286	1,769,802	53.98	91	69.5 - 89.5	67	2	Sch 40 PVC	0.02	06/14/05
AW0067UB	B-Sand	6,470,261	1,769,810	54.01	91	70 - 90	67	2	Sch 40 PVC	0.02	06/08/05
Performance Monitoring Wells (Group B)											
EWB002	B-Sand	6,470,279	1,769,773	53.74	90	60 - 90	56	6	Sch 80 PVC	0.02	06/13/07
AW0074UB	B-Sand	6,470,365	1,769,759	52.73	91	70 - 90	67	2	Sch 40 PVC	0.02	06/09/05
AW0075UB	B-Sand	6,470,332	1,769,740	53.23	93	69 - 89	66	2	Sch 40 PVC	0.02	06/08/05
AW0076UB	B-Sand	6,470,302	1,769,740	53.69	92	69 - 89	66	2	Sch 40 PVC	0.02	06/08/05
AW0077UB	B-Sand	6,470,254	1,769,763	53.96	86	70.5 - 85.5	69	2	Sch 40 PVC	0.02	08/19/04
WCC_06S	B-Sand	6,470,336	1,769,734	51.32	91	60 - 90	54	4	Sch 40 PVC	0.01	09/22/89
AW0073C	C-Sand	6,470,329	1,769,765	53.42	117	96 - 116	93	2	Sch 40 PVC	0.02	06/09/05
Downgradient Wells (Group C)											
WCC_12S	B-Sand	6,470,506	1,769,496	51.32	92	60 - 90	55	4	Sch 40 PVC	0.01	09/17/90
TMW_7	B-Sand	6,470,318	1,769,483	52.52	91	65 - 85	63	2	Sch 40 PVC	0.01	06/29/98
Upgradient Wells (Group D)											
AW0055UB	B-Sand	6,470,304	1,769,863	53.54	92	69 - 89	65	2	Sch 40 PVC	0.02	06/21/05
MWB006	B-Sand	6,470,248	1,770,058	53.90	93	65 - 90	63	2	Sch 40 PVC	0.02	11/28/05
Former Building 2 Area											
Injection Wells (Group A)											
IRZC0001	C-Sand	6,470,257	1,768,637	48.05	-	92.5 - 117.5	91	1.5	-	0.01	-
IRZC0003	C-Sand	6,470,319	1,768,614	49.21	-	92.5 - 117.5	91	1.5	-	0.01	-
IRZC0004	C-Sand	6,470,294	1,768,604	48.59	-	92.5 -117.5	91.5	1.5	-	0.01	-
IRZC0005	C-Sand	6,470,272	1,768,594	48.88	-	91.5 - 116.5	90	1.5	-	0.01	-
IRZC0006	C-Sand	6,470,243	1,768,584	48.32	-	91.5 - 116.5	90	1.5	-	0.01	-
IRZC0007	C-Sand	6,470,400	1,768,591	53.23	-	96 - 121	95	1.5	-	0.01	-
IRZC0008	C-Sand	6,470,372	1,768,581	53.22	-	96 - 121	95	1.5	-	0.01	-
IRZC0009	C-Sand	6,470,346	1,768,571	53.22	-	99.5 - 124.5	98.5	1.5	-	0.01	-
IRZC0010	C-Sand	6,470,315	1,768,561	49.10	-	92.5 - 117.5	91.5	1.5	-	0.01	-
IRZC0011	C-Sand	6,470,281	1,768,552	48.74	-	93 - 118	92	1.5	-	0.01	-
IRZC0012	C-Sand	6,470,258	1,768,542	48.27	-	93 - 117	91	1.5	-	0.01	-
IRZC0013	C-Sand	6,470,414	1,768,564	53.21	-	95 - 120	94	1.5	-	0.01	-
IRZC0014	C-Sand	6,470,381	1,768,537	53.22	-	95 - 120	94	1.5	-	0.01	-
IRZC0015	C-Sand	6,470,358	1,768,528	53.22	-	96.5 - 121.5	95.5	1.5	-	0.01	-
IRZC0016	C-Sand	6,470,336	1,768,519	53.23	-	100.5 - 124.5	99.5	1.5	-	0.01	-
IRZC0017	C-Sand	6,470,301	1,768,509	48.80	-	91 - 116	90	1.5	-	0.01	-
IRZC0018	C-Sand	6,470,429	1,768,506	53.25	-	99.5 - 124.5	98.5	1.5	-	0.01	-
IRZC0019	C-Sand	6,470,401	1,768,486	53.25	-	95 - 120	94	1.5	-	0.01	-
IRZC0020	C-Sand	6,470,373	1,768,486	53.05	-	99.5 - 124.5	98.5	1.5	-	0.01	-
Performance Monitoring Wells (Group B)											
CMW026	C-Sand	6,470,279	1,768,603	51.53	-	92 - 117	90	4	Sch 40 PVC	0.01	08/06/03
IRZCMW002	C-Sand	6,470,417	1,768,410	55.60	-	96 - 121	94	4	Sch 40 PVC	0.01	05/12/04
IRZCMW003	C-Sand	6,470,298	1,768,593	51.69	-	92 - 117	90	4	Sch 40 PVC	0.01	08/08/03
MWC024	C-Sand	6,470,266	1,768,409	51.64	-	96 - 121	93	4	Sch 80 PVC	0.02	10/26/06
Downgradient Well (Group C)											
CMW002	C-Sand	6,470,554	1,767,936	52.81	-	99 - 124	97	4	Sch 40 PVC	0.01	08/14/03
Upgradient Well (Group D)											
IRZCMW001	C-Sand	6,470,218	1,768,660	51.74	-	92 - 117	90	4	Sch 40 PVC	0.01	08/06/03

Notes:

(1) California State Plane North American Datum of 83 (NAD 83), Zone 5, Feet

(2) feet amsl = feet above mean sea level. Elevations based on North American Vertical Datum of 1988 (NAVD 88)

(3) Coordinates were slightly revised based on additional survey done in November 2006

(4) Well EWB001 contains a permanent pump. The top of casing was modified when a vault was installed. Total depth (BTC) prior to modification was 88.7 feet. Total depth after modification is 84.7 feet (i.e., approximately 4' of casing was removed - new TOC elevation approximately 49.01 feet amsl). The well is equipped with a transducer. The transducer was installed approximately 78.15 feet BTC. On December 12, 21.6' of water covered the transducer - a water level of 56.55 feet BTC. This equates to a water table elevation on 12/12 of -7.54 feet amsl.

- = Unknown

AVOCET ENVIRONMENTAL, INC.

Table 2
Groundwater Elevations
Boeing Former C-6 Facility, Building 1/36
Los Angeles, California

Well I.D.	Date Measured	Reference Elevation[1] (feet amsl)	Depth to Water (feet)[2]	Groundwater Elevation[1] (feet amsl)	Total Depth of Casing (feet)[2]	PID Measurement (ppmv)
Former Building 1/36 Area						
AW0064UB	05/07/07	53.28	60.48	-7.20	87.70	NM
	06/13/07		60.40	-7.12	87.55	5.3
	01/29/08		60.22	-6.94	87.50	7.8
	02/26/08		60.15	-6.87	87.50	1.0
	03/24/08		58.96	-5.68	86.29	0.0
	04/22/08		58.87	-5.59	NM	0.1
	05/20/08		58.78	-5.50	NM	1.2
	06/17/08		58.85	-5.57	NM	12.5
	09/22/08		58.73	-5.45	NM	0.0
	12/02/08		58.74	-5.46	NM	18.5
AW0065UB	05/07/07	53.64	60.85	-7.21	89.44	NM
	06/13/07		60.77	-7.13	89.40	0.0
	01/29/08		60.51	-6.87	89.10	5.2
	02/26/08		60.39	-6.75	89.10	1.4
	03/24/08		59.39	-5.75	88.27	21.7
	04/22/08		59.29	-5.65	NM	19.3
	05/20/08		59.19	-5.55	NM	11.2
	06/17/08		59.32	-5.68	NM	11.6
	09/22/08		59.09	-5.45	NM	0.3
	12/02/08		59.17	-5.53	NM	2.4
AW0066UB	05/07/07	53.98	61.20	-7.22	90.15	NM
	06/13/07		61.12	-7.14	89.80	40.0
	NM[3]		NM	- -	NM	NM
	NM[3]		NM	- -	NM	NM
	03/24/08		59.79	-5.81	89.37	28.2
	04/22/08		59.37	-5.39	NM	27.1
	05/20/08		59.82	-5.84	NM	4.7
	06/17/08		59.98	-6.00	NM	0.3
	09/22/08		59.54	-5.56	NM	0.9
	12/02/08		59.49	-5.51	NM	4.5
AW0067UB	05/07/07	54.01	61.24	-7.23	88.59	NM
	06/13/07		61.14	-7.13	87.40	18.8
	NM[3]		NM	- -	NM	NM
	NM[3]		NM	- -	NM	NM
	03/24/08		59.81	-5.80	89.52	0.0
	04/22/08		58.94	-4.93	NM	0.0
	05/20/08		59.64	-5.63	NM	0.7
	06/17/08		58.52	-4.51	NM	4.1
	09/22/08		59.52	-5.51	NM	2.0
	12/02/08		59.81	-5.80	NM	4.9

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Table 2
Groundwater Elevations
Boeing Former C-6 Facility, Building 1/36
Los Angeles, California

Well I.D.	Date Measured	Reference Elevation[1] (feet amsl)	Depth to Water (feet)[2]	Groundwater Elevation[1] (feet amsl)	Total Depth of Casing (feet)[2]	PID Measurement (ppmv)
EWB002	05/07/07	53.74	NM	- -	NM	NM
	06/13/07		60.52	-6.78	94.30	6.7
	01/29/08		60.71	-6.97	94.34	18.7
	02/26/08		60.53	-6.79	89.56	6.2
	03/24/08		60.40	-6.66	89.80	1.7
	04/22/08		60.31	-6.57	NM	4.1
	05/20/08		60.19	-6.45	NM	4.4
	06/17/08		60.28	-6.54	NM	10.2
	08/05/08		60.38	-6.64	NM	0.0
	09/22/08		60.21	-6.47	NM	7.0
	12/02/08		60.32	-6.58	NM	6.7
AW0074UB	05/07/07	52.73	59.95	-7.22	88.55	NM
	06/13/07		59.87	-7.14	88.05	8.1
	01/29/08		59.89	-7.16	88.55	9.2
	02/26/08		59.65	-6.92	88.55	3.8
	03/24/08		59.44	-6.71	87.80	3.0
	04/22/08		59.35	-6.62	NM	2.7
	05/20/08		59.30	-6.57	NM	0.2
	06/17/08		59.34	-6.61	NM	0.9
	08/05/08		59.34	-6.61	NM	31.5
	09/22/08		59.16	-6.43	NM	0.5
	12/02/08		59.22	-6.49	NM	5.5
AW0075UB	05/07/07	53.23	60.49	-7.26	89.08	NM
	06/13/07		60.40	-7.17	88.40	0.0
	01/29/08		60.30	-7.07	88.72	12.7
	02/26/08		60.16	-6.93	85.70	8.9
	03/24/08		59.99	-6.76	85.34	8.0
	04/22/08		59.87	-6.64	NM	2.9
	05/20/08		59.85	-6.62	NM	2.7
	06/17/08		59.85	-6.62	NM	48.2
	08/05/08		59.83	-6.60	NM	25.0
	09/22/08		59.72	-6.49	NM	48.0
	12/02/08		59.83	-6.60	NM	60.3
AW0076UB	05/07/07	53.69	61.00	-7.31	88.57	NM
	06/13/07		60.85	-7.16	88.45	1.9
	01/29/08		60.71	-7.02	88.57	25.5
	02/26/08		60.60	-6.91	88.55	8.7
	03/24/08		61.54	-7.85	87.35	0.0
	04/22/08		59.34	-5.65	NM	5.3
	05/20/08		60.27	-6.58	NM	4.9
	06/17/08		60.34	-6.65	NM	21.8
	08/05/08		60.37	-6.68	NM	16.1
	09/22/08		60.20	-6.51	NM	22.6
	12/02/08		60.32	-6.63	NM	25.4

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Table 2
Groundwater Elevations
Boeing Former C-6 Facility, Building 1/36
Los Angeles, California

Well I.D.	Date Measured	Reference Elevation[1] (feet amsl)	Depth to Water (feet)[2]	Groundwater Elevation[1] (feet amsl)	Total Depth of Casing (feet)[2]	PID Measurement (ppmv)
AW0077UB	05/07/07	53.96	61.23	-7.27	83.45	NM
	06/13/07		61.13	-7.17	82.70	0.0
	01/29/08		61.21	-7.25	83.45	27.0
	02/26/08		60.75	-6.79	88.15	19.8
	03/24/08		60.61	-6.65	74.86	2.7
	04/22/08		60.57	-6.61	NM	24.7
	05/20/08		60.54	-6.58	NM	23.8
	06/17/08		60.53	-6.57	NM	18.4
	08/05/08		60.64	-6.68	NM	0.0
	09/22/08		60.38	-6.42	NM	0.7
	12/02/08		60.62	-6.66	NM	1.7
WCC_06S	05/07/07	52.7	59.97	-7.27	84.83	NM
	06/13/07		59.85	-7.15	84.90	2.3
	01/29/08		59.79	-7.09	85.05	0.0
	02/26/08		59.62	-6.92	85.05	0.0
	03/24/08		59.46	-6.76	88.25	0.4
	04/22/08		59.39	-6.69	NM	0.2
	08/05/08		59.11	-6.41	NM	0.0
	09/22/08		58.85	-6.15	NM	8.5
	12/02/08		59.06	-6.36	NM	3.9
AW0073C	05/07/07	53.42	60.57	-7.15	117.50	NM
	06/13/07		60.56	-7.14	117.47	3.5
	01/29/08		60.55	-7.13	117.50	9.5
	02/26/08		60.32	-6.90	117.60	2.8
	03/24/08		60.12	-6.70	117.01	1.2
	04/22/08		60.04	-6.62	NM	2.2
	05/20/08		60.09	-6.67	NM	2.1
	06/17/08		60.04	-6.62	NM	17.2
	08/05/08		60.05	-6.63	NM	0.0
	09/22/08		59.89	-6.47	NM	1.0
	12/02/08		59.87	-6.45	NM	0.3
WCC_12S	05/07/07	51.32	58.69	-7.37	91.77	NM
	06/13/07		58.57	-7.25	91.30	0.0
	03/24/08		58.18	-6.86	91.80	0.0
	06/17/08		58.07	-6.75	NM	0.4
	09/22/08		57.90	-6.58	NM	0.0
	12/02/08		58.01	-6.69	NM	0.7
TMW_07	05/07/07	53.96	61.43	-7.47	82.60	NM
	06/13/07		61.30	-7.34	82.55	3.4
	03/24/08		60.88	-6.92	82.61	0.0
	06/17/08		60.78	-6.82	NM	0.3
	09/22/08		60.61	-6.65	NM	0.0
	12/02/08		60.77	-6.81	NM	0.2

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Table 2
Groundwater Elevations
Boeing Former C-6 Facility, Building 1/36
Los Angeles, California

Well I.D.	Date Measured	Reference Elevation[1] (feet amsl)	Depth to Water (feet)[2]	Groundwater Elevation[1] (feet amsl)	Total Depth of Casing (feet)[2]	PID Measurement (ppmv)
AW0055UB	05/07/07	53.54	60.70	-7.16	89.30	NM
	06/13/07		60.65	-7.11	89.30	2.6
	03/24/08		60.18	-6.64	88.45	5.9
	06/17/08		60.03	-6.49	NM	36.7
	08/05/08		60.10	-6.56	NM	9.4
	09/22/08		59.91	-6.37	NM	107
	12/02/08		59.98	-6.44	NM	91.6
MWB006	08/05/08	53.90	60.32	-6.42	NM	135
	09/22/08		60.46	-6.56	NM	155
	12/02/08		60.24	-6.34	NM	0.3
Former Building 2 Area						
CMW026	03/24/08	51.53	59.19	-7.66	117.00	3.1
	08/05/08		59.14	-7.61	NM	48.0
	09/22/08		59.15	-7.62	NM	0.0
	12/03/08		59.12	-7.59	NM	0.2
IRZCMW002	03/24/08	55.60	63.53	-7.93	121.00	3.2
	08/05/08		53.32	2.28	NM	0.0
	09/22/08		63.40	-7.80	NM	1.6
	12/03/08		63.28	-7.68	NM	2.1
IRZCMW003	03/24/08	51.69	59.42	-7.73	117.00	1.2
	08/05/08		59.17	-7.48	NM	17.4
	09/22/08		59.29	-7.60	NM	0.6
	12/03/08		59.23	-7.54	NM	2.1
MWC024	03/24/08	51.64	59.38	-7.74	125.00	0.0
	08/05/08		59.24	-7.60	NM	36.5
	09/22/08		59.38	-7.74	NM	0.0
	12/03/08		59.24	-7.60	NM	22.6
CMW002	03/24/08	52.81	60.95	-8.14	124.00	0.0
	09/22/08		60.77	-7.96	NM	0.0
	12/03/08		60.65	-7.84	NM	0.2
IRZCMW001	03/24/08	51.74	59.31	-7.57	117.00	0.2
	09/22/08		59.27	-7.53	NM	0.1
	12/03/08		59.15	-7.41	NM	0.0

Notes:
feet amsl = feet above mean sea level (negative value indicates feet below mean sea level)
PID = photoionization detector
ppmv = part per million by volume
NM = not measured (well being used for amendment injection)
(1) Elevations based on North American Vertical Datum of 1988 (NAVD 88)
(2) Feet below top of casing
(3) Not measured;well being used for amendment injection

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Table 3
Summary of Field Parameters
Boeing Former C-6 Facility, Building 1/36
Los Angeles, California

Well I.D.	Unit	Monitoring Date	pH	Temperature (°C)	Turbidity (NTU)	Electrical Conductivity (mS/cm)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (mV)	Ferrous Iron (mg/l)
Former Building 1/36 Area									
AW0055UB	B-Sand	05/10/07	6.6	24.8	5.9	2.78	3.5	-134	0
	B-Sand	06/20/07	6.49	23	10.9	2.96	1	123	2
	B-Sand	03/25/08	6.73	22.25	1.11	2.92	0.22	-143	0.91
	B-Sand	06/18/08	6.57	22.25	0.77	3.06	0.16	-120	1.11
	B-Sand	08/06/08	6.51	23.19	0.96	3.17	0.24	-119	1.02
	B-Sand	09/24/08	6.49	22.78	30.5	3.16	0.14	-110	--
	B-Sand	12/02/08	6.51	21.77	0.52	3.24	0.35	-234	1.12
AW0064UB	B-Sand	05/09/07	5.3	23.8	98	2.9	5.9	-117	0.05
	B-Sand	06/20/07	6.62	23.9	32.7	2.27	2.56	128	0.09
	B-Sand	09/24/08	6.67	22.55	207	3.07	0.36	-109	--
	B-Sand	12/02/08	6.53	22.19	81.4	3.82	1.59	-101	1.26
AW0065UB	B-Sand	05/10/07	6.32	22.1	160.8	3.55	2.68	-119	0.08
	B-Sand	06/21/07	6.51	24.3	50.5	3.67	2.19	105	3.3
	B-Sand	09/24/08	6.25	22.71	663	3.49	0.58	-85	--
	B-Sand	12/02/08	6.5	22.18	1,982	3.49	0.28	-181	1.02
AW0066UB	B-Sand	05/10/07	5.1	21.4	350	5.8	3.8	-99	0
	B-Sand	06/20/07	6.41	24.8	851	3.87	1.76	110	3.24
	B-Sand	03/25/08	6.24	21.61	692	6.24	0.82	29	0.97
	B-Sand	06/17/08	4.26	24.49	731	3.16	0.22	-166	1.18
	B-Sand	09/24/08	4.83	23.94	779	6.88	4.43	-51	1.25
	B-Sand	12/02/08	6.32	22.2	271	5.39	1.71	-69	1.15
AW0067UB	B-Sand	05/10/07	5.5	22.9	990	1.5	3.9	97	0
	B-Sand	06/19/07	7	22.8	197	3.34	1	96	0.12
	B-Sand	03/25/08	6.09	21.32	>2,000	5.16	0.29	9	1.49
	B-Sand	06/17/08	4.07	24.49	207	2.53	0.17	-101	1.79
	B-Sand	09/24/08	4.58	23.2	2,000	5.8	0.31	-65	1.48
	B-Sand	12/02/08	5	22.8	596	6.08	0.4	-64	1.52
AW0073C	C-Sand	05/10/07	5.4	24.1	75	1.1	3.2	-140	0
	C-Sand	06/20/07	6.96	23.4	124	0.539	0	275	0.21
	C-Sand	01/29/08	7.1	21.59	--	0.999	0.25	-293	2.7
	C-Sand	02/26/08	7.06	21.52	85.7	0.886	0.23	-285	0.96
	C-Sand	03/25/08	7.14	22.91	328	0.898	0.52	30	1.03
	C-Sand	04/22/08	6.89	22.6	75.2	0.907	0.22	-245	1.11
	C-Sand	05/20/08	7.11	22.17	10.81	0.793	0.13	-274	1.07
	C-Sand	06/17/08	7.09	22.84	16.7	0.809	0.1	-179	1.87
	C-Sand	08/06/08	7.14	23.35	17.3	0.849	0.18	-177	1.99
	C-Sand	09/24/08	7.38	22.99	4.72	0.757	0.18	-138	1.74
	C-Sand	12/03/08	6.95	21.36	560	0.891	0.77	-112	1.46
AW0074UB	B-Sand	05/09/07	5.3	23.3	120	1.9	4.3	35	0
	B-Sand	06/19/07	6.67	25.3	232	2.61	1.57	11.7	0.08
	B-Sand	01/29/08	6.86	21.9	--	1.75	0.8	-18	1.1
	B-Sand	08/06/08	6.44	22.64	0.27	2.92	0.52	-112	1.07
	B-Sand	12/02/08	6.49	22	0.44	3.01	0.29	-212	1.47

AVOCET ENVIRONMENTAL, INC.

Table 3
Summary of Field Parameters
Boeing Former C-6 Facility, Building 1/36
Los Angeles, California

Well I.D.	Unit	Monitoring Date	pH	Temperature (°C)	Turbidity (NTU)	Electrical Conductivity (mS/cm)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (mV)	Ferrous Iron (mg/l)
AW0075UB	B-Sand	05/09/07	5.3	25	990	2.5	6.2	-115	0
	B-Sand	06/21/07	6.58	22.4	132	2.52	0.73	131	3.05
	B-Sand	01/30/08	6.74	21.71	--	2.41	0.13	-244	3.3
	B-Sand	02/26/08	6.64	22.32	21.9	2.47	0.1	-265	1.65
	B-Sand	03/25/08	6.69	22.01	1.9	2.61	0.69	15	1.44
	B-Sand	04/22/08	6.37	22.46	29.7	3.2	0.27	-175	1.37
	B-Sand	05/20/08	6.44	22.08	19.2	3.1	0.21	-185	1.29
	B-Sand	06/18/08	6.44	23.39	16	3.53	0.07	-156	1.49
	B-Sand	08/06/08	6.32	23.4	15.1	3.65	0.23	-121	1.35
	B-Sand	09/24/08	6.54	23.11	3.1	3.06	0.05	-165	1.27
	B-Sand	12/03/08	6.48	22.11	5.4	3.09	0.17	-124	9.92
AW0076UB	B-Sand	05/09/07	5.3	23.7	48	5.4	6	-119	0.01
	B-Sand	06/21/07	6.54	22.6	106	4.1	1.45	116	3.3
	B-Sand	01/30/08	6.52	21.7	--	3.96	0.12	-195	3.3
	B-Sand	02/26/08	6.61	22.33	169	3.13	0.16	-194	1.36
	B-Sand	03/25/08	6.41	20.21	9.4	3.42	0.52	28	1.42
	B-Sand	04/22/08	6.41	22.11	7.32	3.3	0.31	-169	1.49
	B-Sand	05/20/08	6.52	22.55	3.72	3.62	0.29	-19	1.43
	B-Sand	06/18/08	6.46	23.18	1.27	3.74	0.09	-134	1.62
	B-Sand	08/07/08	6.45	22.98	1.91	3.6	0.41	-133	1.47
	B-Sand	09/24/08	6.75	22.97	3.94	3.78	0.03	-166	1.39
	B-Sand	12/03/08	6.59	21.88	3.8	3.82	0.1	-150	1.14
AW0077UB	B-Sand	05/10/07	5.2	25.3	990	3.6	5.2	-144	0
	B-Sand	06/20/07	6.14	25.5	999	4	1.25	157	0.26
	B-Sand	01/30/08	6.53	21.33	--	2.92	0.19	-217	1.66
	B-Sand	02/26/08	6.52	22.24	56.4	2.58	0.25	-229	0.95
	B-Sand	03/25/08	6.82	22.28	85	2.82	0.38	56	0.86
	B-Sand	04/22/08	5.97	21.5	7.07	2.92	0.5	-205	0.72
	B-Sand	05/20/08	6.02	21.62	6.99	2.97	0.34	-238	0.81
	B-Sand	06/18/08	6.26	22.48	8.37	3.21	0.08	-157	2.64
	B-Sand	08/06/08	6.39	23.63	8.5	3.49	0.21	-176	2.49
	B-Sand	09/24/08	6.61	22.72	4.27	3.37	0.05	-193	2.27
	B-Sand	12/03/08	6.5	21.7	11.6	3.57	0.17	-169	0.97
EWB001	B-Sand	05/08/07	7.4	23.9	54	1.9	2.6	-211	0.37
	B-Sand	06/18/07	7.21	23.7	23.5	1.7	0.03	20	0.03
	B-Sand	12/12/07	7.14	22.4	186	0.185	0.8	5	0.02
EWB002	B-Sand	06/21/07	6.61	23.3	0.5	2.56	0.92	101	3.3
	B-Sand	12/12/07	6.53	21.88	2	0.335	0.45	-120	1.58
	B-Sand	01/29/08	6.65	21.67	--	2.94	0.3	-252	3.3
	B-Sand	02/26/08	6.59	22.13	1.07	2.44	2.37	-190	1.48
	B-Sand	03/25/08	6.45	21.02	0.2	2.69	0.37	23	1.5
	B-Sand	04/22/08	6.26	21.64	0.32	3.14	0.29	-214	1.42
	B-Sand	05/20/08	6.46	21.94	0.97	3.02	0.19	-217	1.49
	B-Sand	06/18/08	6.43	22.22	2.94	3.21	0.07	-141	3.3
	B-Sand	08/06/08	6.41	23.83	2.01	3.4	0.22	-146	3.17
	B-Sand	09/24/08	6	23.03	2.02	2.99	0.1	-161	3.02
	B-Sand	12/03/08	6.51	22.29	73.1	2.9	0.28	-115	1.83

AVOCET ENVIRONMENTAL, INC.

Table 3
Summary of Field Parameters
Boeing Former C-6 Facility, Building 1/36
Los Angeles, California

Well I.D.	Unit	Monitoring Date	pH	Temperature (°C)	Turbidity (NTU)	Electrical Conductivity (mS/cm)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (mV)	Ferrous Iron (mg/l)
MWB006	B-Sand	03/27/08	6.26	23.71	0.9	7.5	0.72	-105	- -
	B-Sand	08/07/08	5.89	24.77	6.75	8.0	0.68	-92	2.87
	B-Sand	09/24/08	6.3	24.78	54.8	7.58	0.14	-94	2.63
	B-Sand	12/02/08	6.12	24.02	31	7.56	4.03	-63	2.13
TMW_07	B-Sand	05/08/07	7.4	26.2	130	1.8	7.4	42	0.53
	B-Sand	06/18/07	7.23	24.7	350	1.46	11.37	85	0.45
	B-Sand	03/25/08	7.14	21.74	2.71	1.55	5.07	115	0
	B-Sand	06/17/08	6.97	22.69	0.27	1.6	4.3	47	0
	B-Sand	09/24/08	7.35	22.62	1.54	1.559	6.22	9	0
	B-Sand	12/02/08	7.06	22.12	1.29	1.7	6.71	-43	0.97
WCC_06S	B-Sand	05/08/07	7	25	48	2.9	2.5	-138	3.3
	B-Sand	06/19/07	6.99	23.9	5.1	5.96	1.07	27	0.54
	B-Sand	01/29/08	7.83	20.75	- -	0.138	5.31	79	3.16
	B-Sand	03/26/08	7.3	22.4	9.5	3.31	6.42	76	- -
	B-Sand	08/05/08	5.87	23.79	137	3.83	0.38	-151	1.92
	B-Sand	12/02/08	6.94	22.02	45.2	3.85	3.17	-172	1.67
WCC_12S	B-Sand	05/09/07	5.6	24.5	2	2.2	5.2	-30	0
	B-Sand	06/18/07	7.22	23.6	<10	2.05	9.95	63	0.12
	B-Sand	09/21/07	6.9	24.4	70	2.17	4.43	48	0
	B-Sand	03/25/08	7.25	21.42	1.41	1.71	4.99	51	0.04
	B-Sand	06/17/08	7.03	21.88	1.05	1.81	4.2	129	0.06
	B-Sand	09/24/08	7.36	21.79	1.32	1.73	6.42	104	0.09
	B-Sand	12/03/08	6.96	21.26	6.5	1.81	6.45	87	0.69
Former Building 2 Area									
CMW002	C-Sand	03/26/08	7.34	21.71	0.8	0.96	0.68	-58	0.01
	C-Sand	09/23/08	7	23.1	4.1	0.981	0.34	-39	0.01
	C-Sand	12/03/08	7.17	21.6	2.75	1.037	0.18	-159	0.15
CMW026	C-Sand	03/26/08	6.87	21.28	2.2	1.15	0.4	-98	1.69
	C-Sand	08/05/08	6.46	22.08	2.5	3.05	0.38	-206	1.55
	C-Sand	09/23/08	6.67	21.94	3.8	2.63	0.2	-132	1.61
	C-Sand	12/03/08	6.97	21.95	4	2.36	0.09	-130	- -
IRZCMW001	C-Sand	03/26/08	7.26	21.5	7.5	1.22	5.09	129	0
	C-Sand	09/23/08	7.01	22.77	3.6	1.261	0.36	-50	0
	C-Sand	12/03/08	7.08	22.34	0.21	1.327	0.17	-152	0.27
IRZCMW002	C-Sand	03/26/08	6.88	20.79	3.3	1.95	0.42	98	1.87
	C-Sand	08/05/08	6.38	21.39	3.9	1.97	0.32	-162	1.74
	C-Sand	09/23/08	6.35	21.24	2.9	1.86	0.39	-70	1.65
	C-Sand	12/03/08	6.54	21.13	1.92	1.87	0.56	-192	- -
IRZCMW003	C-Sand	03/26/08	7.3	21.15	1.9	0.93	0.37	-121	0.02
	C-Sand	08/05/08	7.33	21.97	0.14	0.979	0.1	-107	0.01
	C-Sand	09/23/08	7.21	21.73	5	0.95	0.24	-34	0.01
	C-Sand	12/03/08	7.17	21.83	3.8	0.99	0.19	-78	- -
MWC024	C-Sand	03/26/08	7.22	21.48	0.1	1.53	0.39	-133	0.02
	C-Sand	08/05/08	7	22.96	0.12	1.61	0.96	-59	0.03
	C-Sand	09/23/08	6.99	22.2	7.1	1.402	0.35	27	0.04
	C-Sand	12/03/08	7.07	22.71	2.59	1.417	0.12	-27	0

Notes:
°C = degrees Celsius
NTU = nephelometric turbidity unit
mS/cm = milliSiemen per centimeter
mg/l = milligram per liter
mV = millivolt
"- -" = not analyzed

AVOCET ENVIRONMENTAL, INC.

Table 4
Summary of Prevalent Volatile Organic Compounds Analytical Results
(Units are µg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromodichloromethane	Carbon Disulfide	Chloroethane	Chloroform
Former Building 1/36 Area																
AW0055UB	B-Sand	05/10/07	Primary	60	44	440	8,800	140	6,900	3,000	1,200	47	<25	<25	<50	51
	B-Sand	06/20/07	Primary	96	63	510	9,500	130	38,000	9,300	3,800	62	<20	<20	<40	51
	B-Sand	03/25/08	Primary	14 J	48	550	19,000	99	<200	<200	<400	67	<40	<40	<80	52
	B-Sand	06/18/08	Primary	15	50	520	12,000	94	<50	<50	<100	59	<10	<10	<20	66
	B-Sand	06/18/08	Duplicate	14 J	46	530	12,000	92	<200	<200	<400	58	<40	<40	<80	64
	B-Sand	08/06/08	Primary	12 J	45	580	19,000	88	<200	<200	<400	63	<40	<40	<80	30 J
	B-Sand	09/24/08	Primary	6.2 J	54	650	8,900	98	<100	230	<200	70	<20	<20	<40	50
	B-Sand	12/02/08	Primary	7 J	51	660	9,000	110	1,900	540	250	84	<20	<20	<40	27
AW0064UB	B-Sand	09/24/08	Primary	<40	33 J	230	730	47	13,000	4,300	5,100	34	<40	<40	43 J	<40
	B-Sand	12/02/08	Primary	22 J	<50	620	870	160	35,000	16,000	11,000	66	<50	<50	48 J	20 J
AW0065UB	B-Sand	05/10/07	Primary	1,500	110 J	690	6,300	290	80,000	51,000	9,900	76 J	<200	<200	<400	<200
	B-Sand	05/10/07	Duplicate	1,600	120 J	770	7,300	320	100,000	61,000	12,000	82 J	<250	<250	<500	<250
	B-Sand	06/21/07	Primary	850	100 J	690	8,200	200	66,000	35,000	9,400	92 J	<200	<200	<400	<200
	B-Sand	09/24/08	Primary	<5	<5	3.4 J	<5	11	29	42	45 J	15	<5	<5	44	<5
	B-Sand	12/02/08	Primary	<5	<5	4.8 J	170	16	<25	<25	<50	28	<5	<5	90	<5
AW0066UB	B-Sand	05/10/07	Primary	<250	110 J	1,100	7,300	340	120,000	16,000	18,000	<250	<250	<250	<500	<250
	B-Sand	06/20/07	Primary	<1,000	<1,000	1,200	11,000	<500	190,000	20,000	26,000	<1,000	<1,000	<1,000	<2,000	<1,000
	B-Sand	03/25/08	Primary	<1	<1	6.9	140 A-01,P6	1.1	140	12	210	1.3	<1	3.8	<2	36
	B-Sand	06/17/08	Primary	25	19	100	1,500	28	120	590	450	19	<2	12 P-HS	1.1 J	5.8
	B-Sand	09/24/08	Primary	<1	0.51 J	6.2	120	2.8	220	25	130	4.9	<1	<1	9.4	<1
	B-Sand	12/02/08	Primary	<1	<1	2.1	28	1.7	140	24	81	5.2	<1	0.52 J	11	<1
AW0067UB	B-Sand	05/10/07	Primary	26	<20	220	3,200	27	1,700	<100	1,200	8.2 J	<20	<20	<40	22
	B-Sand	06/19/07	Primary	20	19	400	7,200	44	<120	17	<250	25	<1	<1	0.57 J	42
	B-Sand	03/25/08	Primary	<4	<4	9.3	440	<2	270	<20	110	1.6 J	<4	4.2	4.9 J	17
	B-Sand	06/17/08	Primary	20	20	100	920	29	200	650	550	18	<4	15	5.1 J	5.8
	B-Sand	09/24/08	Primary	<2	<2	3.8	88	3	390	180	160	7	<2	<2	18	<2
	B-Sand	09/24/08	Duplicate	<2	<2	4.1	87	3	360	180	130	6.8	<2	<2	17	<2
	B-Sand	12/02/08	Primary	<1	<1	2.4	41	2.3	350	170	120	6.6	<1	<1	16	<1
AW0073C	C-Sand	05/10/07	Primary	730	38 J	120	4,200	96	5,700	12,000	480	33 J	<40	<40	<80	<40
	C-Sand	06/20/07	Primary	600	42 J	120	4,600	64	9,700	25,000	720	34 J	<50	<50	<100	<50
	C-Sand	01/29/08	Primary	180	16 J	96	2,800	33	<100	2,900	110 J	23	<20	<20	<40	6.6 J
	C-Sand	02/26/08	Primary	110	11	84	2,000	32	<50	1,300	140	16	<10	<10	<20	3.9 J
	C-Sand	03/25/08	Primary	53	7 J	73	520	22	720	300	490	13	<20	<20	<40	<20
	C-Sand	04/22/08	Primary	40	8 J	71	520	19	<50	<50	60 J	11	<10	<10	<20	<10
	C-Sand	05/20/08	Primary	5.6	1.2 J	39	81	12	<10	170	<20	4	<2	<2	2.8 J	<2
	C-Sand	06/17/08	Primary	9.4	3	38	110	7.3	<10	<10	<20	3.9	<2	<2	<4	<2
	C-Sand	08/06/08	Primary	5.2	3.4	47	56	8.4	<10	<10	<20	4.4	<2	<2	<4	<2
	C-Sand	09/24/08	Primary	2.8	1.6	35	20	5.3	<5	<5	<10	1.6	<1	<1	<2	<1
	C-Sand	12/03/08	Primary	6.2 J	6 J	52	14	10	<50	<50	<100	6.2	<10	<10	<20	<10
AW0074UB	B-Sand	05/09/07	Primary	1.5	0.66 J	75	2,900	2.3	140	<5	53	20	<1	<1	<2	3
	B-Sand	06/19/07	Primary	4.5	2	81	3,400	3.8	<200	14	<400	24	<1	0.99 J	<2	3.6
	B-Sand	01/29/08	Primary	3.1 J	3.4 J	72	4,300	7.3	<50	<50	45 J	22	<10	<10	<20	4 J
	B-Sand	08/06/08	Primary	150	60	400	4,700	85	10,000	21,000	4,400	76	<40	<40	<80	25 J
	B-Sand	12/02/08	Primary	96	78	490	1,700	120	14,000	25,000	3,900	76	<50	<50	<100	25 J

AVOCET ENVIRONMENTAL, INC.

Table 4
Summary of Prevalent Volatile Organic Compounds Analytical Results
(Units are µg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Chloromethane	cis-1,2-Dichloroethene	Di-isopropyl Ether (DIPE)	Ethylbenzene	m,p-Xylenes	Methylene chloride	o-Xylene	Tetrachloroethene	Tetrahydrofuran (THF)	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride
Former Building 1/36 Area																	
AW0055UB	B-Sand	05/10/07	Primary	<50	10,000	- -	<25	- -	<25	- -	<25	1,200	1,400	270	1,600	<50	40
	B-Sand	06/20/07	Primary	<40	12,000	- -	<20	- -	<20	- -	<20	3,400	3,000	360	1,500	<40	67
	B-Sand	03/25/08	Primary	<80	9,100	14 J	<40	<40	<40	<20	<40	<400	120	480	11,000	<80	160
	B-Sand	06/18/08	Primary	<20	7,100	12 J	3.1 J	17	<10	5.6	<10	40 J	150	390	11,000	<20	250
	B-Sand	06/18/08	Duplicate	<80	6,800	11 J	<40	<40	<40	<20	<40	<400	150	380	11,000	<80	250
	B-Sand	08/06/08	Primary	<80	9,600	12 J	<40	<40	<40 B	<20	<40	<400	150	440	9,100	<80	930
	B-Sand	09/24/08	Primary	<40	10,000	13 J	<20	19 J	<20	<10	<20	79 J	1,200	480	6,500	<40	9,100
	B-Sand	12/02/08	Primary	<40	9,300	27 J	5 J	30	<20	9.8 J	<20	<200	1,600	500	7,200	<40	9,100
AW0064UB	B-Sand	09/24/08	Primary	<80	1,100	<80	<40	34 J	<40	12 J	<40	290 J	4,300	140	<40	<80	2,700
	B-Sand	12/02/08	Primary	<100	690	<100	17 J	96	<50	44	<50	<500	14,000	250	<50	<100	10,000
AW0065UB	B-Sand	05/10/07	Primary	<400	6,200	- -	<200	- -	<200	- -	<200	2,300	14,000	310	<200	<400	<100
	B-Sand	05/10/07	Duplicate	<500	7,000	- -	<250	- -	<250	- -	<250	2,400 J	15,000	350	<250	<500	<120
	B-Sand	06/21/07	Primary	<400	8,700	- -	<200	- -	<200	- -	<200	5500 B	15,000	360	86 J	<400	<100
	B-Sand	09/24/08	Primary	<10	17	<10	2.1 J	10	<5	4.6	<5	39 J	1,500	34	<5	<10	43
	B-Sand	12/02/08	Primary	<10	23	8.2 J	3.6 J	18	<5	8.5	<5	<50	1,600	62	2.3 J	<10	680
AW0066UB	B-Sand	05/10/07	Primary	<500	8,400	- -	<250	- -	<250	- -	<250	1,800 J	8,700	360	100 J	<500	220
	B-Sand	06/20/07	Primary	<2,000	11,000	- -	<1,000	- -	<1,000	- -	<1,000	<10,000	11,000	410 J	<1,000	<2,000	340 J
	B-Sand	03/25/08	Primary	6.3	180	<2	0.32 J	<1	1.2	<0.5	<1	82	5.7	8.1	72	<2	100
	B-Sand	06/17/08	Primary	<4	920	<4	4.1	20	<2	7.8	<2	12 J	2,000	67	590	<4	860
	B-Sand	09/24/08	Primary	<2	130	<2	0.71 J	3.1	<1	1.1	<1	29 B	240	11	37	<2	270
	B-Sand	12/02/08	Primary	0.61 J	78	<2	0.83 J	4	<1	1.5	<1	5 J	280	9.1	17	<2	190
AW0067UB	B-Sand	05/10/07	Primary	<40	1,000	- -	<20	- -	<100	- -	<20	8,900	79	73	3,700	<40	<10
	B-Sand	06/19/07	Primary	<2	6,100	- -	1.1	- -	1.7	- -	0.36 J	480	390	220	3,100	<2	10
	B-Sand	03/25/08	Primary	14	500	<8	<4	<4	<4	<2	<4	240	5.5	13	160	<8	6.4
	B-Sand	06/17/08	Primary	<8	820	<8	3.4 J	15	<4	6.1	<4	22 J	2,000	63	510	<8	780
	B-Sand	09/24/08	Primary	<4	57	<4	0.98 J	4.8	<2	1.7	<2	26 B	440	14	56	<4	240
	B-Sand	09/24/08	Duplicate	<4	63	<4	0.94 J	4.8	<2	1.6	<2	25 B	460	14	59	<4	240
	B-Sand	12/02/08	Primary	0.66 J	43	53	0.96 J	4.9	<1	1.8	<1	<10	340	11	30	<2	170
AW0073C	C-Sand	05/10/07	Primary	<80	1,200	- -	11 J	- -	<100	- -	<40	4,900	12,000	75	210	<80	<20
	C-Sand	06/20/07	Primary	<100	1,400	- -	<50	- -	<50	- -	<50	5,400	14,000	84	140	<100	<25
	C-Sand	01/29/08	Primary	<40	770	- -	6 J	- -	<20	- -	<20	470	6,900	54	53	<40	94
	C-Sand	02/26/08	Primary	<20	500	3.1 P-HS,J	3.6 J	14	<10	4.1 J	<10	2,200	4,400	42	30	<20 L	260
	C-Sand	03/25/08	Primary	<40	290	<40	<20	14 J	<20	<10	<20	9,800	3,200	35	14 J	<40	810
	C-Sand	04/22/08	Primary	<20	160	2.7 J	<10	6.7 J	<10	<5	<10	720	2,900	28	14	<20	1,200
	C-Sand	05/20/08	Primary	<4	46	1.3 J	0.84 J	3.6	<2	1.2	<2	7,700	620	12	3.5	<4	430
	C-Sand	06/17/08	Primary	<4	36	1.3 J	1 J	5	<2	1.8	<2	2,200	850	11	15	<4	480
	C-Sand	08/06/08	Primary	<4	24	1.5 J	1.1 J	4.9	<2 B	1.7	<2	<20	840	12	9.2	<4	490
	C-Sand	09/24/08	Primary	<2	14	0.9 J	0.36 J	2	<1	0.68	<1	1,000	41	6.9	5.4	<2	310
	C-Sand	12/03/08	Primary	<20	11	<20	<10	7.2 J	<10	<5	<10	520	1,100	15	9 J	<20	800
AW0074UB	B-Sand	05/09/07	Primary	1.1 J	120	- -	<1	- -	54	- -	0.55 J	880	0.79 J	79	2,300	<2	0.52
	B-Sand	06/19/07	Primary	<2	1,100	- -	1.1	- -	<1	- -	0.35 J	1,000	290	120	1,400	<2	5
	B-Sand	01/29/08	Primary	<20	730	- -	<10	- -	<10	- -	<10	52 J	220	77	2,000	<20	3.9 J
	B-Sand	08/06/08	Primary	36 J	1,800	<80	18 J	89	<40 B	32	<40	<400	15,000	250	1,200	<80	5,400
	B-Sand	12/02/08	Primary	<100	870	<100	20 J	97	<50	37	<50	210 J	15,000	210	300	<100	8,300

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Well I.D.	Category	Sample Date	Sample Type	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromodichloromethane	Carbon Disulfide	Chloroethane	Chloroform
AW0075UB	B-Sand	05/09/07	Primary	79	72	450	10,000	110	<5	7,000	2,000	100	<1	0.99 J	<2	27
	B-Sand	06/21/07	Primary	99	50	410	10,000	87	600	5,100	1,300 J	110	<20	<20	<40	<20
	B-Sand	01/30/08	Primary	350	82	560	14,000	140	11,000	26,000	5,100	95	<40	<40	<80	40
	B-Sand	02/26/08	Primary	250	78 J	560	13,000	180	19,000	26,000	10,000	73	<100	<100	<200	<100
	B-Sand	03/25/08	Primary	230	76	490	4,200	140	34,000	15,000	5,600	64	<50	<50	<100	28 J
	B-Sand	04/22/08	Primary	100	79 J	540	3,200	130	34,000	20,000	8,900	50	<100	<100	<200	<100
	B-Sand	04/22/08	Duplicate	100	77 J	540	3,200	130	38,000	24,000	14,000	44 J	<100	<100	<200	<100
	B-Sand	05/20/08	Primary	22 J	42	320	2,300	87	12,000	5,500	3,900	32	<40	<40	<80	<40
	B-Sand	06/18/08	Primary	<100	62 J	460	4,800	120	40,000	9,800	12,000	42 J	<100	<100	<200	<100
	B-Sand	08/06/08	Primary	<40	65	430	2,900	97	12,000	7,800	6,300	52	<40	<40	29 J	<40
	B-Sand	08/06/08	Duplicate	<40	62	430	3,100	97	12,000	8,200	6,800	54	<40	<40	<80	<40
	B-Sand	09/24/08	Primary	<40	51	320	1,500	86	12,000	6,200	3,800	42	<40	<40	41 J	<40
	B-Sand	12/03/08	Primary	<10	24	150	1,000	48	1,500	1,900	790	35	<10	<10	51	4.5 J
AW0076UB	B-Sand	05/09/07	Primary	88	180	990	9,800	260	75,000	31,000	18,000	100	<1	<1	<2	53
	B-Sand	06/21/07	Primary	140	180	960	9,600	280	57,000	29,000	17,000	82 J	<100	<100	<200	39 J
	B-Sand	01/30/08	Primary	22 J	170	1,300	11,000	320	140,000	24,000	39,000	90	<50	<50	<100	59
	B-Sand	02/26/08	Primary	<400	<400	920	6,600	220	110,000	17,000	31,000	<200	<400	<400	<800	<400
	B-Sand	03/25/08	Primary	<50	72	510	1,300	130	64,000	7,700	9,200	42	<50	<50	<100	<50
	B-Sand	04/22/08	Primary	<2,000	620 J	5,100	24,000	1,200	83,000	94,000	160,000	<1,000	<2,000	<2,000	<4,000	<2,000
	B-Sand	05/20/08	Primary	<400	<400	680	2,400	180 J	66,000	9,500	13,000	<200	<400	<400	<800	<400
	B-Sand	06/18/08	Primary	<100	60 J	480	1,900	120	30,000	8,200	9,000	44 J	<100	<100	<200	<100
	B-Sand	08/07/08	Primary	<40	29 J	260	360	53	7,100	5,400	4,900	44	<40	<40	100	<40
	B-Sand	09/24/08	Primary	<40 P1	49 P1	290 P1	760 P1	98 P1	11,000 P1	8,200 P1	4,800 P1	36 P1	<40 P1	<40 P1	54 P1,J	<40 P1
	B-Sand	12/03/08	Primary	<10	9.2 J	82	43	43	2,000	4,000	1,300	32	<10	<10	110	<10
	B-Sand	12/03/08	Duplicate	<10	10	95	54	47	3,000	4,700	2,500	34	<10	<10	130	<10
AW0077UB	B-Sand	05/10/07	Primary	<100	71 J	780	5,600	230	61,000	10,000	17,000	37 J	<100	<100	<200	<100
	B-Sand	06/20/07	Primary	<100	61 J	740	6,700	160	56,000	7,000	12,000	49 J	<100	<100	<200	<100
	B-Sand	01/30/08	Primary	<40	38 J	310	3,100	110	1,300	450	1,000	43	<40	<40	<80	<40
	B-Sand	02/26/08	Primary	<40	44	250	990	89	<200	<200	300 J	48	<40	<40	<80	<40
	B-Sand	02/26/08	Duplicate	<20	46	240	950	93	190	140	370	44	<20	<20	<40	<20
	B-Sand	03/25/08	Primary	<20	19 J	340	32	110	770	500	560	48	<20	<20	20 J	<20
	B-Sand	04/22/08	Primary	<40	20 J	330	23 J	79	4,000	1,200	2,100	27	<40	<40	<80	<40
	B-Sand	05/20/08	Primary	<20	<20	270	42	87	1,500	1,400	1,200	29	<20	<20	47	<20
	B-Sand	06/18/08	Primary	<10	<10	41	18	54	2,000	1,700	940	26	<10	<10	130	<10
	B-Sand	08/06/08	Primary	<10	<10	<10	<10	15	450	2,000	250	22	<10	<10	95	<10
	B-Sand	09/24/08	Primary	<10	<10	<10	<10	11	<50	310	<100	24	<10	<10	100	<10
	B-Sand	12/03/08	Primary	<10	<10	<10	<10	7.4	<50	<50	<100	24	<10	<10	72	<10
EWB001	B-Sand	05/08/07	Primary	<10	<10	3.6 J	460	<5	<50	<50	<100	<10	<10	<10	<20	<10
	B-Sand	06/18/07	Primary	<2	<2	3.5	660	<1	<10	<10	<20 C	<2	<2	<2	<4	1.5 J
	B-Sand	03/28/08	Primary	<2	<2	13	940	<1	<10	<10	<20	1.5	<2	<2	<4	1.7 J

AVOCET ENVIRONMENTAL, INC.

Table 4
Summary of Prevalent Volatile Organic Compounds Analytical Results
(Units are µg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Chloromethane	cis-1,2-Dichloroethene	Di-isopropyl Ether (DIPE)	Ethylbenzene	m,p-Xylenes	Methylene chloride	o-Xylene	Tetrachloroethene	Tetrahydrofuran (THF)	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride
AW0075UB	B-Sand	05/09/07	Primary	<2	6,800	- -	24	- -	160	- -	<1	3,700	12,000	340	560	<2	32
	B-Sand	06/21/07	Primary	<40	6,700	- -	24	- -	94	- -	<20	880	15,000	330	410	<40	62
	B-Sand	01/30/08	Primary	<80	8,000	- -	17 J	- -	<40	- -	<40	270 J	18,000	390	460	<80	1,000
	B-Sand	02/26/08	Primary	<200	7,400	<200 L	<100	<100	<100	<50	<100	<1,000	12,000	340	460	<200 L	800
	B-Sand	03/25/08	Primary	<100	4,300	<100	<50	60	<50	24 J	<50	<500	6,900	310	370	<100	3,300
	B-Sand	04/22/08	Primary	<200	2,700	<200	<100	<100	<100	<50	<100	<1,000	9,800	210	<100	<200	5,600
	B-Sand	04/22/08	Duplicate	<200	2,600	<200	<100	<100	<100	<50	<100	<1,000 C	11,000	220	<100	<200	6,600
	B-Sand	05/20/08	Primary	<80	1,500	<80	<40	30 J	<40	14 J	<40	<400	4,600	160	340	<80	3,000
	B-Sand	06/18/08	Primary	<200	2,600	570	<100	<100	<100	<50	<100	<1,000	6,400	210	280	<200	2,800
	B-Sand	08/06/08	Primary	<80	1,600	<80	<40	61	<40 B	25	<40	<400	6,600	220	31 J	<80	5,800
	B-Sand	08/06/08	Duplicate	<80	1,600	<80	<40	61	<40 B	25	<40	<400	6,800	240	32 J	<80	6,300
	B-Sand	09/24/08	Primary	<80	1,700	<80	<40	38 J	<40	16 J	<40	150 J	5,100	200	27 J	<80	5,800
	B-Sand	12/03/08	Primary	<20	1,000	<20	5.1 J	28	<10	12	<10	40 J	3,300	130	84	<20	2,900
AW0076UB	B-Sand	05/09/07	Primary	<2	12,000	- -	18	- -	300	- -	<1	1,500 J	16,000	500	53	<2	25
	B-Sand	06/21/07	Primary	<200	11,000	- -	<100	- -	<100	- -	<100	5,800	15,000	400	48 J	<200	<50
	B-Sand	01/30/08	Primary	<100	11,000	- -	14 J	- -	<50	- -	<50	270 J	15,000	570	28 J	<100	4,000
	B-Sand	02/26/08	Primary	<800	6,000	<800 L	<400	<400	<400	<200	<400	<4,000	8,700	330 J	<400	<800 L	5,500
	B-Sand	03/25/08	Primary	<100	2,000	<100	<50	46 J	<50	24 J	<50	<500	4,400	220	<50	<100	11,000
	B-Sand	04/22/08	Primary	<4,000	24,000	<4,000	<2,000	<2,000	<2,000	<1,000	<2,000	<20,000 C	59,000	1,900 J	<2,000	<4,000	60,000
	B-Sand	05/20/08	Primary	<800	3,000	<800	<400	<400	<400	<200	<400	<4,000	7,800	260 J	<400	<800	6,100
	B-Sand	06/18/08	Primary	<200	2,000	<200	<100	<100	<100	<50	<100	<1,000	6,000	220	<100	<200	5,600
	B-Sand	08/07/08	Primary	<80	160	<80	<40	49	52	21	<40	180 J	6,300	180	13 J	<80	5,300
	B-Sand	09/24/08	Primary	<80 P1	350 P1	<80 P1	<40 P1	34 P1,J	<40 P1	15 P1,J	<40 P1	170 P1,J	4,200 P1	160 P1	<40 P1	<80 P1	5,000 P1
	B-Sand	12/03/08	Primary	<20	22	<20	4.3 J	25	<10	13	<10	<100	2,800	100	<10	<20	2,200
	B-Sand	12/03/08	Duplicate	<20	23	<20	4.4 J	26	<10	13	<10	45 J	3,500	120	<10	<20	2,200
AW0077UB	B-Sand	05/10/07	Primary	<200	6,400	- -	<100	- -	<100	- -	<100	32,000	4,500	220	230	<200	120
	B-Sand	06/20/07	Primary	<200	8,600	- -	<100	- -	<100	- -	<100	2,300 B	4,800	280	41 J	<200	320
	B-Sand	01/30/08	Primary	<80	5,300	- -	<40	- -	<40	- -	<40	470	590	260	50	<80	8,600
	B-Sand	02/26/08	Primary	<80	3,300	10 J	<40	<40	<40	<20	<40	<400	190	260	<40	<80	13,000
	B-Sand	02/26/08	Duplicate	<40	3,000	11 J	<20	<20	<20	<10	<20	79 J	190	230	<20	<40	11,000
	B-Sand	03/25/08	Primary	<40	99	14 J	<20	<20	<20	<10	<20	210	530	190	<20	<40	15,000
	B-Sand	04/22/08	Primary	<80	53	<80	<40	<40	<40	<20	<40	360 J	1,100	110	<40	<80	87,000
	B-Sand	05/20/08	Primary	<40	67	<40	<20	12 J	<20	<10	<20	160 J	1,900	120	<20	<40	5,800
	B-Sand	06/18/08	Primary	<20	25	15 J	3.3 J	18	<10	8.4	<10	100	2,300	84	4.8 J	<20	4,600
	B-Sand	08/06/08	Primary	<20	<10	9.6 J	3.5 J	18	<10	7.9	<10	60 J	2,200	55	<10	<20	20
	B-Sand	09/24/08	Primary	<20	<10	7.2 J	3.5 J	19	<10	7.9	<10	47 J	2,100	53	<10	<20	20
	B-Sand	12/03/08	Primary	<20	6.7 J	7.7 J	4.1 J	22	<10	9.8	<10	45 J	2,100	42	<10	<20	19
EWB001	B-Sand	05/08/07	Primary	<20	56	- -	<10	- -	11	- -	<10	<100	3.9 J	4.1 J	560	<20	<5
	B-Sand	06/18/07	Primary	<4	49	- -	<2	- -	2.8	- -	<2	<20	<2	4.2	680	<4	<1
	B-Sand	03/28/08	Primary	<4	19	<4	<2	<2	<2	<1	0.64 J	<20	<2	14	860	<4	<1

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Well I.D.	Category	Sample Date	Sample Type	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromodichloromethane	Carbon Disulfide	Chloroethane	Chloroform
EWB002	B-Sand	06/21/07	Primary	71	100	530	7,400	150	58,000	13,000	7,600	58	<10	<10	<20	33
	B-Sand	06/21/07	Duplicate	73	100	550	7,500	150	62,000	14,000	8,700 J	59	<10	<10	<20	34
	B-Sand	12/12/07	Primary	22 J	76	540	3,400	140	16,000	11,000	8,000	58	<50	<50	<100	26 J
	B-Sand	01/29/08	Primary	<40	37 J	390	3,200	85	370	1,400	420	35 J	<40	<40	<80	14 J
	B-Sand	01/29/08	Duplicate	<40	39 J	420	3,700	94	310	1,600	490	38 J	<40	<40	<80	14 J
	B-Sand	02/26/08	Primary	<20	33	300	170	53	140	330	190 J	33	<20	<20	<40	7.4 J
	B-Sand	03/25/08	Primary	<20	17 J	180	18 J	31	960	420	320	20	<20	<20	<40	<20
	B-Sand	04/22/08	Primary	<20	9 J	140	290	47	1,300	1,500	730	17	<20	<20	18 J	<20
	B-Sand	05/20/08	Primary	<10	<10	71	150	40	600	750	280	18	<10	<10	49	<10
	B-Sand	05/20/08	Duplicate	<5	2.7 J	78	170	44	740	840	340	18	<5	<5	55	<5
	B-Sand	06/18/08	Primary	<4	<4	30	44	31	1,100	1,100	520	21	<4	<4	81	<4
	B-Sand	08/06/08	Primary	<10	<10	12	31	15	80	320	51 J	21	<10	<10	62	<10
	B-Sand	09/24/08	Primary	<5	<5	16	35	7.4	<25	<25	<50	13	<5	<5	45	<5
	B-Sand	12/03/08	Primary	<4	<4	31	120	11	<20	<20	<40	13	<4	<4	33	<4
MWB006	B-Sand	03/27/08	rimary Samp	<2,000	<2,000	3,000	<2,000	<1,000	990,000	<10,000	110,000	<1,000	<2,000	<2,000	<4,000	<2,000
	B-Sand	08/07/08	rimary Samp	<2,000	<2,000	3,800	<2,000	<1,000	1,500,000	9,600 J	190,000	<1,000	<2,000	<2,000	<4,000	<2,000
	B-Sand	09/24/08	rimary Samp	<2,000	<2,000	2,600	<2,000	<1,000	790,000	7,700 J	130,000	<1,000	<2,000	<2,000	<4,000	<2,000
	B-Sand	12/02/08	Client Sampl	<1,000	<1,000	2,200	<1,000	<500	910,000	7,400	91,000	<500	<1,000	<1,000	<2,000	<1,000
TMW_07	B-Sand	05/08/07	Primary	<1	7.8	0.75 J	19	<0.5	<5	<5	<10	<1	<1	<1	<2	4.2
	B-Sand	06/18/07	Primary	<1	10	0.96 J	18	<0.5	<5	<5	<10	<1	<1	<1	<2	5.3
	B-Sand	03/25/08	Primary	<5	7.2	<5	12	<2.5	<25	<25	<50	<2.5	<5	<5	<10	4.4 J
	B-Sand	06/17/08	Primary	<2	6.9	1.2 J	10	<1	<10	<10	<20	<1	<2	<2	<4	4.4
	B-Sand	09/24/08	Primary	<4	7.2	<4	11	<2	<20	<20	<40	<2	<4	<4	<8	4
	B-Sand	12/02/08	Primary	<4	6.3	<4	11 M2	<2	<20	<20	<40	<2	<4	<4	<8	3.8 J
WCC_06S	B-Sand	05/08/07	Primary	<20	15 J	170	6,100	29	<100	<100	<200	46	<20	<20	<40	11 J
	B-Sand	06/19/07	Primary	<1	5.1	56	1,900	8.6	<5 C	<5	<10 C	14	<1	<1	<2	4
	B-Sand	01/29/08	Primary	<1	<1	<1	21	<0.5	<5	<5	<10	<1	<1	<1	<2	<1
	B-Sand	03/26/08	Primary	<1	<1	1.8	290	<0.5	<5	<5	<10	<0.5	<1	<1	<2	1.1
	B-Sand	08/05/08	Primary	26	16 J	100	360	13	200	470	300	21	<20	<20	<40	<20
	B-Sand	12/02/08	Primary	<1	<1	2	350 M1	<0.5	<5	<5	<10	<0.5	<1	<1	<2	1.4
WCC_12S	B-Sand	05/09/07	Primary	<1	0.33 J	12	13	<0.5	<5	<5	<10	<1	<1	<1	<2	2.7
	B-Sand	06/18/07	Primary	<1	<1	17	17	<0.5	<5	<5	<10	<1	<1	<1	<2	4
	B-Sand	09/21/07	Primary	<1	0.37 J	18	15	<0.5	<5 C	<5	<10 C	<1	0.64 J	<1	<2	4.2
	B-Sand	03/25/08	Primary	<1	<1	4	2.3	<0.5	<5	<5	18	<0.5	0.47 J	<1	<2	2.5
	B-Sand	03/25/08	Duplicate	<1	<1	4.2	2.6	<0.5	<5	<5	12	<0.5	0.43 J	<1	<2	2.4
	B-Sand	06/17/08	Primary	<1	<1	5.4	4.8	<0.5	<5	<5	<10	<0.5	<1	<1	<2	2.2
	B-Sand	09/24/08	Primary	<1	<1	5.6	3.6	<0.5	<5	<5	6.7 J	<0.5	0.37 J	<1	<2	2.5
	B-Sand	12/03/08	Primary	<1	<1	4.9	3.8	<0.5	<5	<5	<10	<0.5	<1	<1	<2	2.6

AVOCET ENVIRONMENTAL, INC.

Table 4
Summary of Prevalent Volatile Organic Compounds Analytical Results
(Units are µg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Chloromethane	cis-1,2-Dichloroethene	Di-isopropyl Ether (DIPE)	Ethylbenzene	m,p-Xylenes	Methylene chloride	o-Xylene	Tetrachloroethene	Tetrahydrofuran (THF)	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride
EWB002	B-Sand	06/21/07	Primary	<20	5,800	- -	8.6 J	- -	<10	- -	<10	54 B,J	7,300	300	650 M2	<20	16
	B-Sand	06/21/07	Duplicate	<20	6,200	- -	8.9 J	- -	<10	- -	<10	66 B,J	7,800	300	620	<20	19
	B-Sand	12/12/07	Primary	<100	6,100	- -	<50	- -	<50	- -	<50	<500	6,800	300	14 J	<100	5,600
	B-Sand	01/29/08	Primary	<80 L	2,400	- -	<40	- -	68	- -	<40	140 J	2,600	220	<40	<80	6,800
	B-Sand	01/29/08	Duplicate	<80 L	2,800	- -	<40	- -	70	- -	<40	160 J	2,700	240	12 J	<80	7,500
	B-Sand	02/26/08	Primary	<40	160	9 J	<20	<20	<20	<10	<20	<200	1,200	200	<20	<40	9,900
	B-Sand	03/25/08	Primary	<40	12 J	<40	<20	<20	<20	<10	<20	<200	810	120	<20	<40	6,800
	B-Sand	04/22/08	Primary	<40	100	<40	<20	<20	<20	<10	<20	<200	810	91	5.8 J	<40	5,700
	B-Sand	05/20/08	Primary	<20	120	7 J	3 J	15	<10	5.2	<10	<100	1,900	69	2.8 J	<20	3,000
	B-Sand	05/20/08	Duplicate	<10	130	7.6 J	3.3 J	16	<5	5.5	<5	<50	1,900	77	3.4 J	<10	2,900
	B-Sand	06/18/08	Primary	<8	14	11	4	20	<4	7.5	<4	16 J	1,700	65	<4	<8	2,500
	B-Sand	08/06/08	Primary	<20	6.2 J	7.8 J	4 J	20	<10	7.6	<10	44 J	2,200	50	<10	<20	430
	B-Sand	09/24/08	Primary	<10	3.8 J	3.8 J	2.1 J	11	<5	4.2	<5	<50	1,200	44	2.3 J	<10	910
	B-Sand	12/03/08	Primary	<8	21	4 J	<4	11	<4	4.3	<4	<40	540	42	3.4 J	<8	1,100
MWB006	B-Sand	03/27/08	rimary Samp	<4,000	<2,000	<4,000	<2,000	<2,000	<2,000	<1,000	<2,000	<20,000	41,000	600 J	<2,000	<4,000	23,000
	B-Sand	08/07/08	rimary Samp	<4,000	<2,000	<4,000	<2,000	<2,000	<2,000	<1,000	<2,000	8,100 J	53,000	780 J	<2,000	<4,000	21,000
	B-Sand	09/24/08	rimary Samp	<4,000	<2,000	<4,000	<2,000	<2,000	<2,000	<1,000	<2,000	11,000 J	36,000	600 J	<2,000	<4,000	14,000
	B-Sand	12/02/08	Client Sampl	<2,000	<1,000	<2,000	<1,000	<1,000	<1,000	<500	<1,000	<10,000	31,000	440 J	<1,000	<2,000	12,000
TMW_07	B-Sand	05/08/07	Primary	<2	1.6	- -	<1	- -	<1	- -	1.3	<10	<1	<1	1,700	<2	<0.5
	B-Sand	06/18/07	Primary	<2	2.6	- -	<1	- -	<1	- -	0.85 J	<10	<1	<1	1,600	<2	<0.5
	B-Sand	03/25/08	Primary	<10	1.6 J	<10	<5	<5	<5	<2.5	<5	<50	<5	<5	1,300	<10	<2.5
	B-Sand	06/17/08	Primary	<4	1.4 J	<4	<2	<2	<2	<1	0.76 J	<20	<2	<2	970	<4	<1
	B-Sand	09/24/08	Primary	<8	1.4 J	<8	<4	<4	<4	<2	<4	<40	<4	<4	1,100	<8	<2
	B-Sand	12/02/08	Primary	<8	1.6 J	<8	<4	<4	<4	<2	<4	<40	<4	<4	1,100	<8	<2
WCC_06S	B-Sand	05/08/07	Primary	<40	2,400	- -	5.6 J	- -	<20 P-HS	- -	<20	<200	1,500	150	1,000	<40	550
	B-Sand	06/19/07	Primary	<2	630	- -	1.5	- -	<1	- -	1.6	<10 C	390	58	590	<2	210
	B-Sand	01/29/08	Primary	<2 L, M7	1.2	- -	<1	- -	<1	- -	<1	<10	<1	<1	22	<2	0.46 J
	B-Sand	03/26/08	Primary	<2	4.5	<2	<1	<1	<1	<0.5	2.3	<10	<1	2.9	400	<2	0.8
	B-Sand	08/05/08	Primary	<40	86	<40	5.8 J	25	22	11	<20	89 J	3,000	70	120	<40	3,700
	B-Sand	12/02/08	Primary	<2	4	<2	<1	<1	1.9	<0.5	3.7	<10	<1	2.7	330 M1	<2	1.6
WCC_12S	B-Sand	05/09/07	Primary	<2	0.97 J	- -	<1	- -	1.6	- -	0.93 J	<10	<1	<1	110	<2	<0.5
	B-Sand	06/18/07	Primary	<2	1.7	- -	<1	- -	<1	- -	<1	<10	<1	<1	140	<2	<0.5
	B-Sand	09/21/07	Primary	<2	1.8	- -	<1	- -	<1	- -	1.1	<10	<1	<1	120	<2	<0.5
	B-Sand	03/25/08	Primary	<2	<1	<2	<1	<1	<1	<0.5	<1	<10	<1	<1	35	<2	<0.5
	B-Sand	03/25/08	Duplicate	<2	<1	<2	<1	<1	<1	<0.5	0.32 J	<10	<1	<1	35	<2	<0.5
	B-Sand	06/17/08	Primary	<2 M2	<1	<2	<1	<1	<1	<0.5	0.4 J	<10	<1	<1	44	<2	<0.5
	B-Sand	09/24/08	Primary	<2	<1	<2	<1	<1	<1	<0.5	0.43 J	<10	<1	<1	43	<2	<0.5
	B-Sand	12/03/08	Primary	<2	0.45 J	<2	<1	<1	<1	<0.5	0.36 J	<10	<1	<1	43	<2	<0.5

AVOCET ENVIRONMENTAL, INC.

Well I.D.	Category	Sample Date	Sample Type	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromodichloromethane	Carbon Disulfide	Chloroethane	Chloroform
Former Building 2 Area																
CMW002	C-Sand	03/26/08	Primary	<20	<20	<20	<20	<10	<100	<100	<200	**76**	<20	<20	<40	<20
	C-Sand	09/23/08	Primary	<40	<40	<40	<40	<20	<200	<200	<400 C	**78**	<40	<40	<80	<40
	C-Sand	12/03/08	Primary	<20	<20	<20	<20	<10	<100	<100	<200	**85**	<20	<20	<40	<20
CMW026	C-Sand	03/26/08	Primary	<4	<4	**4.4**	**5.3**	<2	<20	<20	<40	<2	<4	<4	<8	<4
	C-Sand	08/05/08	Primary	<4	<4	<4	<4	<2	**41**	<20	**82**	<2	<4	<4	**1.9** JB	<4
	C-Sand	09/23/08	Primary	<2	<2	<2	**3.5**	**0.86** J	**17**	<10	**68**	<1	<2	<2	**3.2** J	<2
	C-Sand	09/23/08	Duplicate	<2	<2	<2	**3.4**	**0.92** J	**19**	<10	**56**	<1	<2	<2	**3.2** J	<2
	C-Sand	12/03/08	Primary	<2	<2	**2.1**	**2.1**	**1.6**	<10	<10	<20	<1	<2	<2	**3** J	<2
IRZCMW001	C-Sand	03/26/08	Primary	<4	**13**	**18**	**400**	**16**	<20	<20	<40	<2	<4	<4	<8	**27**
	C-Sand	09/23/08	Primary	<4	**15**	**20**	**540**	**18**	<20	<20	<40 C	<2	<4	<4	<8	**9.3**
	C-Sand	12/03/08	Primary	<4	**11**	**16**	**550**	**15**	<20	<20	<40	<2	<4	<4	<8	**5.2**
	C-Sand	12/03/08	Duplicate	<4	**12**	**16**	**580**	**13**	<20	<20	<40	<2	<4	<4	<8	**4.6**
IRZCMW002	C-Sand	03/26/08	Primary	<4	<4	<4	<4	<2	<20	<20	<40	<2	<4	<4	<8	<4
	C-Sand	08/05/08	Primary	<2.5	<2.5	<2.5	<2.5	<1.2	<12	<12	<25	<1.2	<2.5	<2.5	<5	<2.5
	C-Sand	09/23/08	Primary	<4	<4	<4	<4	<2	<20	<20	<40	<2	<4	<4	<8	<4
	C-Sand	12/03/08	Primary	<2	<2	**0.94** J	<2	<1	<10	<10	<20	<1	<2	<2	<4	<2
IRZCMW003	C-Sand	03/26/08	Primary	<20	<20	<20	**40**	<10	<100	<100	<200	<10	<20	<20	<40	**8.8** J
	C-Sand	08/05/08	Primary	<40	<40	<40	**54**	<20	<200	<200	<400	<20	<40	<40	<80	<40
	C-Sand	09/23/08	Primary	<40	<40	<40	**36** J	<20	<200	<200	<400	<20	<40	<40	<80	<40
	C-Sand	12/03/08	Primary	<20	<20	<20	**34**	<10	<100	<100	<200	<10	<20	<20	<40	**7.4** J
MWC024	C-Sand	03/26/08	Primary	<10	<10	<10	**31**	<5	<50	<50	<100	<5	<10	<10	<20	**220**
	C-Sand	08/05/08	Primary	<10	<10	<10	**56**	<5	<50	<50	<100	<5	<10	<10	<20	**230**
	C-Sand	08/05/08	Duplicate	<10	<10	<10	**63**	<5	<50	<50	<100	<5	<10	<10	<20	**260**
	C-Sand	09/23/08	Primary	<10	<10	<10	**52**	<5	<50	<50	<100	<5	<10	<10	<20	**160**
	C-Sand	12/03/08	Primary	<10	<10	<10	**65**	**3** J	<50	<50	<100	<5	<10	<10	<20	**91**

Notes:
Bold indicates detected concentration
< = not detected at a concentration greater than the laboratory reporting limit (RL) indicated
- - = not analyzed
J = estimated value; result below RL and above or equal to MDL (method detection limit)
A-01 = used unpreserved VOA because all preserved VOAs had headspace
P6 = sample received unpreserved; however, the sample was analyzed within 7 days per EPA recommendation
P-HS = sample container contained headspace
L = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits
B = analyte was detected in the associated Method Blank
M2 = the MS and/or MSD were below the acceptance limits due to sample matrix interference
M7 = the MS and/or MSD were above the acceptance limits
C = Calibration Verification recovery was above the method control limit for analyte; analyte not detected, data not impacted
H = Sample analysis performed past method-specified holding time.

AVOCET ENVIRONMENTAL, INC.

Table 4
Summary of Prevalent Volatile Organic Compounds Analytical Results
(Units are µg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Chloromethane	cis-1,2-Dichloroethene	Di-isopropyl Ether (DIPE)	Ethylbenzene	m,p-Xylenes	Methylene chloride	o-Xylene	Tetrachloroethene	Tetrahydrofuran (THF)	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride
Former Building 2 Area																	
CMW002	C-Sand	03/26/08	Primary	<40	<20	<40	<20	<20	<20	<10	<20	<200	<20	<20	**360**	<40	<10
	C-Sand	09/23/08	Primary	<80	<40	<80	<40	<40	<40	<20	<40	**140** J	<40	<40	**290**	<80	<20
	C-Sand	12/03/08	Primary	<40	<20	<40	<20	<20	<20	<10	<20	**70** J	<20	<20	**300**	<40	<10
CMW026	C-Sand	03/26/08	Primary	<8	**44**	<8	<4	<4	<4	<2	<4	<40	**1.8** J	**4.6**	**4.5**	<8	**1,200**
	C-Sand	08/05/08	Primary	<8	**3.1** JB	<8	<4	<4	**4.3**	<2	<4	<40	<4	**2.8** JB	<4	<8	**540**
	C-Sand	09/23/08	Primary	<4	**15**	**0.64** J	<2	<2	<2	<1	<2	<20	<2	**3.2**	**0.68** J	<4	**690**
	C-Sand	09/23/08	Duplicate	<4	**15**	**0.68** J	<2	<2	<2	<1	<2	<20	<2	**3.4**	<2	<4	**510**
	C-Sand	12/03/08	Primary	<4	**4**	**0.8** J	<2	<2	<2	<1	<2	<20	<2	**4.8**	**0.62** J	<4	**850**
IRZCMW001	C-Sand	03/26/08	Primary	<8	**35**	**1.7** J	<4	<4	<4	<2	<4	<40	<4	**19**	**1,100**	<8	<2
	C-Sand	09/23/08	Primary	<8	**38**	**2.1** J	<4	<4	<4	<2	<4	<40	<4	**11**	**1,100**	<8	<2
	C-Sand	12/03/08	Primary	<8	**33**	**1.6** J	<4	<4	<4	<2	<4	<40	<4	**7.7**	**1,100**	<8	<2 H
	C-Sand	12/03/08	Duplicate	<8	**32**	**1.6** J	<4	<4	<4	<2	<4	<40	<4	**7.2**	**1,500**	<8	<2
IRZCMW002	C-Sand	03/26/08	Primary	<8	**19**	<8	<4	<4	<4	<2	<4	<40	<4	**10**	**1.2** J	<8	**1,700**
	C-Sand	08/05/08	Primary	<5	**6.8**	<5	<2.5	<2.5	**6.3**	<1.2	<2.5	<25	<2.5	**8.6**	**3.2**	<5	**1,100**
	C-Sand	09/23/08	Primary	<8	**4.9**	<8	<4	<4	<4	<2	<4	<40	<4	**6.6**	**3.4** J	<8	**1,100**
	C-Sand	12/03/08	Primary	<4	**5.2**	<4	<2	<2	<2	<1	<2	<20	<2	**8.3**	**4**	<4	**1,100**
IRZCMW003	C-Sand	03/26/08	Primary	<40	**890**	<40	<20	<20	<20	<10	<20	<200	<20	<20	**6,500**	<40	**360**
	C-Sand	08/05/08	Primary	<80	**390**	<80	<40	<40	<40	<20	<40	**140** JB	<40	<40	**9,200**	<80	**78**
	C-Sand	09/23/08	Primary	<80	**190**	<80	<40	<40	<40	<20	<40	**150** J	<40	<40	**10,000**	<80	**41**
	C-Sand	12/03/08	Primary	<40	**390**	<40	<20	<20	<20	<10	<20	<200	<20	<20	**9,000**	<40	**81**
MWC024	C-Sand	03/26/08	Primary	<20	**3.9** J	<20	<10	<10	<10	<5	<10	<100	<10	<10	**2,500**	<20	<5
	C-Sand	08/05/08	Primary	<20	**7.2** JB	<20	<10	<10	<10	<5	<10	<100	<10	<10	**2,700**	<20	<5
	C-Sand	08/05/08	Duplicate	<20	**7.7** JB	<20	<10	<10	**9.8** JB	<5	<10	<100	<10	<10	**2,800**	<20	<5
	C-Sand	09/23/08	Primary	<20	**6.3** J	<20	<10	<10	<10	<5	<10	**39** J	<10	<10	**2,500**	<20	<5
	C-Sand	12/03/08	Primary	<20	**7** J	<20	<10	<10	<10	<5	<10	<100	<10	<10	**2,300**	<20	<5

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C = Calibration Verification recovery was above the method control limit for analyte; analyte not detected, data not impacted
H = Sample analysis performed past method-specified holding time.

AVOCET ENVIRONMENTAL, INC.

Table 5
Summary of Dissolved Hydrocarbon Gases Analytical Results
(Units are µg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Ethane	Ethylene	Methane
Former Building 1/36 Area						
AW0055UB	B-Sand	05/10/07	Primary	<2	<3	1.2
	B-Sand	06/20/07	Primary	<2	<3	1.3
	B-Sand	03/25/08	Primary	<1	1.8	2.8
	B-Sand	06/18/08	Primary	<1	1.9	1.7
	B-Sand	08/06/08	Primary	<1	12	170
	B-Sand	09/24/08	Primary	<1	630	8,200
	B-Sand	12/02/08	Primary	<1	1,200	11,000
AW0064UB	B-Sand	09/24/08	Primary	<1	470	8,400
	B-Sand	12/02/08	Primary	<1	280	3,000
AW0065UB	B-Sand	05/10/07	Primary	<2	<3	1.4
	B-Sand	05/10/07	Duplicate	<2	<3	1.3
	B-Sand	06/21/07	Primary	<2	<3	1.2
	B-Sand	09/24/08	Primary	<1	220	13,000
	B-Sand	12/02/08	Primary	0.85 J	300	15,000
AW0066UB	B-Sand	05/10/07	Primary	<2	<3	3.3
	B-Sand	06/20/07	Primary	<2	<3	<1
	B-Sand	03/25/08	Primary	0.73 J	0.53 J	5,700
	B-Sand	06/17/08	Primary	<1	4.2	2,700
	B-Sand	09/24/08	Primary	<1	26	11,000
	B-Sand	12/02/08	Primary	<1	20	9,400
AW0067UB	B-Sand	05/10/07	Primary	<2	<3	1.2
	B-Sand	06/19/07	Primary	<2	<3	1.4
	B-Sand	03/25/08	Primary	<1	0.45 J	3,600
	B-Sand	06/17/08	Primary	<1	4.9	8,800
	B-Sand	09/24/08	Primary	<1	55	14,000
	B-Sand	12/02/08	Primary	<1	47	9,100
AW0073C	C-Sand	05/10/07	Primary	<2	<3	1.3
	C-Sand	06/20/07	Primary	<2	<3	1.6
	C-Sand	01/29/08	Primary	<2	<3	140
	C-Sand	02/26/08	Primary	<2	1.3 J,B	250
	C-Sand	03/25/08	Primary	<1	2.7	630
	C-Sand	04/22/08	Primary	<1	2.9	110
	C-Sand	05/20/08	Primary	<1	3.7	3,600
	C-Sand	06/17/08	Primary	<1	4.3	560
	C-Sand	08/06/08	Primary	<1	7.3	310
	C-Sand	09/24/08	Primary	<1	6	200
	C-Sand	12/03/08	Primary	<1	56	61
AW0074UB	B-Sand	05/09/07	Primary	<2	<3	1.2
	B-Sand	06/19/07	Primary	<2	<3	1.3
	B-Sand	01/29/08	Primary	<2	<3	12
	B-Sand	08/06/08	Primary	<1	46	5.3
	B-Sand	12/02/08	Primary	0.5 J	470	240

AVOCET ENVIRONMENTAL, INC.

Table 5
Summary of Dissolved Hydrocarbon Gases Analytical Results
(Units are µg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Ethane	Ethylene	Methane
AW0075UB	B-Sand	05/09/07	Primary	<2	<3	1.1
	B-Sand	06/21/07	Primary	<2	<3	1.1
	B-Sand	01/30/08	Primary	<2	<3	33
	B-Sand	02/26/08	Primary	<2	<3 J,B	4.1
	B-Sand	03/25/08	Primary	<1	5.3	3.9
	B-Sand	04/22/08	Primary	<1	17	17
	B-Sand	05/20/08	Primary	<1	20	2,600
	B-Sand	06/18/08	Primary	<1	14	11,000
	B-Sand	08/06/08	Primary	<1	16	13,000
	B-Sand	09/24/08	Primary	<1	260	4,400
	B-Sand	12/03/08	Primary	<1	350	6,200
AW0076UB	B-Sand	05/09/07	Primary	<2	<3	1.4
	B-Sand	06/21/07	Primary	<2	<3	1.2
	B-Sand	01/30/08	Primary	<2	30	2.8
	B-Sand	02/26/08	Primary	0.51 J,B	57	120
	B-Sand	03/25/08	Primary	<1	85	550
	B-Sand	04/22/08	Primary	<1	57	540
	B-Sand	05/20/08	Primary	<1	56	3,000
	B-Sand	06/18/08	Primary	<1	42	4,200
	B-Sand	08/07/08	Primary	<1	170	8,100
	B-Sand	09/24/08	Primary	<1	130	11,000
	B-Sand	12/03/08	Primary	<1	320	12,000
AW0077UB	B-Sand	05/10/07	Primary	<2	<3	850
	B-Sand	06/20/07	Primary	<2	<3	1,200
	B-Sand	01/30/08	Primary	<2	61	1,600
	B-Sand	02/26/08	Primary	<2	87	1,100
	B-Sand	03/25/08	Primary	<1	270	5,000
	B-Sand	04/22/08	Primary	<1	96	8,000
	B-Sand	05/20/08	Primary	<1	120	10,000
	B-Sand	06/18/08	Primary	<1	89	13,000
	B-Sand	08/06/08	Primary	<1	240	12,000
	B-Sand	09/24/08	Primary	<1	270	11,000
	B-Sand	12/03/08	Primary	<1	260	8,000
EWB001	B-Sand	05/08/07	Primary	<2	<3	12
	B-Sand	06/18/07	Primary	<2	<3	9.4
EWB002	B-Sand	06/21/07	Primary	<2	<3	2.3
	B-Sand	06/21/07	Duplicate	<2	<3	2.3
	B-Sand	12/12/07	Primary	<2	10	540
	B-Sand	01/29/08	Primary	<2	7.5	570
	B-Sand	02/26/08	Primary	<2	28	1,400
	B-Sand	03/25/08	Primary	<1	39	3,500
	B-Sand	04/22/08	Primary	<1	18	9,400
	B-Sand	05/20/08	Primary	<1	14	12,000
	B-Sand	06/18/08	Primary	<1	40	14,000
	B-Sand	08/06/08	Primary	<1	75	10,000
	B-Sand	09/24/08	Primary	0.53 J	170	9,300
	B-Sand	12/03/08	Primary	<1	180	5,800

AVOCET ENVIRONMENTAL, INC.

Table 5
Summary of Dissolved Hydrocarbon Gases Analytical Results
(Units are µg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Ethane	Ethylene	Methane
MWB006	B-Sand	08/07/08	Primary	<1	**130**	**58**
	B-Sand	09/24/08	Primary	**0.64 J**	**160**	**150**
	B-Sand	12/02/08	Primary	**30**	<1	**30**
TMW_07	B-Sand	05/08/07	Primary	<2	<3	<1
	B-Sand	06/18/07	Primary	<2	<3	<1
	B-Sand	03/25/08	Primary	<1	**0.41 J**	**0.47 J**
	B-Sand	06/17/08	Primary	<1	<1	**0.46 J,B**
	B-Sand	09/24/08	Primary	<1	<1	<1
	B-Sand	12/02/08	Primary	<1	<1	<1
WCC_06S	B-Sand	05/08/07	Primary	<2	<3	**2.7**
	B-Sand	06/19/07	Primary	<2	<3	**1.5**
	B-Sand	01/29/08	Primary	<2	<3	<1
	B-Sand	08/05/08	Primary	**1.1**	**35**	**1,700**
	B-Sand	12/02/08	Primary	<1	<1	**0.52 J**
WCC_12S	B-Sand	05/09/07	Primary	<2	<3	**1.4**
	B-Sand	06/18/07	Primary	<2	<3	<1
	B-Sand	09/21/07	Primary	<0.002	<0.003	<0.001
	B-Sand	03/25/08	Primary	<1	<1	**1.2**
	B-Sand	06/17/08	Primary	<1	<1	**0.98 J,B**
	B-Sand	09/24/08	Primary	<1	<1	**6.2**
	B-Sand	12/03/08	Primary	<1	<1	**0.39 J**
Former Building 2 Area						
CMW002	C-Sand	03/26/08	Primary	<1	<1	**2**
	C-Sand	09/23/08	Primary	<1	<1	<1
	C-Sand	12/03/08	Primary	<1	<1	**1.3**
CMW026	C-Sand	03/26/08	Primary	<1	**6**	**21,000**
	C-Sand	08/05/08	Primary	<1	**1.6**	**23,000**
	C-Sand	09/23/08	Primary	<1	**0.94 J**	**23,000**
	C-Sand	12/03/08	Primary	<1	**2.6**	**17,000**
IRZCMW001	C-Sand	03/26/08	Primary	<1	<1	**1.3**
	C-Sand	09/23/08	Primary	<1	<1	**4,900**
	C-Sand	12/03/08	Primary	<1	**0.36 J**	**4,900**
IRZCMW002	C-Sand	03/26/08	Primary	<1	**46**	**23,000**
	C-Sand	08/05/08	Primary	<1	**34**	**19,000**
	C-Sand	09/23/08	Primary	<1	**26**	**17,000**
	C-Sand	12/03/08	Primary	<1	**24**	**17,000**
IRZCMW003	C-Sand	03/26/08	Primary	<1	**8.6**	**14,000**
	C-Sand	08/05/08	Primary	<1	**2.8**	**18,000**
	C-Sand	09/23/08	Primary	<1	**1.8**	**23,000**
	C-Sand	12/03/08	Primary	<1	**2.4**	**16,000**
MWC024	C-Sand	03/26/08	Primary	<1	<1	**3,200**
	C-Sand	08/05/08	Primary	<1	<1	**2,700**
	C-Sand	09/23/08	Primary	<1	<1	**2,300**
	C-Sand	12/03/08	Primary	<1	<1	**270**

Notes:

< = not detected at a concentration greater than the laboratory reporting limit indicated

Bold indicates detected concentration

J = estimated value; analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL)

B = analyte detected in Method Blank

AVOCET ENVIRONMENTAL, INC.

Table 6
Summary of Total Organic Carbon Analytical Results
(Units are mg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Total Organic Carbon	
Former Building 1/36 Area					
AW0055UB	B-Sand	05/10/07	Primary	**76**	
	B-Sand	06/20/07	Primary	**170**	
	B-Sand	03/25/08	Primary	**3.6**	
	B-Sand	06/18/08	Primary	**4.1**	
	B-Sand	09/24/08	Primary	**11**	
	B-Sand	12/02/08	Primary	**20**	
AW0064UB	B-Sand	09/24/08	Primary	**240**	
	B-Sand	12/02/08	Primary	**380**	
AW0065UB	B-Sand	05/10/07	Primary	**480**	
	B-Sand	05/10/07	Duplicate	**470**	
	B-Sand	06/21/07	Primary	**430**	
	B-Sand	09/24/08	Primary	**21**	
	B-Sand	12/02/08	Primary	**12**	
AW0066UB	B-Sand	05/10/07	Primary	**530**	
	B-Sand	06/20/07	Primary	**710**	
	B-Sand	03/25/08	Primary	**3,300**	
	B-Sand	06/17/08	Primary	**2,400**	
	B-Sand	09/24/08	Primary	**4,100**	**P, pH**
	B-Sand	12/02/08	Primary	**3,800**	
AW0067UB	B-Sand	05/10/07	Primary	**11**	
	B-Sand	06/19/07	Primary	**5.8**	
	B-Sand	03/25/08	Primary	**2,200**	
	B-Sand	06/17/08	Primary	**1,200**	
	B-Sand	09/24/08	Primary	**3,500**	**P, pH**
	B-Sand	12/02/08	Primary	**3,100**	
AW0073C	C-Sand	05/10/07	Primary	**59**	
	C-Sand	06/20/07	Primary	**150**	
	C-Sand	01/29/08	Primary	**16**	
	C-Sand	02/26/08	Primary	**11**	
	C-Sand	03/25/08	Primary	**29**	
	C-Sand	04/22/08	Primary	**5.4**	
	C-Sand	05/20/08	Primary	**100**	
	C-Sand	06/17/08	Primary	**4.1**	
	C-Sand	09/24/08	Primary	<1	
	C-Sand	12/03/08	Primary	**1.5**	
AW0074UB	B-Sand	05/09/07	Primary	**1.9**	**B**
	B-Sand	06/19/07	Primary	**3.8**	
	B-Sand	01/29/08	Primary	**1.6**	
	B-Sand	12/02/08	Primary	**250**	

AVOCET ENVIRONMENTAL, INC.

Table 6
Summary of Total Organic Carbon Analytical Results
(Units are mg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Total Organic Carbon
AW0075UB	B-Sand	05/09/07	Primary	**84**
	B-Sand	06/21/07	Primary	**87**
	B-Sand	01/30/08	Primary	**120**
	B-Sand	02/26/08	Primary	**150**
	B-Sand	02/26/08	Primary	**150**
	B-Sand	03/25/08	Primary	**210**
	B-Sand	04/22/08	Primary	**440**
	B-Sand	05/20/08	Primary	**400**
	B-Sand	06/18/08	Primary	**430**
	B-Sand	09/24/08	Primary	**250**
	B-Sand	12/03/08	Primary	**150**
AW0076UB	B-Sand	05/09/07	Primary	**540**
	B-Sand	06/21/07	Primary	**630**
	B-Sand	01/30/08	Primary	**550**
	B-Sand	02/26/08	Primary	**380**
	B-Sand	02/26/08	Primary	**380**
	B-Sand	03/25/08	Primary	**480**
	B-Sand	04/22/08	Primary	**440**
	B-Sand	05/20/08	Primary	**470**
	B-Sand	06/18/08	Primary	**450**
	B-Sand	09/24/08	Primary	**480**
	B-Sand	12/03/08	Primary	**280**
AW0077UB	B-Sand	05/10/07	Primary	**660**
	B-Sand	06/20/07	Primary	**670**
	B-Sand	01/30/08	Primary	**150**
	B-Sand	02/26/08	Primary	**71**
	B-Sand	03/25/08	Primary	**150**
	B-Sand	04/22/08	Primary	**280**
	B-Sand	05/20/08	Primary	**350**
	B-Sand	06/18/08	Primary	**300**
	B-Sand	09/24/08	Primary	**37**
	B-Sand	12/03/08	Primary	**46**
EWB001	B-Sand	05/08/07	Primary	**1.2**
	B-Sand	06/18/07	Primary	<1
EWB002	B-Sand	06/21/07	Primary	**230**
	B-Sand	06/21/07	Duplicate	**250**
	B-Sand	12/12/07	Primary	**20**
	B-Sand	01/29/08	Primary	**150**
	B-Sand	02/26/08	Primary	**130**
	B-Sand	03/25/08	Primary	**200**
	B-Sand	04/22/08	Primary	**430**
	B-Sand	05/20/08	Primary	**200**
	B-Sand	06/18/08	Primary	**160**
	B-Sand	09/24/08	Primary	**6.6**
	B-Sand	12/03/08	Primary	**3.1**
MWB006	B-Sand	08/07/08	Primary	**1,600**
	B-Sand	09/24/08	Primary	**1,600**
	B-Sand	12/02/08	Primary	**1,600**

AVOCET ENVIRONMENTAL, INC.

Table 6
Summary of Total Organic Carbon Analytical Results
(Units are mg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Total Organic Carbon
TMW_07	B-Sand	05/08/07	Primary	**1.5**
	B-Sand	06/18/07	Primary	<1
	B-Sand	03/25/08	Primary	<1
	B-Sand	06/17/08	Primary	**1.6 A-01**
	B-Sand	09/24/08	Primary	<1
	B-Sand	12/02/08	Primary	**1**
WCC_06S	B-Sand	05/08/07	Primary	**5.5**
	B-Sand	06/19/07	Primary	**2.5**
	B-Sand	01/29/08	Primary	**1.4**
	B-Sand	12/02/08	Primary	**1.1**
WCC_12S	B-Sand	05/09/07	Primary	**2 B**
	B-Sand	06/18/07	Primary	**1.9**
	B-Sand	09/21/07	Primary	**1.8**
	B-Sand	03/25/08	Primary	**1.4**
	B-Sand	06/17/08	Primary	**3**
	B-Sand	09/24/08	Primary	<1
	B-Sand	12/03/08	Primary	**2.2**
Former Building 2 Area				
CMW002	C-Sand	03/26/08	Primary	**16**
	C-Sand	09/23/08	Primary	**19**
	C-Sand	12/03/08	Primary	**13**
CMW026	C-Sand	03/26/08	Primary	**8.6**
	C-Sand	08/05/08	Primary	**450**
	C-Sand	09/23/08	Primary	**93**
	C-Sand	12/03/08	Primary	**9**
IRZCMW001	C-Sand	03/26/08	Primary	<1
	C-Sand	09/23/08	Primary	<1
	C-Sand	12/03/08	Primary	<1
IRZCMW002	C-Sand	03/26/08	Primary	**24**
	C-Sand	08/05/08	Primary	**19**
	C-Sand	09/23/08	Primary	**24**
	C-Sand	12/03/08	Primary	**16**
IRZCMW003	C-Sand	03/26/08	Primary	<1
	C-Sand	08/05/08	Primary	<1
	C-Sand	09/23/08	Primary	<1
	C-Sand	12/03/08	Primary	<1
MWC024	C-Sand	03/26/08	Primary	<1
	C-Sand	08/05/08	Primary	<1
	C-Sand	09/23/08	Primary	<1
	C-Sand	12/03/08	Primary	**0.65 J**

Notes:

< = not detected at a concentration greater than the laboratory reporting limit indicated

Bold indicates detected concentration

A-01 = Sample can not be homogenized

B = analyte detected in Method Blank

J = estimated value; analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL)

P, pH = sample not preserved in accordance to the referenced analytical method, ph = 3

AVOCET ENVIRONMENTAL, INC

Table 7
Summary of Volatile Fatty Acids Analytical Results
(Units are mg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid	Pentanoic Acid	Propionic Acid	Pyruvic Acid
Former Building 1/36 Area												
AW0055UB	B-Sand	05/10/07	Primary	84.1	0.975	NR	NR	NR	1	NR	17.2	NR
	B-Sand	06/20/07	Primary	140	2.8	0.68	<0.1	0.85	9.8	0.68	36	0.82
	B-Sand	03/25/08	Primary	1.5 M	<0.07 M	<0.1 M	<0.1	<0.07 M	<0.1 M	<0.07	0.24 M	<0.07 M
	B-Sand	06/18/08	Primary	1.1 M	<0.07 M	<0.1 M	<0.1	<0.07 M	0.14 M	<0.07	<0.07 M	<0.07 M
	B-Sand	09/24/08	Primary	15	<0.07	<0.1	<0.1	<0.07	<1	<0.07	1.8	<0.07
	B-Sand	12/02/08	Primary	7.4	0.11 M	<0.1 M	<0.1 M	<0.07 M	<0.1	<0.07 M	0.91 M	<0.07 M
AW0064UB	B-Sand	09/24/08	Primary	290	14	0.69 M	0.51	3.9	<10	3.4 M	51	3.6
	B-Sand	12/02/08	Primary	430	9.9	0.47 M	<0.1 M	3.4 M	13	2.9 M	56	3.9 M
AW0065UB	B-Sand	05/10/07	Primary	426	8.4	NR	NR	NR	1	NR	67.6	NR
AW0065UB	B-Sand	05/10/07	Duplicate	460	8.63	NR	NR	NR	1	NR	68.1	NR
	B-Sand	06/21/07	Primary	340	5.8	0.21	<0.1	2.3	71	0.38	54	1.4
	B-Sand	09/24/08	Primary	1.4 M	<0.07 M	<0.1 M	<0.1	<0.07 M	<0.1 M	<0.07 M	<0.07 M	<0.07 M
	B-Sand	12/02/08	Primary	13	<0.07 M	0.32 M	<0.1 M	<0.07 M	1.5	<0.07 M	1.3 M	<0.07 M
AW0066UB	B-Sand	05/10/07	Primary	483	13.6	NR	NR	NR	1	NR	72.9	NR
	B-Sand	06/20/07	Primary	480	22	0.44	<0.1	1.2	15	1.2	61	2
	B-Sand	03/25/08	Primary	440	1,900	680	1.5	270	<10	240	78	190
	B-Sand	06/17/08	Primary	1,400	220	7.6 M	<0.1	12	1,700	31	710	34
	B-Sand	09/24/08	Primary	1,600	670	47	<0.1	260	<100	330	1,300	170
	B-Sand	12/02/08	Primary	2,000	880	68	0.77 M	300	290	380	1,700	210
AW0067UB	B-Sand	05/10/07	Primary	0.19	0.1	NR	NR	NR	0.1	NR	0.016 J	NR
	B-Sand	06/19/07	Primary	5.8	<0.07	<0.1	<0.1	<0.07	<0.1	<0.07	<0.07	<0.07
	B-Sand	03/25/08	Primary	1,200	740	72	2.3	230	70 J	78	420	130
	B-Sand	06/17/08	Primary	470	130	6.2 M	<0.1	4.2	1,200	11	100	12
	B-Sand	09/24/08	Primary	3,000	810	66	<0.1	340	<100	350	2,100	160
	B-Sand	12/02/08	Primary	1,600	540	42	0.52 M	210	<100	240	1,200	140
AW0073C	C-Sand	05/10/07	Primary	58.8	3.28	NR	NR	NR	0.1	NR	10.6	NR
	C-Sand	06/20/07	Primary	58	2	0.45	<0.1	1.2	2	0.15	9.9	0.33
	C-Sand	02/26/08	Primary	9.7 M	0.09	<0.1	<0.1	0.19	<0.1 M	<0.07	0.61	0.15
	C-Sand	03/25/08	Primary	35	<0.07 M	0.12 M	<0.1	<0.07 M	<1	<0.07	1.6	<0.07 M
	C-Sand	04/22/08	Primary	5.4 M	<0.07 M	<0.1 M	<0.1	<0.07 M	<0.1 M	<0.07 M	<0.07 M	<0.07 M
	C-Sand	05/20/08	Primary	1.3 M	<0.07	0.15	<0.1	<0.07	0.22 M	<0.07	<0.07	<0.07 M
	C-Sand	06/17/08	Primary	2.1 M	<0.07 M	<0.1 M	<0.1	<0.07 M	0.43 M	<0.07	<0.07 M	<0.07 M
	C-Sand	09/24/08	Primary	0.08 M	<0.07 M	<0.1 M	<0.1	<0.07 M	0.22 M	<0.07 M	<0.07 M	<0.07 M
	C-Sand	12/03/08	Primary	1.5 M	<0.07 M	<0.1 M	<0.1 M	<0.07 M	0.42 M	<0.07 M	<0.07 M	<0.07 M

AVOCET ENVIRONMENTAL, INC.

Table 7
Summary of Volatile Fatty Acids Analytical Results
(Units are mg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid	Pentanoic Acid	Propionic Acid	Pyruvic Acid
AW0074UB	B-Sand	05/09/07	Primary	<0.1	<0.1	NR	NR	NR	<0.1	NR	<0.1	NR
	B-Sand	06/19/07	Primary	1.5	<0.07	<0.1	<0.1	<0.07	<0.1	<0.07	<0.07	<0.07
	B-Sand	01/29/08	Primary	0.06 J	<0.07	<0.1	<0.1	<0.07		<0.07	<0.07	<0.07 M
	B-Sand	12/02/08	Primary	290	4.8	0.42 M	0.17 M	3.7 M	<10	1.6 M	32	3.4 M
AW0075UB	B-Sand	05/09/07	Primary	154	0.2	NR	NR	NR	<2	NR	1.12 J	NR
	B-Sand	06/21/07	Primary	140	1.8	0.42	<0.1	1.7	1.6	0.14	1.4	0.54
	B-Sand	02/26/08	Primary	160	2.5	<0.1	<0.1	1.4	11	0.16	23	1.1
	B-Sand	03/25/08	Primary	180	4.9	<0.1 UM	<0.1	1.8 M	<10	0.45	38	1.7 M
	B-Sand	04/22/08	Primary	430	47	0.69 M	0.44	8.2	<10	4	120	7.8
	B-Sand	05/20/08	Primary	430	31	1.7	0.69	7.7	21	8.6	110	4.2 M
	B-Sand	06/18/08	Primary	870	11	1.1 M	0.71	7.6	28	5.7	220	5.7
	B-Sand	09/24/08	Primary	280	9.6	0.48	0.53	2.4	<10	2.2	56	3.1
	B-Sand	12/03/08	Primary	170	2.9	0.57 M	0.34	1.9 M	13	1.4 M	29	2.7 M
AW0076UB	B-Sand	05/09/07	Primary	576	6.97	NR	NR	NR	<1	NR	101	NR
	B-Sand	06/21/07	Primary	450	9.1	0.25	<0.1	2.1	11	0.86	90	2
	B-Sand	02/26/08	Primary	270	25	0.13	<0.1	3.2	8.4 J	1.5	52	3.8
	B-Sand	03/25/08	Primary	360	58	0.34 M	0.33	4.8	<10	2.8	90	5.4
	B-Sand	04/22/08	Primary	550	19	0.9 M	0.49	5.2	<10	3.7 M	140	3.8
	B-Sand	05/20/08	Primary	430	16	1	0.5	5.9	20	3.5	86	3.4 M
	B-Sand	06/18/08	Primary	440	29	3.9 M	0.69	11	12	6.1	110	4.5
	B-Sand	09/24/08	Primary	470	27	2.4	0.9	5.2	<10	5.3	120	5.8
	B-Sand	12/03/08	Primary	350	19	3 M	0.63	3.8 M	14	4.7 M	73	4.5 M
AW0077UB	B-Sand	05/10/07	Primary	333	36.1	NR	NR	NR	1	NR	74.6	NR
	B-Sand	06/20/07	Primary	770	66	7	0.3	6.5	14	6.9	97	9.7
	B-Sand	02/26/08	Primary	82	1.5	<0.1	<0.1	0.38	<1	0.28	2	0.32
	B-Sand	03/25/08	Primary	190	4.3	0.87 M	<0.1	1.3 M	<10	0.38	21	1.6 M
	B-Sand	04/22/08	Primary	220	19	1.7 M	<0.1	1.4	<10	2.9 M	38	1.6
	B-Sand	05/20/08	Primary	320	15	1.4	0.51	4.1	18	3.9	51	3.3 M
	B-Sand	06/18/08	Primary	370	13	0.59 M	0.61	7	14	3.4	71	5.1
	B-Sand	09/24/08	Primary	8.2 M	<0.07 M	<0.1 M	<0.1	<0.07 M	<0.1 M	<0.07 M	0.38 M	0.13 M
	B-Sand	12/03/08	Primary	7.7 M	<0.07 M	<0.1 M	<0.1 M	<0.07 M	0.36 M	<0.07 M	<0.07 M	<0.07 M

AVOCET ENVIRONMENTAL, INC.

Table 7
Summary of Volatile Fatty Acids Analytical Results
(Units are mg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid	Pentanoic Acid	Propionic Acid	Pyruvic Acid
EWB001	B-Sand	05/08/07	Primary	**0.1**	**0.1**	NR	NR	NR	**0.1**	NR	**0.1**	NR
	B-Sand	06/18/07	Primary	**0.13**	<0.07	<0.1	<0.1	<0.07	**0.26**	<0.07	<0.07	<0.07
EWB002	B-Sand	06/21/07	Primary	**210**	**5.2**	**0.25**	<0.1	**0.9**	**23**	**0.51**	**13**	**0.97**
	B-Sand	06/21/07	Duplicate	**220**	**4.8**	**0.19**	<0.1	**0.83**	**18**	**0.5**	**13**	**0.9**
	B-Sand	02/26/08	Primary	**120**	**14**	**0.47**	**0.28**	**4.3**	**12**	**1.8**	**34**	**3**
	B-Sand	03/25/08	Primary	**200**	**6.8**	**0.27 M**	<0.1	**5.4**	<10	**2.5**	**64**	**4.2**
	B-Sand	04/22/08	Primary	**380**	**89**	**13**	**0.8**	**11**	<10	**14**	**140**	**12**
	B-Sand	05/20/08	Primary	**230**	**10**	**1**	**0.67**	**7.2**	**18**	**3.8**	**65**	**4.2**
	B-Sand	06/18/08	Primary	**160**	**2.8**	**0.18 M**	**0.66**	**9.5 M**	**1.6**	**1.9**	**65**	**4.2 M**
	B-Sand	09/24/08	Primary	**8.2 M**	**0.38 M**	<0.1 M	<0.1	<0.07 M	<0.1 M	<0.07 M	**0.41 M**	**0.14 M**
	B-Sand	12/03/08	Primary	**0.35 M**	<0.07 M	<0.1 M	<0.1 M	<0.07 M	**0.35 M**	<0.07 M	<0.07 M	<0.07 M
MWB006	B-Sand	08/07/08	Primary	**2,000 M**	**72 M**	<1	<1 M	**0.45**	**2.9 M**	**1.3 M**	**140 M**	**4.7 M**
	B-Sand	09/24/08	Primary	**3,300**	**50**	**1.2 M**	<0.1	**4.5**	**86 J**	**1.7**	**330**	**5.4**
	B-Sand	12/02/08	Primary	**760**	**42**	**0.99 M**	<0.1 M	**2.5**	**17**	**0.89 M**	**110**	**3.1**
TMW_07	B-Sand	05/08/07	Primary	**0.1**	**0.1**	NR	NR	NR	**0.1**	NR	**0.1**	NR
	B-Sand	06/18/07	Primary	**0.18**	<0.07	<0.1	<0.1	<0.07	**0.23**	<0.07	<0.07	**0.19**
	B-Sand	03/25/08	Primary	**0.64 M**	<0.07 M	<0.1 M	<0.1	<0.07 M	<0.1 M	<0.07	<0.07 M	**0.25 M**
	B-Sand	06/17/08	Primary	**0.11 M**	<0.07 M	<0.1 M	<0.1	<0.07 M	**0.37 M**	<0.07	<0.07 M	**0.34 M**
	B-Sand	09/24/08	Primary	<0.07 M	<0.07 M	<0.1 M	<0.1	<0.07 M	<0.1 M	<0.07 M	<0.07 M	**0.38 M**
	B-Sand	12/02/08	Primary	**0.2 M**	<0.07 M	**0.17 M**	<0.1 M	<0.07 M	**0.28 M**	<0.07 M	<0.07 M	**0.43 M**
WCC_06S	B-Sand	05/08/07	Primary	**7.7**	**0.1**	NR	NR	NR	**0.1**	NR	**0.1**	NR
	B-Sand	06/19/07	Primary	**2.2**	<0.07	**0.2**	<0.1	<0.07	**0.11**	<0.07	<0.07	<0.07
	B-Sand	01/29/08	Primary	<0.07	<0.07	<0.1	<0.1	<0.07		<0.07	<0.07	<0.07 M
	B-Sand	12/02/08	Primary	**0.52 M**	<0.07 M	**0.33 M**	<0.1 M	<0.07 M	**0.25 M**	<0.07 M	<0.07 M	<0.07 M
WCC_12S	B-Sand	05/09/07	Primary	**0.142**	<0.1	NR	NR	NR	<0.1	NR	**0.014 J**	NR
	B-Sand	06/18/07	Primary	<0.07	<0.07	<0.1	<0.1	<0.07	**0.18**	<0.07	<0.07	**0.12**
	B-Sand	03/25/08	Primary	**0.1 M**	<0.07 M	<0.1 M	<0.1	<0.07 M	<0.1 M	<0.07	<0.07 M	**0.11 M**
	B-Sand	06/17/08	Primary	**0.09 M**	<0.07 M	<0.1 M	<0.1	<0.07 M	**0.31 M**	<0.07	<0.07 M	<0.07 M
	B-Sand	09/24/08	Primary	**0.11 M**	<0.07 M	<0.1 M	<0.1	<0.07 M	**0.34 M**	<0.07 M	<0.07 M	**0.13 M**
	B-Sand	12/03/08	Primary	**1.1 M**	<0.07 M	<0.1 M	<0.1 M	<0.07 M	**0.27 M**	<0.07 M	<0.07 M	<0.07 M

AVOCET ENVIRONMENTAL, INC.

Table 7
Summary of Volatile Fatty Acids Analytical Results
(Units are mg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid	Pentanoic Acid	Propionic Acid	Pyruvic Acid
Former Building 2 Area												
CMW002	C-Sand	03/26/08	Primary	**0.05 J,M**	<0.07	<0.1	<0.1	<0.07	<0.1	<0.07	<0.07	<0.07
	C-Sand	09/23/08	Primary	**0.12**	<0.07	<0.1	<0.1	<0.07	**0.21**	<0.07	<0.07	<0.07
	C-Sand	12/03/08	Primary	**0.15 M**	<0.07 M	<0.1 M	<0.1	<0.07 M	**0.2 M**	<0.07 M	<0.07 M	<0.07 M
CMW026	C-Sand	03/26/08	Primary	**0.06 J,M**	<0.07	<0.1	<0.1	<0.07	<0.1	<0.07	<0.07	<0.07
	C-Sand	08/05/08	Primary	**220**	<0.7	**2.8 M**	**2.4 M**	**0.93**	**14**	**7.9 M**	**790**	**5.3**
	C-Sand	09/23/08	Primary	**21**	**0.45**	<0.1	<0.1	**0.3**	<1	**0.25**	**58**	**1.2**
	C-Sand	12/03/08	Primary	**0.31 M**	<0.07 M	<0.1 M	<0.1	<0.07 M	**0.19 M**	<0.07 M	<0.07 M	<0.07 M
IRZCMW001	C-Sand	03/26/08	Primary	<0.07 M	<0.07	<0.1	<0.1	<0.07	<0.1	<0.07	<0.07	<0.07
	C-Sand	09/23/08	Primary	**0.17**	<0.07	**0.6**	<0.1	<0.07	**0.45**	<0.07	**0.08**	**0.31**
	C-Sand	12/03/08	Primary	**0.41 M**	<0.07 M	**0.26 M**	<0.1	<0.07 M	**0.42 M**	<0.07 M	<0.07 M	**0.21 M**
IRZCMW002	C-Sand	03/26/08	Primary	**0.14 M**	<0.07	<0.1	<0.1	<0.07	<0.1	<0.07	<0.07	<0.07
	C-Sand	08/05/08	Primary	**0.06 J**	<0.07	**0.35**	<0.1	<0.07	**0.34**	<0.07	<0.07	<0.07
	C-Sand	09/23/08	Primary	**0.1**	<0.07	<0.1	<0.1	<0.07	**0.16**	<0.07	<0.07	<0.07
	C-Sand	12/03/08	Primary	**2.9 M**	<0.07 M	<0.1 M	<0.1	<0.07 M	**0.53 M**	<0.07 M	**0.37 M**	**0.33 M**
IRZCMW003	C-Sand	03/26/08	Primary	<0.07 M	<0.07	<0.1	<0.1	<0.07	<0.1	<0.07	<0.07	<0.07
	C-Sand	08/05/08	Primary	<0.07	<0.07	<0.1	<0.1	<0.07	**0.13**	<0.07	<0.07	<0.07
	C-Sand	09/23/08	Primary	**0.09**	<0.07	<0.1	<0.1	<0.07	**0.28**	<0.07	<0.07	<0.07
	C-Sand	12/03/08	Primary	**0.3 M**	<0.07 M	<0.1 M	<0.1	<0.07 M	**0.2 M**	<0.07 M	<0.07 M	<0.07 M
MWC024	C-Sand	03/26/08	Primary	<0.07 M	<0.07	<0.1	<0.1	<0.07	<0.1	<0.07	<0.07	<0.07
	C-Sand	08/05/08	Primary	**0.05 J**	<0.07	<0.1	<0.1	<0.07	**0.18**	<0.07	<0.07	<0.07
	C-Sand	09/23/08	Primary	**0.18**	<0.07	**1.6**	<0.1	<0.07	**0.64**	<0.07	<0.07	<0.07
	C-Sand	12/03/08	Primary	**0.4 M**	<0.07 M	<0.1 M	<0.1	<0.07 M	**0.24 M**	<0.07 M	<0.07 M	<0.07 M

Notes:
Bold indicates detected concentration
M = recovery/RPD poor for MS/MSD, SAMP/DUP
< = not detected at a concentration greater than the laboratory reporting limit indicated
J = Estimated concentration detected below the laboratory reporting limit
NR = not reported. The samples from both the May and June 2007 events were analyzed for the VFAs by Ion Chromatography. However, the analysis for the first round samples, analyzed by Applied Sciences, report only the four main VFAs. Subsequent rounds of VFA analyses were performed by Microseeps, which reports additional 5- and 6-carbon acids that are used for sites using vegetable substrates and organic substrates other than lactic acid.

AVOCET ENVIRONMENTAL, INC.

Table 8
Summary of Inorganic Analytical Results
(Units are mg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Alkalinity	Chloride	Nitrate-NO3	Nitrite-NO2	Sulfate	Total Dissolved Solids
Former Building 1/36 Area									
AW0055UB	B-Sand	05/10/07	Primary	650	580	<0.5	<10 RL1	1.8 B	- -
	B-Sand	06/20/07	Primary	560	670	<2.5 RL1	<2.5 RL1	2.5 B,RL1,J	- -
	B-Sand	03/25/08	Primary	570	670	<0.5	<0.5	28	1,900
	B-Sand	06/18/08	Primary	610	660	<0.5	<0.5	28	2,300
	B-Sand	09/24/08	Primary	610	650	<0.5	<25 RL1	13	- -
	B-Sand	12/02/08	Primary	600	650	<0.5	<10 RL1	22	- -
AW0064UB	B-Sand	09/24/08	Primary	750	520 MHA	<0.5	<0.5	0.52	- -
	B-Sand	12/02/08	Primary	910	640	<0.5	<10 RL1	0.55	- -
AW0065UB	B-Sand	05/10/07	Primary	480	720	<0.5	<10 RL1	<0.5	- -
	B-Sand	05/10/07	Duplicate	460	730	<0.5	<10 RL1	<0.5	- -
	B-Sand	06/21/07	Primary	650	760	<0.5	<0.5	4.1	- -
	B-Sand	09/24/08	Primary	700	350	<0.5	<25 RL1	1.7	- -
	B-Sand	12/02/08	Primary	760	690	<0.5	<10 RL1	0.58	- -
AW0066UB	B-Sand	05/10/07	Primary	500	820	<0.5	<10 RL1	<0.5	- -
	B-Sand	06/20/07	Primary	560	890	<2.5 RL1	<2.5 RL1	<2.5 RL1	- -
	B-Sand	03/25/08	Primary	1,600	600	<2.5 RL1	<2.5 RL1	37	- -
	B-Sand	06/17/08	Primary	<2	620	1.1	<10 RL1	31	- -
	B-Sand	09/24/08	Primary	1,800	520	<2.5 RL1	<25 RL1	36	- -
	B-Sand	12/02/08	Primary	2,800	570	<5 RL1	<50 RL1	29	- -
AW0067UB	B-Sand	05/10/07	Primary	270	290	4.4	<10 RL1	28	- -
	B-Sand	06/19/07	Primary	370	420	1.3	<0.5	40	- -
	B-Sand	03/25/08	Primary	1,400	500	<2.5 RL1	<2.5 RL1	29	- -
	B-Sand	06/17/08	Primary	<2	530	<20 C,RL1	<10 RL1	21	- -
	B-Sand	09/24/08	Primary	1,300	600	<5 RL1	<25 RL1	41	- -
	B-Sand	12/02/08	Primary	2,200	520	<2.5 RL1	<50 RL1	8.6	- -
AW0073C	C-Sand	05/10/07	Primary	210	180	<0.5	<10 RL1	24	- -
	C-Sand	06/20/07	Primary	270	210 MHA	<0.5 M2, R	<0.5 M1	7.4	- -
	C-Sand	01/29/08	Primary	240	130	0.32 J	<0.5	9.1	500
	C-Sand	02/26/08	Primary	230	140 M-3	0.39 J	<0.5 M1	9.5	- -
	C-Sand	03/25/08	Primary	250	130	<0.5	<0.5	7.4	- -
	C-Sand	04/22/08	Primary	240	130	<0.5	<0.5	12	- -
	C-Sand	05/20/08	Primary	220	110	<0.5	<0.5	6.8	- -
	C-Sand	06/17/08	Primary	200	130	0.68	<0.5 C	17	- -
	C-Sand	09/24/08	Primary	200	100	<0.5	<0.5	18	- -
	C-Sand	12/03/08	Primary	220	110	<0.5	<0.5	16	- -
AW0074UB	B-Sand	05/09/07	Primary	270	340	<0.5	<10 RL1	21	- -
	B-Sand	06/19/07	Primary	270	350	<0.5	<0.5	23	- -
	B-Sand	01/29/08	Primary	250	380	1.4	<0.5	19	970
	B-Sand	12/02/08	Primary	620	510	1.2	<2.5 RL1	5.4	- -
AW0075UB	B-Sand	05/09/07	Primary	460	520	<0.5	<10 RL1	11	- -
	B-Sand	06/21/07	Primary	510	540	<0.5	<0.5	10	- -
	B-Sand	01/30/08	Primary	450	510	<1 RL1	1.4	4	1,700
	B-Sand	02/26/08	Primary	510	530	<1 RL1	<1 RL1	2.4	- -
	B-Sand	03/25/08	Primary	480	560	<0.5	<0.5	3.3	- -
	B-Sand	04/22/08	Primary	730	590	<0.5	<25 RL1	1.1	- -
	B-Sand	05/20/08	Primary	750	550	<0.5	<10 RL1	<0.5	- -
	B-Sand	06/18/08	Primary	900	620	<0.5	<20 RL1	<0.5	- -
	B-Sand	09/24/08	Primary	790	540 MHA	<0.5	<25 RL1	1.1	- -
	B-Sand	12/03/08	Primary	820	470	<0.5	<25 RL1	1.1	- -
AW0076UB	B-Sand	05/09/07	Primary	620	760	<0.5	<10 RL1	<0.5	- -
	B-Sand	06/21/07	Primary	760	810	<0.5	<0.5	<0.5	- -
	B-Sand	01/30/08	Primary	710	820	<1 RL1	3.2	<1 RL1	2,700
	B-Sand	02/26/08	Primary	700	650	<2.5 RL1	<2.5 RL1	<2.5 RL1	- -
	B-Sand	03/25/08	Primary	800	640	<1 RL1	<1 RL1	0.52 RL1, J	- -
	B-Sand	04/22/08	Primary	800	610	<0.5	<25 RL1	0.91	- -
	B-Sand	05/20/08	Primary	820	690	<0.5	<10 RL1	0.41 J	- -
	B-Sand	06/18/08	Primary	1,000	670	<0.5	<20 RL1	<0.5	- -
	B-Sand	09/24/08	Primary	1,100	580	<0.5	<25 RL1	0.52	- -
	B-Sand	12/03/08	Primary	1,100	520	<0.5	<25 RL1	<0.5	- -
AW0077UB	B-Sand	05/10/07	Primary	650	640	<2.5 RL1	<2.5 RL1	2.7	- -
	B-Sand	06/20/07	Primary	870	610	<2.5 RL1	<2.5 RL1	<2.5 RL1	- -
	B-Sand	01/30/08	Primary	610	500	<1 RL1	<1 RL1	3.2	1,700
	B-Sand	02/26/08	Primary	610	480	<1 RL1	<1 RL1	0.8 RL1, J	- -
	B-Sand	03/25/08	Primary	620	500	<0.5	<0.5	<0.5	- -
	B-Sand	04/22/08	Primary	700	520	<0.5	<50 RL1	0.96	- -
	B-Sand	05/20/08	Primary	740	540	<0.5	<10 RL1	0.66	- -
	B-Sand	06/18/08	Primary	900	530	<0.5	<10 RL1	<0.5	- -
	B-Sand	09/24/08	Primary	1,200	490	<0.5	<25 RL1	<0.5	- -
	B-Sand	12/03/08	Primary	1,200	450	<0.5	<25 RL1	<0.5	- -

AVOCET ENVIRONMENTAL, INC.

Table 8
Summary of Inorganic Analytical Results
(Units are mg/l)
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Alkalinity	Chloride	Nitrate-NO3	Nitrite-NO2	Sulfate	Total Dissolved Solids
EWB001	B-Sand	05/08/07	Primary	**210**	**370**	**7.8**	<10 RL1	**21**	- -
	B-Sand	06/18/07	Primary	**190**	**420**	**1.2**	<0.5	**27**	- -
EWB002	B-Sand	06/21/07	Primary	**450**	**530**	**3.4**	<0.5	**18**	- -
	B-Sand	06/21/07	Duplicate	**460**	**530**	**3.4**	<0.5	**18**	- -
	B-Sand	12/12/07	Primary	**550**	**650**	<0.5	**1.4**	**0.35** J	- -
	B-Sand	01/29/08	Primary	**550**	**490**	<1 RL1	<1 RL1	**0.48** RL1, J	**1,700**
	B-Sand	02/26/08	Primary	**540**	**500**	<1 RL1	<1 RL1	<1 RL1	- -
	B-Sand	03/25/08	Primary	**600**	**490**	<0.5	<0.5	**0.58**	- -
	B-Sand	04/22/08	Primary	**860**	**480**	<0.5	<25 RL1	**1.5**	- -
	B-Sand	05/20/08	Primary	**840**	**520**	<0.5	<10 RL1	**0.61**	- -
	B-Sand	06/18/08	Primary	**940**	**520**	<0.5	<20 RL1	**0.61**	- -
	B-Sand	09/24/08	Primary	**920**	**490**	<0.5	<25 RL1	**0.37** J	- -
	B-Sand	12/03/08	Primary	**730**	**460**	<0.5	<25 RL1	**1.2**	- -
MWB006	B-Sand	08/07/08	Primary	**740**	**2,200**	<10 RL1	<50 RL1	<0.5	**5,900**
	B-Sand	09/24/08	Primary	**780**	**2,100**	<0.5	<25 RL1	<0.5	**6,300**
	B-Sand	12/02/08	Primary	**710**	**1,900**	<1 RL1	<50 RL1	<1 RL1	**6,500**
TMW_07	B-Sand	05/08/07	Primary	**310**	**230**	**34**	<10 RL1	**81**	- -
	B-Sand	06/18/07	Primary	**330**	**250**	**40**	<0.5	**110**	- -
	B-Sand	03/25/08	Primary	**350**	**240** MHA	**42**	<0.5	**100**	**950**
	B-Sand	06/17/08	Primary	**350**	**240**	**47**	<0.5 C	**120**	**930**
	B-Sand	09/24/08	Primary	**330**	**220**	**44**	<0.5	**110**	**1,000**
	B-Sand	12/02/08	Primary	**340**	**210** MHA	**44**	<0.5	**120**	**960**
WCC_06S	B-Sand	05/08/07	Primary	**340**	**590**	**9.7**	<10 RL1	**21**	- -
	B-Sand	06/19/07	Primary	**140**	**920**	**7.1**	<0.5	**43**	- -
	B-Sand	01/29/08	Primary	**40**	**8.3**	**0.59**	<0.5	**4.4**	**130**
	B-Sand	12/02/08	Primary	**170**	**1,100**	**41**	<10 RL1	**38**	- -
WCC_12S	B-Sand	05/09/07	Primary	**180**	**180**	**22**	<10 RL1	**480**	- -
	B-Sand	06/18/07	Primary	**180**	**380**	**28**	<0.5	**440**	- -
	B-Sand	09/21/07	Primary	**170**	**340**	**22**	<0.5	**310**	- -
	B-Sand	03/25/08	Primary	**180**	**220**	**19**	<0.5	**410**	**1,200**
	B-Sand	06/17/08	Primary	**190**	**250**	**20**	<0.5 C	**440**	**1,200**
	B-Sand	09/24/08	Primary	**190**	**220**	**18**	<0.5	**420**	**1,200**
	B-Sand	12/03/08	Primary	**190**	**200**	**17**	<0.5	**380**	**1,200**
Former Building 2 Area									
CMW002	C-Sand	03/26/08	Primary	**190**	**110**	<0.5	<0.5	**90**	**610**
	C-Sand	09/23/08	Primary	**190**	**130**	<0.5	<0.5	**110**	**640**
	C-Sand	12/03/08	Primary	**190**	**130**	<0.5	<0.5	**100**	**650**
CMW026	C-Sand	03/26/08	Primary	**280**	**160**	<0.5	<0.5	**20**	- -
	C-Sand	08/05/08	Primary	**1,400**	**200**	<1 RL1	<10 RL1	<1 RL1	- -
	C-Sand	09/23/08	Primary	**1,200**	**200**	<0.5	<0.5	<0.5	- -
	C-Sand	12/03/08	Primary	**1,000**	**490**	<0.5	<0.5	**1.6**	- -
IRZCMW001	C-Sand	03/26/08	Primary	**180**	**210**	**11**	<0.5	**38**	**740**
	C-Sand	09/23/08	Primary	**210**	**260**	**12**	**0.42** J	**47**	**870**
	C-Sand	12/03/08	Primary	**220**	**220**	**12**	<0.5	**47**	**810**
IRZCMW002	C-Sand	03/26/08	Primary	**780**	**190**	<0.5	<0.5	**2.3**	- -
	C-Sand	08/05/08	Primary	**740**	**200**	<0.5	<10 RL1	**11**	- -
	C-Sand	09/23/08	Primary	**650**	**190**	<0.5	<0.5	**14**	- -
	C-Sand	12/03/08	Primary	**680**	**180**	<0.5	<0.5	**16**	- -
IRZCMW003	C-Sand	03/26/08	Primary	**190**	**110**	**4.3**	<0.5	**89**	- -
	C-Sand	08/05/08	Primary	**180**	**110**	**7.5**	<10 RL1	**130**	- -
	C-Sand	09/23/08	Primary	**190**	**110**	**8.8**	<0.5	**130**	- -
	C-Sand	12/03/08	Primary	**190**	**100**	**7.7**	<0.5	**120**	- -
MWC024	C-Sand	03/26/08	Primary	**210**	**300**	**23**	**1.4**	**36**	- -
	C-Sand	08/05/08	Primary	**190**	**360**	**30**	<10 RL1	**41**	- -
	C-Sand	09/23/08	Primary	**200**	**300**	**25**	**2.2**	**38**	- -
	C-Sand	12/03/08	Primary	**190**	**250**	**21**	<0.5	**35**	- -

Notes:
Bold indicates detected concentration
< = Not detected at a concentration greater than the laboratory reporting limit (RL) indicated
- - = not analyzed
B = analyte was detected in the associated Method Blank
J = estimated value; result below RL and above or equal to MDL (method detection limit)
M1 = the MS and/or MSD were above the acceptance limits due to sample matrix interference
M-3 = results exceeded the linear range in the MS/MSD and, therefore, are not available for reporting
MHA = due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information
RL1 = reporting limit raised due to sample matrix effects
C = Calibration Verification recovery was above the method control limit for analyte; analyte not detected, data not impacted

AVOCET ENVIRONMENTAL, INC.

Table 9
Summary of Dehalococcoides Bacteria and Functional Gene Analytical Results
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Dehalococcoides 16S rDNA	Dehalococcoides tceA	Dehalococcoides bvcA	Dehalococcoides vcrA
AW0055UB	B-Sand	05/10/07	Primary	ND	ND	ND	ND
	B-Sand	06/20/07	Primary	ND	ND	8.6E+02 ± 6.76E+02 J	ND
	B-Sand	06/18/08	Primary	2.31E+08 ± 1.14E+07	2.21E+08 ± 2.02E+07	3.41E+06 ± 4.00E+05	ND
	B-Sand	12/02/08	Primary	4.11E+08 ± 3.78E+07	9.52E+08 ± 4.40E+07	2.1E+06 ± 3.52E+05	1.6E+05 ± 2.70E+04
AW0064UB	B-Sand	05/09/07	Primary	ND	ND	ND	ND
	B-Sand	06/20/07	Primary	ND	ND	ND	ND
	B-Sand	12/02/08	Primary	6.89E+08 ± 2.84E+07	1.36E+09 ± 1.43E+07	2.0E+07 ± 2.42E+06	6.0E+08 ± 2.00E+07
AW0065UB	B-Sand	05/10/07	Primary	ND	ND	ND	ND
	B-Sand	05/10/07	Duplicate	ND	ND	ND	ND
	B-Sand	06/21/07	Primary	ND	ND	ND	ND
	B-Sand	12/02/08	Primary	7.45E+09 ± 3.24E+08	1.91E+09 ± 1.10E+09	2.7E+07 ± 2.83E+06	1.2E+10 ± 2.30E+09
AW0066UB	B-Sand	05/10/07	Primary	ND	ND	1.8E+05 ± 3.69E+04	ND
	B-Sand	06/20/07	Primary	ND	ND	ND	ND
	B-Sand	06/17/08	Primary	9.71E+06 ± 1.42E+06	2.25E+06 ± 2.64E+05	1.37E+06 ± 3.03E+04	ND
	B-Sand	12/02/08	Primary	7.78E+06 ± 2.77E+05	1.82E+07 ± 9.19E+05	ND	ND
AW0067UB	B-Sand	05/10/07	Primary	ND	ND	ND	ND
	B-Sand	06/19/07	Primary	ND	ND	ND	ND
	B-Sand	06/17/08	Primary	1.35E+07 ± 1.93E+06	1.32E+06 ± 2.43E+05	1.60E+06 ± 1.05E+05	ND
	B-Sand	12/02/08	Primary	1.22E+06 ± 1.52E+05	2.78E+06 ± 2.17E+05	ND	ND
AW0073C	C-Sand	05/10/07	Primary	ND	ND	ND	ND
	C-Sand	06/20/07	Primary	ND	ND	ND	ND
	C-Sand	01/29/08	Primary	5.58E+07 ± 1.11E+07	ND	5.2E+07 ± 2.92E+06	ND
	C-Sand	03/25/08	Primary	1.26E+08 ± 1.86E+07	2.83E+04 ± 1.24E+04 J	1.69E+07 ± 1.69E+06	ND
	C-Sand	05/20/08	Primary	2.52E+08 ± 1.52E+07	7.65E+07 ± 1.63E+06	3.2E+07 ± 5.76E+06	ND
	C-Sand	06/17/08	Primary	3.01E+08 ± 4.53E+07	6.46E+07 ± 3.42E+06	4.98E+07 ± 6.08E+04	ND
	C-Sand	12/03/08	Primary	9.34E+07 ± 7.81E+06	2.85E+07 ± 1.93E+06	9.5E+06 ± 1.88E+06	8.9E+07 ± 1.61E+07
AW0074UB	B-Sand	05/09/07	Primary	ND	ND	ND	2.4E+02 ± 1.64E+02 J
	B-Sand	06/19/07	Primary	3.56E+03 ± 4.61E+03 J	ND	2.50E+02 ± 9.40E+01 J	ND
	B-Sand	01/29/08	Primary	9.46E+02 ± 4.53E+02 J	ND	1.7E+03 ± 4.31E+02 J	ND
	B-Sand	12/02/08	Primary	4.80E+09 ± 1.47E+08	8.27E+09 ± 4.58E+08	2.4E+08 ± 2.15E+07	2.2E+09 ± 1.43E+08
AW0075UB	B-Sand	05/09/07	Primary	ND	ND	ND	5.6E+02 ± 2.47E+02 J
	B-Sand	06/21/07	Primary	ND	ND	ND	ND
	B-Sand	01/30/08	Primary	1.11E+08 ± 8.41E+07	ND	1.2E+08 ± 4.10E+06	ND
	B-Sand	03/25/08	Primary	2.95E+08 ± 1.94E+07	3.37E+06 ± 6.45E+05	4.23E+07 ± 1.42E+06	ND
	B-Sand	05/20/08	Primary	6.33E+08 ± 9.42E+06	2.5872E+08 ± 2.01E+07	8.0E+07 ± 8.32E+06	ND
	B-Sand	06/18/08	Primary	1.47E+09 ± 1.97E+08	8.86E+08 ± 7.39E+07	2.14E+08 ± 3.11E+07	ND
	B-Sand	12/03/08	Primary	5.66E+08 ± 7.15E+07	6.73E+08 ± 4.44E+07	3.5E+07 ± 4.84E+06	8.5E+08 ± 1.13E+08
AW0076UB	B-Sand	05/09/07	Primary	ND	ND	ND	ND
	B-Sand	06/21/07	Primary	ND	ND	2.7E+02 ± 1.53E+02 J	ND
	B-Sand	01/30/08	Primary	4.31E+08 ± 1.20E+07	ND	4.4E+08 ± 8.08E+07	ND
	B-Sand	03/25/08	Primary	4.30E+08 ± 2.77E+07	3.46E+07 ± 3.58E+06	8.45E+07 ± 1.21E+07	ND
	B-Sand	05/20/08	Primary	2.61E+08 ± 1.10E+07	7.6572E+07 ± 2.92E+06	3.4E+07 ± 5.16E+06	ND
	B-Sand	06/18/08	Primary	6.65E+08 ± 4.61E+07	4.87E+08 ± 3.59E+07	3.41E+07 ± 5.33E+06	ND
	B-Sand	12/03/08	Primary	1.30E+09 ± 9.66E+07	4.18E+08 ± 8.45E+06	6.2E+06 ± 3.55E+05	4.0E+09 ± 2.66E+08
AW0077UB	B-Sand	05/10/07	Primary	ND	ND	ND	3.9E+02 ± 1.76E+02 J
	B-Sand	06/20/07	Primary	ND	ND	ND	ND
	B-Sand	01/30/08	Primary	8.22E+08 ± 1.65E+08	ND	7.2E+09 ± 7.25E+08	ND
	B-Sand	03/25/08	Primary	1.74E+09 ± 2.94E+08	7.25E+03 ± 6.24E+03 J	1.83E+08 ± 2.93E+07	ND
	B-Sand	05/20/08	Primary	2.73E+09 ± 1.81E+08	3.9096E+08 ± 3.88E+07	4.7E+08 ± 7.21E+07	ND
	B-Sand	06/18/08	Primary	1.96E+09 ± 1.31E+08	5.59E+08 ± 7.11E+07	2.26E+08 ± 3.82E+07	ND
	B-Sand	12/03/08	Primary	7.87E+08 ± 4.68E+07	1.91E+07 ± 1.41E+06	1.1E+08 ± 1.55E+07	9.0E+08 ± 8.77E+07
EWB001	B-Sand	05/09/07	Primary	6.05E+01 ± 4.36E+01 J	ND	ND	ND
	B-Sand	06/19/07	Primary	ND	ND	3.10E+04 ± 1.46E+04 J	ND
EWB002	B-Sand	06/21/07	Primary	ND	ND	1.2E+03 ± 8.04E+02 J	ND
	B-Sand	06/21/07	Duplicate	ND	ND	ND	ND
	B-Sand	01/29/08	Primary	4.14E+09 ± 2.43E+08	5.14E+09 ± 6.85E+08	2.5E+08 ± 1.51E+07	ND
	B-Sand	03/25/08	Primary	1.13E+09 ± 1.58E+08	1.18E+09 ± 1.47E+08	4.70E+06 ± 1.36E+05	ND
	B-Sand	05/20/08	Primary	2.77E+08 ± 4.65E+07	1.6010E+08 ± 8.96E+06	1.5E+07 ± 1.91E+06	ND
	B-Sand	06/18/08	Primary	7.71E+08 ± 8.47E+07	6.58E+08 ± 3.01E+07	1.54E+07 ± 2.05E+06	1.51E+06 ± 2.45E+05
	B-Sand	12/03/08	Primary	1.44E+08 ± 2.35E+07	1.63E+08 ± 6.03E+06	2.9E+04* ± 2.29E+04	1.7E+08 ± 6.78E+06
EWC001	B-Sand	06/19/07	Primary	ND	ND	7.00E+03 ± 7.53E+03 J	ND
MWB006	B-Sand	12/02/08	Primary	1.60E+09 ± 8.26E+07	3.49E+09 ± 6.77E+08	ND	ND
TMW_07	B-Sand	05/09/07	Primary	ND	ND	ND	ND
	B-Sand	06/19/07	Primary	ND	ND	ND	ND
	B-Sand	06/17/08	Primary	ND	ND	6.46E+01 ± 4.14E+01	ND
	B-Sand	12/02/08	Primary	ND	ND	ND	ND

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Table 9
Summary of Dehalococcoides Bacteria and Functional Gene Analytical Results
Boeing Former C-6 Facility
Los Angeles, California

Well I.D.	Category	Sample Date	Sample Type	Dehalococcoides 16S rDNA	Dehalococcoides tceA	Dehalococcoides bvcA	Dehalococcoides vcrA
WCC_06S	B-Sand	05/09/07	Primary	ND	ND	ND	ND
	B-Sand	06/19/07	Primary	**6.48E+06 ± 1.84E+06**	ND	**1.1E+06 ± 8.52E+04**	ND
	B-Sand	01/29/08	Primary	**9.27E+04 ± 1.67E+04**	ND	**5.6E+04 ± 4.84E+03**	ND
	B-Sand	12/02/08	Primary	**6.49E+05 ± 8.16E+03**	**1.82E+06 ± 2.72E+05**	ND	ND
WCC_12S	B-Sand	05/09/07	Primary	ND	ND	ND	ND
	B-Sand	06/19/07	Primary	**7.78E+03 ± 4.86E+03 J**	ND	**1.10E+03 ± 5.76E+02 J**	ND
	B-Sand	09/21/07	Primary	**1.90E+04 ± 1.37E+03**	ND	**1.8E+04 ± 2.95E+03**	ND
	B-Sand	06/17/08	Primary	ND	ND	ND	ND
	B-Sand	12/03/08	Primary	ND	ND	ND	ND
Former Building 2 Area							
CMW002	C-Sand	3/26/2008	Primary	**3.47E+04 ± 6.52E+03**	**1.76E+04 ± 1.94E+03**	ND	ND
	C-Sand	12/3/2008	Primary	**3.99E+05 ± 9.63E+03**	**8.91E+05 ± 5.78E+04**	ND	ND
CMW026	C-Sand	3/26/2008	Primary	**2.06E+07 ± 1.92E+06**	**2.83E+06 ± 7.10E+05**	ND	ND
	C-Sand	12/3/2008	Primary	**1.23E+08 ± 9.52E+06**	**2.49E+08 ± 1.22E+07**	ND	ND
IRZCMW001	C-Sand	3/26/2008	Primary	**4.52E+05 ± 8.46E+04**	**5.62E+02 ± 6.92E+02 J**	ND	ND
	C-Sand	12/3/2008	Primary	**1.69E+05 ± 3.06E+04**	**3.68E+05 ± 2.99E+04**	ND	ND
IRZCMW002	C-Sand	3/26/2008	Primary	**2.09E+07 ± 2.07E+06**	**2.06E+07 ± 1.80E+06**	ND	ND
	C-Sand	12/3/2008	Primary	**1.97E+06 ± 1.27E+05**	**3.39E+06 ± 8.22E+04**	ND	ND
IRZCMW003	C-Sand	3/26/2008	Primary	**2.88E+06 ± 9.81E+04**	**2.64E+06 ± 4.91E+05**	ND	ND
	C-Sand	12/3/2008	Primary	**3.00E+05 ± 1.40E+04**	**7.24E+05 ± 3.43E+04**	ND	ND
MWC024	C-Sand	3/26/2008	Primary	**2.95E+03 ± 3.15E+02 J**	**4.16E+02 ± 4.47E+02 J**	ND	ND
	C-Sand	12/3/2008	Primary	ND	ND	ND	ND

Notes:
All results are reported in gene copies/liter groundwater
ND = not detected at a concentration greater than the laboratory reporting limit of 50 gene copies/microliter (µl) of DNA extraction
J = value presented is below the reporting limit (50 gene copies/µl of DNA extraction).

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Table 10
Amendment Injection Summary - Former Building 1/36 Area
Third and Fourth Quarters 2008
Boeing Former C-6 Facility
Los Angeles, California

Date	Total Amendment Quantity (Injections performed only in Wells AW0066UB and AW0067UB) (1)		
	Electron Donor (Whey) - (dry quantity - lb)	**Electron Donor Solution** (gallons)	**Bioaugmentation Culture** (liters)
07/02/08	174	762	0
07/03/08	348	1,401	0
07/09/08	232	928	0
07/10/08	319	1,277	0
07/11/08	116	472	0
07/15/08	160	623	0
07/17/08	319	1,274	0
07/18/08	290	1,160	0
07/22/08	87	317	0
07/24/08	10	40	0
07/29/08	58	213	0
07/30/08	29	109	0
07/31/08	15	45	0
Totals	**2,157**	**8,621**	**0**

Notes:
lb = pounds
bgs = below ground surface
(1) Well AW0066UB is screened from 69.5 feet bgs to 89.5 feet bgs, while well AW0067UB is screened from 70 feet bgs to 90 feet bgs.

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Table 11
Amendment Injection Summary - C-Sand Bioremedation Slug Injections
Third and Fourths Quarters 2008

Boeing Former C-6 Facility, Former Building 2, Vault 4
Los Angeles, California

Amendment Well ID	Total Amendment Quantities			
	Electron Donor (60% Sodium Lactate) (lbs)	Electron Donor (3% Lactate Solution) (gallons)	Anoxic Water (gallons)	Bioaugmentation Culture (liters)
IRZC0001	0	0	0	0
IRZC0003	0	0	0	0
IRZC0004	0	0	0	0
IRZC0005	0	0	0	0
IRZC0006	0	0	0	0
IRZC0007	0	0	0	0
IRZC0008	0	0	0	0
IRZC0009	0	0	0	0
IRZC0010	**7**	**10**	0	0
IRZC0011	0	0	0	0
IRZC0012	0	0	0	0
IRZC0013	**188**	**318**	**694**	0
IRZC0014	0	0	0	0
IRZC0015	**217**	**320**	**763**	0
IRZC0016	0	0	0	0
IRZC0017	0	0	0	0
IRZC0018	0	0	0	0
IRZC0019	0	0	0	0
IRZC0020	0	0	0	0
Totals	**412**	**648**	**1,457**	**0**

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Figures

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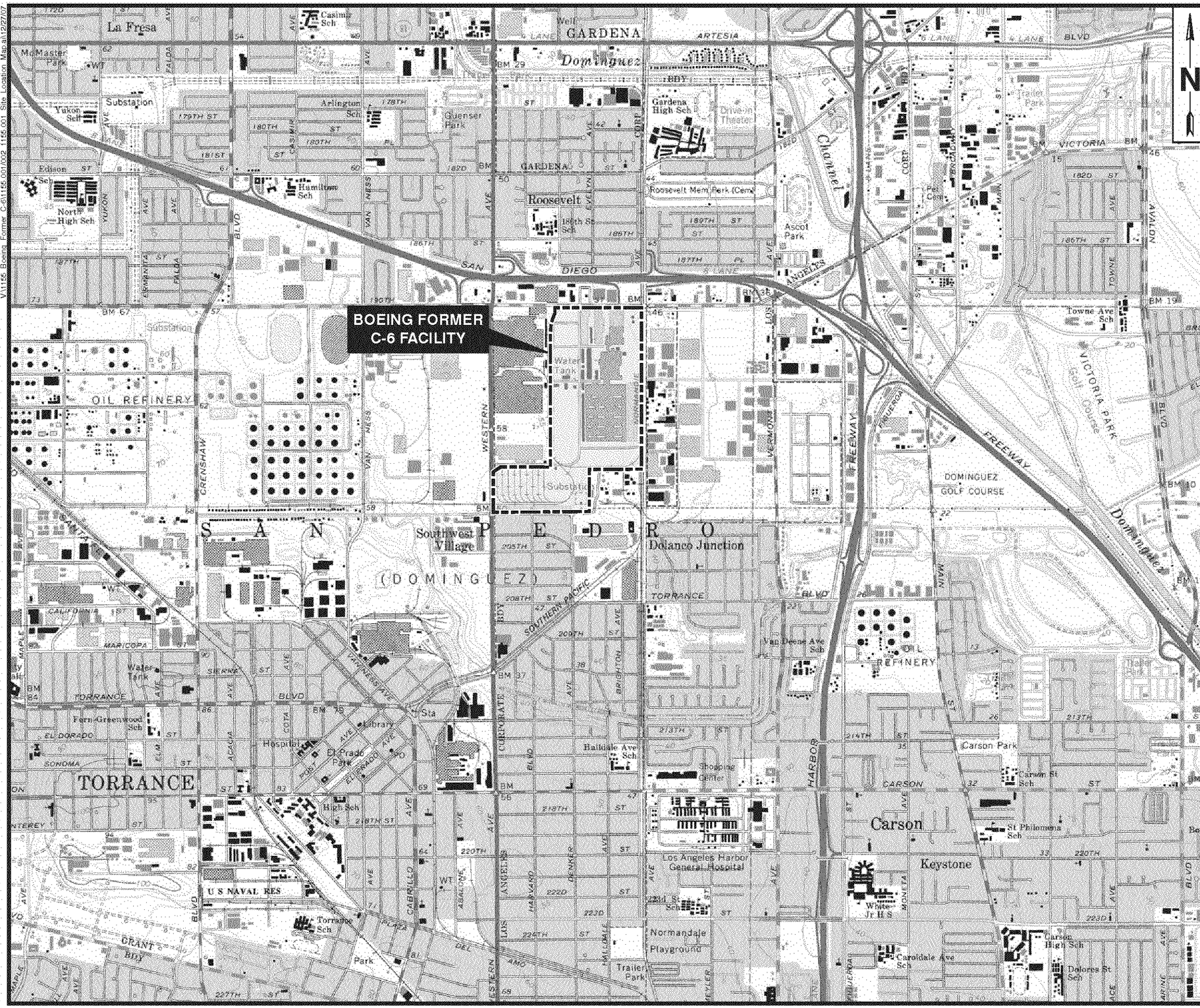
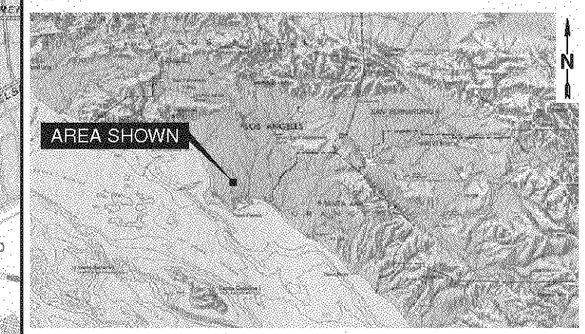
V11155_Boeing_Former_C-6\1155.001/002_1155.001_Site_Location_Map.ai\12/27/07





SITE VICINITY MAP

NOT TO SCALE

REFERENCE:
7.5 MINUTE U.S.G.S. TOPOGRAPHIC
MAP OF TORRANCE, CALIFORNIA
DATED: 1964
PHOTOREVISED: 1981

0 2000 4000 FEET
APPROXIMATE
SCALE

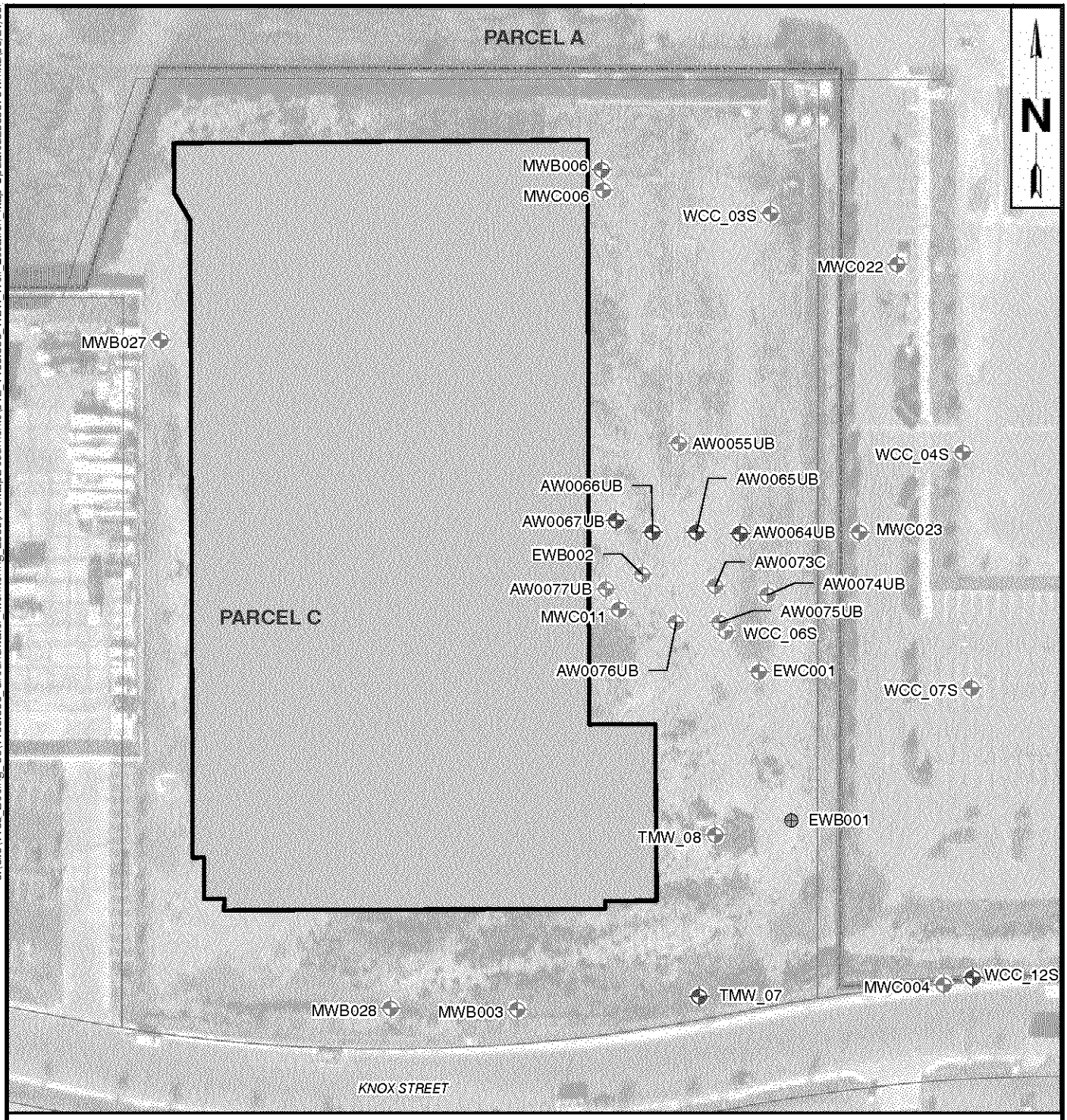
FIGURE 1

SITE LOCATION MAP

BOEING CORPORATE REAL ESTATE
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

AVOCET
ENVIRONMENTAL, INC.

S:\GIS\1155_Boeing_C6\1155.006_Groundwater_Monitoring_2008\ArcMapDocuments\012_1155.006_WDR_Well_Location_Map-Updated20080731.mxd\08/21/08



LEGEND

- Group A WDR Monitoring Well
- Group B WDR Monitoring Well
- Group C WDR Monitoring Well
- Group D WDR Monitoring Well
- Non-WDR Groundwater Monitoring Well
- Pilot Test Groundater Extraction Well
- 1451 Knox St.
- Parcel Boundary

0 100 200

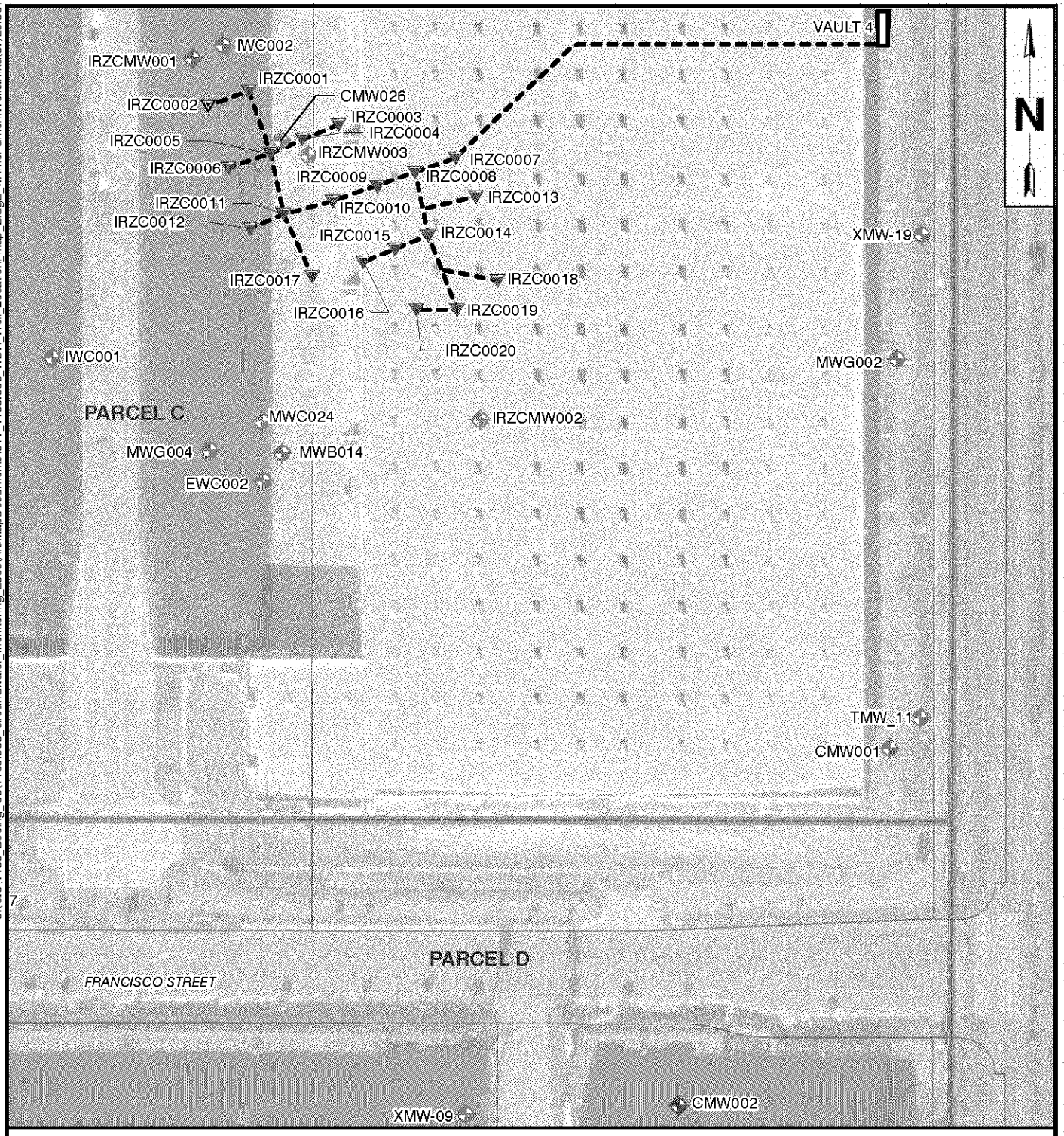
SCALE

FIGURE 2

WDR WELL LOCATION MAP
FORMER BUILDING 1/36 AREA

BOEING CORPORATE REAL ESTATE
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.



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LEGEND

- WDR Amendment Point
- Non-WDR Amendment Point
- Group B WDR Monitoring Well
- Group C WDR Monitoring Well
- Group D WDR Monitoring Well
- Non-WDR Groundwater Monitoring Well
- Amendment Well Piping System

0 100 200

SCALE

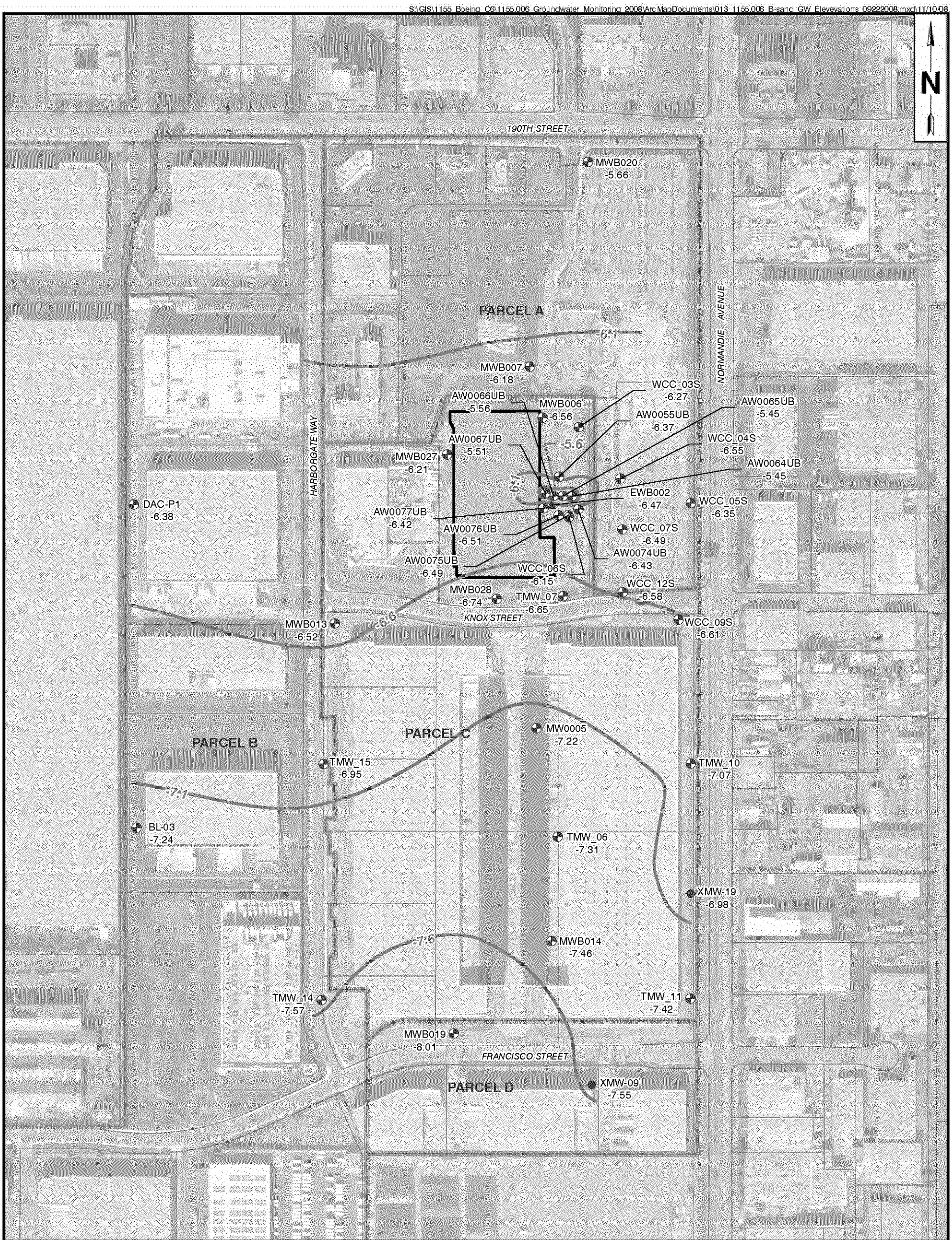
FIGURE 3

WDR WELL LOCATION MAP
FORMER BUILDING 2 AREA

BOEING CORPORATE REAL ESTATE
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

S:\GIS\1155 Boeing C6\1155.006 Groundwater Monitoring 2008\ArcMapDocuments\013 1155.006 B-sand GW Elevations 09222008.mxd\11/10/08



LEGEND

- B-Sand IRZ Bioremediation Monitoring Well
- B-Sand Montrose Monitoring Well
- B-Sand Monitoring Well
- B-Sand Observation Well
- -7.3 Approximate Water Level Elevation, Feet Mean Sea Level
- -7.1 Approximate Water Level Elevation Contour, Feet Mean Sea Level
- Parcel Boundary

0 300 600
SCALE

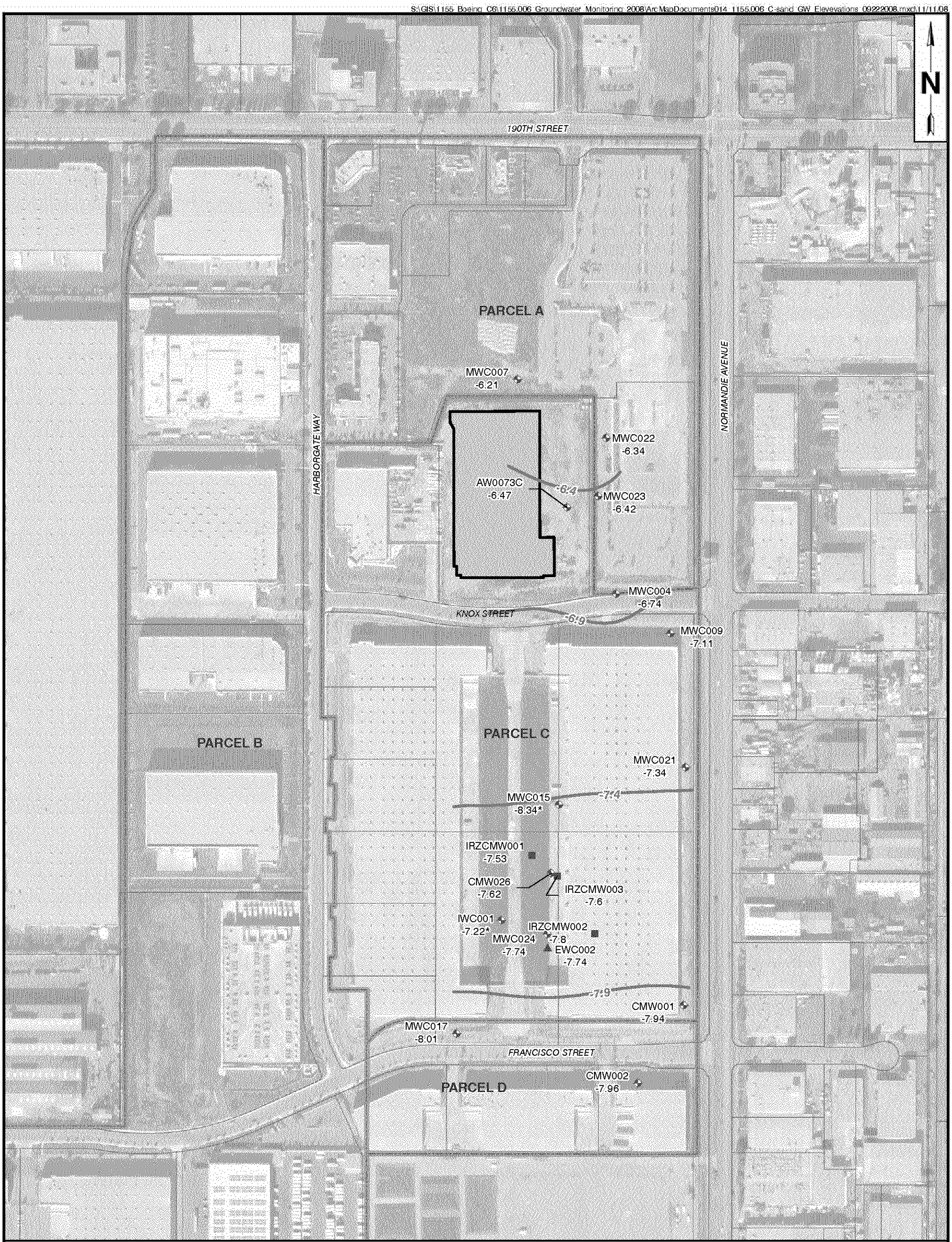
FIGURE 4

B-SAND
GROUNDWATER ELEVATIONS
SEPTEMBER 22, 2008

BOEING CORPORATE REAL ESTATE
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

S:\GIS\1155 Boeing C6\1155.006 Groundwater Monitoring 2008\ArcMapDocuments\014_1155.006_C-sand_GW_Elevations_09222008.mxd\11/11/08



LEGEND

- C-Sand IRZ Bioremediation Well
- C-Sand Monitoring Well
- C-Sand Observation Well
- -7.94 Approximate Water Level Elevation, Feet Meal Sea Level, * Indicates Not Used in Contouring
- -7.4 Approximate Walter Level Elevation Contour, Feet Mean Sea Level
- Parcel Boundary

0 300 600
SCALE

FIGURE 5

C-SAND GROUNDWATER ELEVATIONS SEPTEMBER 22, 2008

BOEING CORPORATE REAL ESTATE
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

Appendix A

Groundwater Sampling Data Sheets

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Groundwater Monitoring Well Gauging Sheet

Project Name: Boeing C-6 August 2008 Gauging Event **Project Manager:** Michael Rendina **Project No.:** 1155.006

Location: Long Beach, CA **Field Personnel:** BCB/DML **Date:** 8/5/2008

Field Conditions: Warm, Clear

Well ID	Previous Measurement Date	Previous Depth to Water	Previous Total Depth	Date	Time	Well Diameter (in.)	PID (ppm)	Measurement Point	Depth to Water	Depth to Water #2	Comments/Well Condition
CMW026	03/26/08	59.25	117.00	8/5/2008	7:15	4	48.0	TOC-N	59.14	59.14	Good
IRZCMW002	03/26/08	63.50	121.00	8/5/2008	9:07	4	0.0	TOC-N	53.32	53.32	Good
MWC024	03/26/08	59.52	121.00	8/5/2008	12:24	4	36.5	TOC-N	59.24	59.24	Good
IRZCMW003	03/26/08	59.41	117.00	8/5/2008	13:17	4	17.4	TOC-N	59.17	59.17	Good
AW0074UB	06/17/08	59.34	90.00	8/5/2008	8:59	2	31.5	TOC-N	59.34	59.34	Good
AW0075UB	06/17/08	59.85	89.00	8/5/2008	9:21	2	25.0	TOC-N	59.83	59.83	Good
WCC_06S	04/22/08	59.39	84.50	8/5/2008	9:27	4	0.0	TOC-N	59.11	59.11	Difficult access
AW0073C	06/17/08	60.04	116.00	8/5/2008	9:33	2	0.0	TOC-N	60.05	60.05	Good
AW0055UB	06/17/08	60.03	89.00	8/5/2008	9:40	2	9.4	TOC-N	60.10	60.1	Good
EWB002	06/17/08	60.28	90.00	8/5/2008	9:45	6	0.0	TOC-N	60.38	60.38	Good
AW0077UB	06/17/08	60.53	85.50	8/5/2008	9:55	2	0.0	TOC-N	60.64	60.64	Good
AW0076UB	06/17/08	60.34	89.00	8/5/2008	10:03	2	16.1	TOC-N	60.37	60.37	Good
MWB006	03/27/08	60.34	90.00	8/5/2008	10:10	4	135	TOC-N	60.32	60.32	Good

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B2 Month 1 WDR Sampling, August		Date: 8/5/08	
Project No.:	1155.006	Prepared by: BCB	
Well Identification:	CMW026	Weather: Clear / Cool	
Measurement Point Description:	TOC-N	Pump Intake: COS	Screen: 92 - 117

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.05	117	57.95	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 4	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED

Purge Method: Micropurge - Dedicated

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0734	10/5s @ 80psi	0	250	59.05	22.58	1.136	2.37	6.29	-179	29	colorless
0737		750		59.22	22.16	2.28	0.56	6.40	-181	17	light yellow
0740		1500		59.29	22.04	2.93	0.33	6.46	-190	7.7	"
0743		2250		59.30	22.05	2.97	0.37	6.46	-200	5.2	"
0746		3000		59.31	22.07	2.99	0.38	6.46	-202	3.9	"
0749		3750		59.31	22.08	3.02	0.38	6.46	-204	3.1	"
0752		4500		59.31	22.08	3.04	0.38	6.46	-205	2.7	"
0755		5250		59.31	22.08	3.05	0.38	6.46	-206	2.5	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0734	0755	250	5.25	N/A	NA	59.31	0755	CMW026_WG200808 05 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.55	48.0	—

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B2 Month 1 WDR Sampling, August		Date: 8/5/08	
Project No.:	1155.006	Prepared by: BCB	
Well Identification:	IRZCMW002	Weather: Inside structure	
Measurement Point Description:	TOC-N	Pump Intake: COS	Screen: 96 - 121

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	53.32	121	67.68	—	N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 4	0.75	2	(4)	6	Field Equipment: QED
F - Gallons per foot of casing	0.02	0.16	0.65	1.47	Purge Method: Micropurge - Dedicated
					Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0907		0	250	53.32	21.62	2.11	2.24	6.44	-95	252	cloudy
0910		750		53.59	21.40	1.98	0.61	6.42	-120	19.7	colorless
0913		1500		53.75	21.40	1.91	0.37	6.38	-139	9.2	light yellow
0916		2250		53.92	21.39	1.90	0.34	6.35	-145	7.7	"
0919		3000		54.12	21.39	1.94	0.32	6.38	-148	5.2	"
0922		3750		54.19	21.39	1.96	0.33	6.38	-159	4.3	"
0925		4500		54.25	21.39	1.97	0.32	6.38	-162	3.9	"
~~0928~~	—			~~54.28~~							

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0907	0925	250	4.5	N/A	NA	54.25	0925	IRZCMW002_WG20080805_01

Notes: (units) [stabilization criteria]	Field Parameters			DUP:
	Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)	DRUM NO:
	1.74	0.0	—	

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B2 Month 1 WDR Sampling, August		Date: 8/5/08	
Project No.: 1155.006		Prepared by: BCB	
Well Identification: IRZCMW003		Weather: Clear / Hot	
Measurement Point Description: TOC-N		Pump Intake:	Screen: 92 - 117

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.17	117	57.83	—	N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 4	0.75	2	4	6	
F - Gallons per foot of casing	0.02	0.16	0.65	1.47	

Field Equipment: QED

Purge Method: Micropurge - Dedicated

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1317	10/5s @ 82psi	—	250	59.17	24.36	1.054	4.07	7.25	-151	0.87	Colorless
1320	↓		↓	59.29	22.07	0.981	0.24	7.22	-128	0.82	"
1323				59.30	22.02	0.980	0.12	7.26	-117	0.43	"
1325				59.30	21.97	0.981	0.10	7.30	-112	0.19	"
1328				59.31	22.00	0.980	0.09	7.33	-109	0.15	"
1331				59.31	21.96	0.979	0.09	7.34	-109	0.11	"
1334	↓		↓	59.31	21.97	0.979	0.10	7.33	-107	0.14	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1317	1334	250	4.5	N/A	NA		1334	IRZCMW003_WG200808 05 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
0.01	17.4	—

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B2 Month 1 WDR Sampling, August		Date: 8/5/08	
Project No.:	1155.006	Prepared by: BCB	
Well Identification:	MWC024	Weather: Clear / Hot	
Measurement Point Description:	TOC-N	Pump Intake: 105	Screen: 96 - 121

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen - B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.24	121	61.76	—	N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 4	0.75	2	4	6	
F - Gallons per foot of casing	0.02	0.16	0.65	1.47	

Field Equipment: QED
Purge Method: Micropurge - Dedicated
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1224	10/5s @ 80psi	—	250	59.24	25.55	1.73	1.69	6.80	-99	2.26	colorless
1227	↓		↓	59.31	23.17	1.60	0.91	6.87	-70	2.35	"
1230				59.32	23.02	1.60	0.86	6.91	-68	2.44	"
1233				59.31	23.02	1.60	0.85	6.93	-62	2.56	"
1236				59.31	23.92	1.60	0.92	6.98	-60	1.11	"
1239				59.31	23.95	1.61	0.92	6.99	-61	0.34	"
1242				59.31	23.96	1.61	0.96	7.00	-59	0.12	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1224	1242	250	4.5	N/A	NA	59.31	1242	MWC024_WG200808 05 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
0.03	36.5	1.0

DUP: MWC024_WG200808 05 _02
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B1-36 WDR Sampling, August 2008		Date: 8/6/08	
Project No.: 1155.006		Prepared by: BCB	
Well Identification: AW0055UB		Weather: Clear / Hot	
Measurement Point Description: TOC-N		Pump Intake: 60S	Screen: 69 - 89

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.98	89	29.02	—	N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 2	0.75	(2)	4	6	
F - Gallons per foot of casing	0.02	0.16	0.65	1.47	

Field Equipment: QED

Purge Method: Micropurge - Dedicated

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1058	10/5s @ 55psi	—	250	59.98	25.52	2.16	2.23	6.91	-61	54.9	colorless
1101	↓	750	↓	60.07	23.87	3.12	1.24	6.47	-81	32.2	"
1104		1500		60.12	23.54	3.16	0.74	6.48	-87	15.7	"
1107		2250		60.11	23.32	3.17	0.56	6.50	-111	7.11	"
1111		3000		60.13	23.27	3.17	0.33	6.52	-115	2.84	"
1114		3750		60.12	23.16	3.17	0.27	6.52	-117	1.47	"
1117		4500		60.11	23.19	3.17	0.24	6.51	-~~119~~ 119	0.96	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1158	1117	250	4.5	N/A	NA	60.11	1117	AW0055UB_WG200808~~06~~ _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.02	9.4	—

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B1-36 WDR Sampling, August 2008		Date: 8/6/08	
Project No.:	1155.006	Prepared by: BCB	
Well Identification:	AW0073C	Weather: Clear/Hot	
Measurement Point Description:	TOC-N	Pump Intake: COS	Screen: 96 - 116

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.94	116	—		N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	(2)	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED

Purge Method: Micropurge - Dedicated

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1003	10.5s @ 65psi	—	250	59.94	26.47	1.52	1.99	6.73	-72	22.7	colorless
1006		750		60.17	24.08	0.891	1.43	7.04	-105	30.0	"
1009		1500		60.15	23.44	0.879	0.37	7.12	-168	32.2	"
1012		2250		60.12	23.32	0.873	0.27	7.12	-177	27.5	"
1015		3000		60.15	23.40	0.864	0.25	7.14	-177	22.4	"
1018		3750		60.14	23.41	0.857	0.22	7.15	-177	19.5	"
1021		4500		60.13	23.35	0.849	0.18	7.14	-177	17.3	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1003	1021	250	4.5	N/A	NA	60.13	1021	AW0073C_WG200808 06 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.99	0.0	—

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B1-36 WDR Sampling, August 2008		Date: 8/6/08	
Project No.: 1155.006		Prepared by: BCB	
Well Identification: AW0074UB		Weather: Clear / Warm	
Measurement Point Description: TOC-N		Pump Intake: CDS	Screen: 70 - 90

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.29	90	30.71	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	(2)	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED

Purge Method: Micropurge - Dedicated

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0830	10.5s @ 80psi	—	250	59.29	23.95	0.837	3.25	6.61	-55	5.99	colorless
0833	↓	750	↓	59.32	22.71	3.25	1.23	6.34	-67	4.33	"
0836		1500		59.31	22.67	3.13	1.13	6.37	-97	2.29	"
0839		2250		59.30	22.65	3.07	0.85	6.41	-110	2.42	"
0842		3000		59.29	22.63	2.92	0.62	6.43	-111	2.01	"
0845		3750		59.29	22.64	2.92	0.57	6.44	-111	1.11	"
0848		4500		59.29	22.64	2.92	0.52	6.44	-112	0.27	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0830	0848	250	4.5	N/A	NA	59.29	0848	AW0074UB_WG200808 06 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.07	31.5	—

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B1-36 WDR Sampling, August 2008		Date: 8/6/08	
Project No.: 1155.006		Prepared by: BCB	
Well Identification: AW0075UB		Weather: Clear!	
Measurement Point Description: TOC-N		Pump Intake: 105	Screen: 69 - 89

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.77	89	29.23	—	N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 2	0.75	(2)	4	6	
F - Gallons per foot of casing	0.02	0.16	0.65	1.47	

Field Equipment: QED
Purge Method: Micropurge - Dedicated
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0912	10/5s @ 65psi	—	250	59.77	24.75	3.57	0.46	6.34	-109	20.5	colorless
0915	↓	750	↓	59.79	23.28	3.65	0.29	6.33	-116	24.1	"
0918		1500		59.80	23.20	3.64	0.25	6.33	-123	22.8	"
0921		2250		59.79	23.29	3.64	0.25	6.32	-124	20.2	"
0924		3000		59.80	23.40	3.64	0.26	6.32	-124	16.3	"
0927		3750		59.80	23.42	3.65	0.24	6.32	-121	17.6	"
0930		4500		59.80	23.4	3.65	0.23	6.32	-121	15.1	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0912	0930	250	4.5	N/A	NA	59.80	0930	AW0075UB_WG200808 06 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.35	25.0	—

DUP: AW0075UB_WG200808 06 _02
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B1-36 WDR Sampling, August 2008		Date: 8/7/08	
Project No.:	1155.006	Prepared by: BCB	
Well Identification:	AW0076UB	Weather: Clear / Warm / Humid	
Measurement Point Description:	TOC-N	Pump Intake: LOS	Screen: 69 - 89

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	60.22	89	28.78	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	(2)	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED
Purge Method: Micropurge - Dedicated
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0737	10/5s @ 55psi	—	250	60.22	22.89	3.77	1.15	6.45	-128	18.7	colorless
0740		750		60.27	22.87	3.64	0.91	6.45	-129	12.2	"
0743		1500		60.29	22.83	3.54	0.76	6.44	-129	4.70	"
0746		2250		60.28	22.74	3.55	0.71	6.44	-130	4.12	"
0749		3000		60.27	22.95	3.57	0.53	6.45	-133	3.51	"
0752		3750		60.28	22.97	3.57	0.49	6.45	-133	2.45	"
0755		4500		60.27	22.98	3.60	0.41	6.45	-133	1.91	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0737	0755	250	4.5	N/A	NA	60.27	0755	AW0076UB_WG20080807_01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.47	16.1	—

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B1-36 WDR Sampling, August 2008		Date: 8/6/08	
Project No.:	1155.006	Prepared by: BCB	
Well Identification:	AW0077UB	Weather: Sunny / Hot 94°	
Measurement Point Description:	TOC-N	Pump Intake: COS	Screen: 70.5 - 85.5

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
–	60.52	85.50	24.98	–	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	(2)	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED

Purge Method: Micropurge - Dedicated

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1257	10/5s @ 35psi	–	250	60.52	24.07	3.53	0.26	6.44	-160	8.89	colorless
1300	↓	750	↓	60.85	24.74	3.66	0.23	6.43	-167	32.7	light yellow
1303		1500		60.94	23.84	3.67	0.21	6.43	-172	21.5	"
1306		2250		61.05	23.69	3.61	0.21	6.41	-174	18.4	"
1309		3000		61.11	23.68	3.58	0.22	6.40	-175	15.1	"
1312		3750		61.15	23.65	3.52	0.21	6.39	-176	10.2	"
1315		4500		61.19	23.63	3.49	0.21	6.39	-176	8.50	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1257	1315	250		N/A	NA	61.19	1315	AW0077UB_WG200808 06 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
2.49	0.0	–

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B1-36 WDR Sampling, August 2008		Date: 8/6/08	
Project No.: 1155.006		Prepared by: BCB	
Well Identification: EWB002		Weather: Clear / Hot	
Measurement Point Description: TOC-N		Pump Intake: 60s	Screen: 60 - 90

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	60.27	90	29.73	—	N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 6	0.75	2	4	(6)	
F - Gallons per foot of casing	0.02	0.16	0.65	1.47	

Field Equipment: QED
Purge Method: Micropurge - Dedicated
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1218	10/5 @ 65psi	—	250	60.27	26.16	3.32	0.58	6.53	-135	4.64	colorless
1221				60.36	23.95	3.39	0.34	6.35	-133	3.13	"
1224				60.42	23.84	3.39	0.29	6.39	-142	2.74	"
1227				60.45	23.80	3.39	0.25	6.41	-144	2.23	
1230				60.48	23.78	3.39	0.24	6.41	-146	1.93	"
1233				60.49		3.40	0.23	6.41	-146	1.89	"
1236				60.50	23.83	3.40	0.22	6.41	-146	2.01	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1218	1236	250	4.5	N/A	NA	60.50	1236	EWB002_WG200808 06 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
3.17	0.0	—

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B1-36 WDR Sampling, August 2008		Date: 8/7/08	
Project No.:	1155.006	Prepared by: BCB	
Well Identification:	MWB006	Weather: Clear / Hot	
Measurement Point Description:	TOC-N	Pump Intake: COS	Screen: 65 - 90

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	60.10	90	29.90		N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 2	0.75	2	(4)	6	
F - Gallons per foot of casing	0.02	0.16	0.65	1.47	

Field Equipment: QED

Purge Method: Micropurge - Portable

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0910	10/56 @ 65psi	–	250	60.10	26.35	7.24	4.23	6.04	-69	16.8	colorless
0913				60.45	25.04	7.98	2.30	5.90	-78	14.2	"
0916				60.52	24.96	7.99	1.82	5.90	-84	11.8	"
0919				60.60	24.93	8.00	1.40	5.90	-87	9.68	"
0922				60.67	24.87	8.00	0.99	5.89	-89	9.02	"
0925				60.74	24.78	8.00	0.72	5.89	-91	7.67	"
0928				60.77	24.77	8.00	0.68	5.89	-92	6.75	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0910	0928	250	4.5	N/A	NA	60.77	0928	MWB006_WG200808 07 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
2.87	135	—

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, B1-36 WDR Sampling, August 2008		Date: 8/5/08	
Project No.:	1155.006	Prepared by: BCB	
Well Identification:	WCC_06S	Weather: Clear / Hot / Humid	
Measurement Point Description:	TOC-N	Pump Intake: 60 S	Screen: 60 - 90

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.04	90	30.96	—	N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 4	0.75	2	4	6	
F - Gallons per foot of casing	0.02	0.16	0.65	1.47	

Field Equipment: QED

Purge Method: Micropurge - Portable

Well Condition: Difficult access

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1111	10/5 s @ 80 psi	0	250	59.04	24.73	3.78	2.23	5.92	-135	110	cloudy
1114				59.14	23.80	3.82	1.35	5.90	-149	154	v. dark gray
1117				59.16	23.77	3.83	1.03	5.90	-150	157.0	"
1120				59.17	23.72	3.83	0.77	5.90	-152	122.0	"
1123				59.15	23.77	3.83	0.64	5.89	-152	135	light gray
1126				59.14	23.52	3.83	0.52	5.87	-151	142	"
1129		4.5		59.17	23.79	3.83	0.35	5.87	-151	137	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1111	1129	250	4.5	N/A	NA	1129	1129	WCC_06S_WG200808 05 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.92	0.0	—

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

Groundwater Monitoring Well Gauging Sheet

Project Name: Boeing C-6 Sep-08 Gauging Event **Project Manager:** Michael Rendina **Project No.:** 1155.006

Location: Los Angeles, CA **Field Personnel:** BCB/DML/EMC **Date:** 9/22/2008

Field Conditions: overcast, cool - sunny, warm

Well ID	Previous Measurement Date	Previous Depth to Water	Date	Time	Field Personnel	Well Diameter	PID (ppm)	Measurement Point	Depth to Water	Change in DTW	Comments/Well Conditon
MWC007	Mar-08	58.18	9/22/08	9:10	BCB	4"	0.0	TOC-N	57.78	<1	Good
WCC_05S	Mar-08	59.45	9/22/08	9:22	BCB	4"	0.0	TOC-N	59.17	<1	in planter, need to chase threads & replace bolt
MWB020	Mar-08	57.15	9/22/08	10:25	BCB	4"	0.0	TOC-N	56.73	<1	Good
WCC_12S	Jun-08	58.07	9/22/08	10:34	BCB	4"	0.0	TOC-N	57.90	<1	Good
WCC_09S	Mar-08	61.92	9/22/08	10:42	BCB	4"	0.0	TOC-N	61.57	<1	Good
MWC022	Mar-08	58.41	9/22/08	10:53	BCB	4"	14.7	TOC-N	57.94	<1	missing short (2') 1/4" purge tubing
MWC004	Mar-08	59.03	9/22/08	11:04	BCB	4"	2.9	TOC-N	58.60	<1	Good
WCC_07S	Mar-08	59.27	9/22/08	11:17	BCB	4"	0.0	TOC-N	58.70	<1	Good
MWC023	Mar-08	58.01	9/22/08	11:59	BCB	4"	0.0	TOC-N	57.85	<1	Good
MWB007	Mar-08	57.95	9/22/08	12:12	BCB	4"	94.7	TOC-N	57.57	<1	Good
WCC_04S	Mar-08	59.08	9/22/08	12:34	BCB	4"	2.2	TOC-N	58.78	<1	Good
MWB013	Mar-08	62.21	9/22/08	9:41	BCB	4"	0.0	TOC-N	61.85	<1	Good
TMW_14	Mar-08	66.82	9/22/08	9:58	BCB	2"	0.0	TOC-N	66.48	<1	Good
TMW_15	Mar-08	64.89	9/22/08	10:10	BCB	2"	0.0	TOC-N	64.60	<1	Good
BL-03	Mar-08	66.28	9/22/08	11:40	BCB	2"	0.0	TOC-N	65.90	<1	* Removed dedicated tubing for portable low flow, someone primered and glued 2" coupler TOC, well seal does not fit properly (loose)
DAC-P1	Mar-08	61.75	9/22/08	12:52	BCB	4"	0.0	TOC-N	61.51	<1	Good - replaced new 4" well seal end cap

AVOCET ENVIRONMENTAL, INC.

Groundwater Monitoring Well Gauging Sheet

Project Name: Boeing C-6 Sep-08 Gauging Event **Project Manager:** Michael Rendina **Project No.:** 1155.006

Location: Los Angeles, CA **Field Personnel:** BCB/DML/EMC **Date:** 9/22/2008

Field Conditions: overcast, cool - sunny, warm

Well ID	Previous Measurement Date	Previous Depth to Water	Date	Time	Field Personnel	Well Diameter	PID (ppm)	Measurement Point	Depth to Water	Change in DTW	Comments/Well Conditon
WCC_06S	Aug-08	59.11	9/22/08	9:00	DML	4"	8.5	TOC-N	58.85	<1	good, no tubing
AW0073C	Aug-08	60.05	9/22/08	9:15	DML	2"	1.0	TOC-N	59.89	<1	under pallet, good
MWB027	Mar-08	63.67	9/22/08	9:15	DML	2"	1.0	TOC-N	63.35	<1	good, pump ok
MWB028	Mar-08	63.94	9/22/08	9:25	DML	2"	4.6	TOC-N	63.58	<1	good, tubing ok
TMW_07	Jun-08	60.78	9/22/08	11:20	DML	2"	0.0	TOC-N	60.61	<1	good pump ok
AW0067UB	Jun-08	58.52	9/22/08	13:00	DML	2"	2.0	TOC-N	59.52	<1	under pallet, multiple readings
AW0074UB	Aug-08	59.34	9/22/08	11:40	DML	2"	0.5	TOC-N	59.16	<1	under pallet, no riser, no cap
AW0066UB	Jun-08	58.98	9/22/08	9:40	DML	2"	0.9	TOC-N	59.54	<1	stinger in well
EWB002	Aug-08	60.38	9/22/08	10:00	DML	6"	7.0	TOC-N	60.21	<1	move 1 pallet, good
AW0077UB	Aug-08	60.64	9/22/08	10:20	DML	2"	0.7	TOC-N	60.38	<1	under pallet, access blocked
AW0075UB	Aug-08	59.83	9/22/08	10:25	DML	2"	480	TOC-N	59.72	<1	under pallet, good, stinger in well
AW0076UB	Aug-08	60.37	9/22/08	10:30	DML	2"	22.6	TOC-N	60.20	<1	under trailer, access blocked, good
WCC_03S	Mar-08	59.35	9/22/08	10:37	DML	4"	0.3	TOC-N	59.07	<1	good, pump ok
AW0064UB	Jun-08	58.85	9/22/08	10:45	DML	2"	0.0	TOC-N	58.73	<1	ok, no tubing, no stinger
AW0055UB	Aug-08	60.1	9/22/08	10:55	DML	2"	107	TOC-N	59.91	<1	good, pump ok
MWB006	Aug-08	60.32	9/22/08	11:00	DML	4"	155	TOC-N	60.46	<1	good, tubing ok
AW0065UB	Jun-08	59.32	9/22/08	13:10	DML	2"	0.3	TOC-N	59.09	<1	good, transducer in well

AVOCET ENVIRONMENTAL, INC.

Groundwater Monitoring Well Gauging Sheet

Project Name: Boeing C-6 Sep-08 Gauging Event **Project Manager:** Michael Rendina **Project No.:** 1155.006

Location: Los Angeles, CA **Field Personnel:** BCB/DML/EMC **Date:** 9/22/2008

Field Conditions: overcast, cool - sunny, warm

Well ID	Previous Measurement Date	Previous Depth to Water	Date	Time	Field Personnel	Well Diameter	PID (ppm)	Measurement Point	Depth to Water	Change in DTW	Comments/Well Conditon
MWG004	Mar-08	59.7	9/22/08	14:20	DML	2"	0.0	TOC-N	60.44	0.74	good, blocked by car
MWG003	Mar-08	61.53	9/22/08	11:20	EMC	2"	0.0	TOC-N	61.40	0.13	replace gasket (EMCO)
TMW_06	Mar-08	59.16	9/22/08	10:58	EMC	2"	0.1	TOC-N	59.03	0.13	good
CMW002	Mar-08	60.87	9/22/08	8:50	EMC	4"	0.0	TOC-N	60.77	0.1	good
MWC015	Mar-08	59.89	9/22/08	11:08	EMC	4"	0.9	TOC-N	59.85	0.04	good
MWB014	Mar-08	59.24	9/22/08	10:22	EMC	4"	0.0	TOC-N	59.15	0.09	missing gasket (morris)
IRZCMW001	Mar-08	59.45	9/22/08	10:44	EMC	4"	0.1	TOC-N	59.27	0.18	missing gasket (EMCO)
CMW026	Aug-08	59.14	9/22/08	10:39	EMC	4"	0.0	TOC-N	59.15	-0.01	replace gasket (EMCO)
MW0005	Mar-08	59.37	9/22/08	11:32	EMC	4"	0.1	TOC-N	59.32	0.05	needs gasket(emco)
IRZCMW002	Aug-08	53.32	9/22/08	10:12	EMC	4"	1.6	TOC-N	63.40	-10.08	checked 3x
IWC001	Mar-08	61.08	9/22/08	12:00	EMC	4"	0.0	TOC-N	60.82	0.26	good
MWC024	Aug-08	59.24	9/22/08	10:29	EMC	4"	0.0	TOC-N	59.38	-0.14	ok
EWC002	Feb-08	59.6	9/22/08	10:17	EMC	4"	0.2	TOC-N	59.50	0.1	ok
IRZCMW003	Aug-08	59.17	9/22/08	10:26	EMC	4"	0.0	TOC-N	59.29	-0.12	missing gasket (EMCO)
TMW_10	Mar-08	57.12	9/22/08	9:57	EMC	2"	0.2	TOC-N	56.99	0.13	ok
MWC021	Mar-08	61.93	9/22/08	9:42	EMC	4"	0.2	TOC-N	61.87	0.06	missing gasket (morris)
MWG001	Mar-08	62.69	9/22/08	11:45	EMC	2"	0.1	TOC-N	62.54	0.15	ok
CMW001	Mar-08	62.52	9/22/08	9:25	EMC	4"	0.1	TOC-N	62.31	0.21	ok
XMW-19	Mar-08	57.11	9/22/08	9:32	EMC	4"	0.0	TOC-N	56.36	0.75	no bolts/no cap (QED) 1/4"
MWC009	Mar-08	61.34	9/22/08	9:57	EMC	4"	0.4	TOC-N	61.10	0.24	ok
TMW_11	Mar-08	57.4	9/22/08	9:36	EMC	2"	0.1	TOC-N	57.27	0.13	ok
MWG002	Mar-08	63.67	9/22/08	9:35	EMC	2"	0.2	TOC-N	63.53	0.14	missing gasket (EMCO)
MWC017	Mar-08	63.34	9/22/08	9:05	EMC	4"	0.0	TOC-N	63.17	0.17	ok
MWB019	Mar-08	63.07	9/22/08	9:10	EMC	4"	0.1	TOC-N	63.19	-0.12	ok
XMW-09	Mar-08	61.99	9/22/08	8:59	EMC	4"	0.0	TOC-N	60.71	1.28	missing bolt 15/16"

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9/24/2008
Project No.:	1155.006	**Prepared by:**	TMC
Well Identification:	AW0055UB	**Weather:**	Sunny 70s
Measurement Point Description:	TOC	**Pump Intake:**	79
		Screen:	69 - 89

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
—	60.04	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: o/c

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1336	CPM4	0	200	60.14	25.86	2.80	1.34	6.54	18	195	Cloudy
1339	↓	600	↓	60.26	23.28	3.13	0.38	6.53	-80	68.6	Cloudy
1342		1200		60.30	22.86	3.16	0.19	6.49	-98	40.2	Cloudy
1345		1800		60.31	22.82	3.16	0.15	6.44	-104	34.7	cloudy
1348		2400		60.30	22.77	3.16	0.14	6.49	-108	31.7	cloudy
1351	↓	3000	↓	60.31	22.78	3.16	0.14	6.49	-110	30.5	cloudy

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1336		200	3000	N/A	NA	60.14	1357	AW0055UB_WG200809 24 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9/24/2008
Project No.:	1155.006	**Prepared by:**	[illegible]
Well Identification:	AW0064UB	**Weather:**	Sunny
Measurement Point Description:	TOC	**Pump Intake:**	78' **Screen:** 68.5 - 88.5

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
—	58.87	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Portable Low-flow
Purge Method: Micropurge
Well Condition: OK

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1010	CPM-4	0	200mL	58.87	24.99	3.03	1.23	6.72	-118	214	Cloudy
1013		600		58.87	23.07	3.58	0.21	6.67	-117	5999	Cloudy
1016		1200		58.87	22.65	3.36	0.13	6.71	-119	858	Cloudy
1019		1800		58.87	22.61	3.12	0.17	6.69	-115	427	Cloudy
1022		2400		58.87	22.60	3.07	0.35	6.66	-115	265	Cloudy
1025		3000		58.87	22.56	3.07	0.42	6.67	-111	260	Cloudy
1028		3600		58.87	22.55	3.07	0.36	6.67	-109	207	Cloudy

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1010	1028	200	3.6	N/A	NA	58.87	1035	AW0064UB_WG20080924_01

Notes: (units) [stabilization criteria]
—

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
—	—	—

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9/29/2008
Project No.:	1155.006	**Prepared by:**	GMC
Well Identification:	AW0065UB	**Weather:**	
Measurement Point Description:		**Pump Intake:**	**Screen:** 68.5 - 88.5

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
—	59.29	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Portable Low-flow
Purge Method: Micropurge
Well Condition: O/C

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0835	CM-4	0	200 ml	59.29	22.11	3.49	7.93	6.55	-75	647	cloudy
0838		600		59.39	22.38	3.49	3.41	6.33	-70	1205	cloudy
0841		1200		59.40	22.46	3.49	1.64	6.27	-78	1009	
0844		1800		59.39	22.61	3.49	0.71	6.25	-85	757	
0847		2400		59.39	22.68	3.49	0.59	6.25	-87	679	
0850		3000		59.39	22.71	3.49	0.66	6.25	-87	665	
0853		3600		59.40	22.71	3.49	0.56	6.25	-86	664	
0856		4200		59.40	22.71	3.49	0.59	6.25	-85	663	

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0835	0856	200	4.2	N/A	NA	59.40	0908	AW0065UB_WG20080924_01

Notes: (units) [stabilization criteria]
No Cap on well
tire dest in well

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
—	—	—

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9/24/2008
Project No.:	1155.006	**Prepared by:**	[illegible]
Well Identification:	AW0066UB	**Weather:**	Sunny 70's
Measurement Point Description:	TOC	**Pump Intake:**	77.0 ft
		Screen:	69.5 - 89.5

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
—	59.44	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Portable Low-flow
Purge Method: Micropurge
Well Condition: OK

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0910	CPM-4	0	200	59.44	24.90	3.66	1.88	5.34	-24	1155	cloudy
0913	↓	600	↓	59.61	24.11	6.73	2.36	4.84	-44	800	cloudy
0916		1200		60.68	24.06	0.569	4.67	4.84	-50	886	cloudy
0919		1800		60.78	23.98	6.86	4.85	4.83	-50	786	cloudy
0922		2400		61.09	23.97	6.87	4.90	4.83	-50	793	cloudy
0925	↓	3000	↓	61.09	23.94	6.88	4.43	4.83	-51	779	cloudy

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0910	0913	200	3	N/A	NA	61.09	0930	AW0066UB_WG200809 24 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.25	—	—

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9/24/2008
Project No.:	1155.006	**Prepared by:**	TMC
Well Identification:	AW0067UB	**Weather:**	cloudy 60's
Measurement Point Description:	TOC	**Pump Intake:**	80
		Screen:	70 - 90

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
—	59.86	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Portable Low-flow
Purge Method: Micropurge
Well Condition: OK

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0645	CPM-4	0	200	59.86	20.42	5.80	6.43	4.64	-12	2000	cloudy
0648		600		59.97	21.49	5.8	1.66	4.56	-22	2000	cloudy
0651		1200		60.03	22.90	5.79	0.44	4.56	-37	2000	cloudy
0654		1800		60.02	23.22	5.79	0.34	4.57	-54	2000	cloudy
0657		2400		60.03	23.18	5.77	0.31	4.58	-60	2000	cloudy
0700		3000		60.02	23.14	5.78	0.26	4.57	-64	2000	cloudy
0703		3600		60.02	23.20	5.80	0.31	4.58	-65	2000	cloudy

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0648	0703	200	3.6	N/A	NA	60.02	0720	AW0067UB_WG200809 24 _01

Notes: (units) [stabilization criteria]
Pull ect from solar cur (on) 0638

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.48	—	—

DUP: AW0067UB_WG200809 24 _02
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9 / 24 / 2008
Project No.:	1155.006	**Prepared by:**	BCB
Well Identification:	AW0073C	**Weather:**	Overcast / Cool
Measurement Point Description:	TOC-N	**Pump Intake:**	105
		Screen:	96 - 116

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
—	60.05	116	55.95	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - **Gallons per foot of casing**	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0822	10/5s @ 65%	—	250	60.05	22.67	1.256	6.14	7.34	64	3.92	colorless
0825		750		60.15	22.88	0.871	3.43	7.17	-66	4.83	"
0828		1500		60.19	22.73	0.793	0.90	7.20	-81	20.7	"
0831		2250		60.17	22.60	0.761	0.30	7.27	-99	14.9	"
0834		3000		60.18	22.71	0.758	0.25	7.31	-115	8.18	"
0837		3750		60.19	22.95	0.759	0.21	7.36	-132	5.27	"
0840		4500		60.17	22.99	0.757	0.18	7.38	-138	4.72	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0822	0840	250	4.5	N/A	NA	60.	0840	AW0073C_WG200809 24 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.74		

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9 / 24 / 2008
Project No.:	1155.006	**Prepared by:**	BCB
Well Identification:	AW0075UB	**Weather:**	clear / Hotter than the dickens
Measurement Point Description:	TOC-N	**Pump Intake:**	105
		Screen:	69 - 89

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
—	59.82	89		—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - **Gallons per foot of casing**	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1310	10/5s @ 65psi	—	~250	59.82	25.89	3.28	0.24	6.61	-163	11.7	colorless
1313				59.87	23.80	3.04	0.10	6.40	-159	7.57	"
1316				59.90	23.34	2.96	0.07	6.43	-156	3.93	"
1319				59.91	23.17	2.99	0.05	6.48	-163	3.71	"
1322				59.90	23.10	3.04	0.05	6.54	-165	3.36	"
1325				59.90	23.11	3.06	0.05	6.54	-165	3.10	"
1328				59.90							"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1310	1328	~250	4.5	N/A	NA	59.90	1328	AW0075UB_WG200809 24 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.27		

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9 / 24 / 2008
Project No.:	1155.006	**Prepared by:**	DCB
Well Identification:	AW0076UB	**Weather:**	Clear / mocha color
Measurement Point Description:	TOC-N	**Pump Intake:**	**Screen:** 69 - 89

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	61.30	89	27.70	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	(2)	4	6
F - **Gallons per foot of casing**	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition:

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1357	10/5/s @ 55psi	—	~250	61.30	23.79	3.81	0.22	6.82	-164	16.2	colorless
1400	↓	750	↓	61.35	23.58	3.72	0.15	6.84	-167	12.1	"
1403		1500		61.32	23.54	3.69	0.09	6.84	-170	5.50	"
1406		2250		61.34	23.23	3.80	0.04	6.81	-172	4.22	"
1409		3000		61.33	23.03	3.79	0.04	6.78	-170	3.40	"
1412		3750		61.34	23.00	3.79	0.03	6.76	-168	4.25	"
1415	⊥	4500	⊥	61.33	22.97	3.78	0.03	6.75	-166	3.94	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1357	1415	~250	4.5	N/A	NA	61.33	1415	AW0076UB_WG200809 24 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.39		

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	Date:	9 / 24 / 2008
Project No.:	1155.006	Prepared by:	BCB
Well Identification:	AW0077UB	Weather:	Clear / Hot
Measurement Point Description:	TOC-N	Pump Intake:	60.5
		Screen:	70.5 - 85.5

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
–	60.63	85.50	24.87	–	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1127	10/5 @ 60/25	–	~250	60.63	25.83	3.17	0.50	6.70	-169	18.9	light yellow
1130		750		60.99	23.61	3.47	0.17	6.54	-172	15.8	"
1133		1500		61.05	23.21	3.49	0.09	6.50	-174	14.3	"
1136		2250		61.09	22.78	3.43	0.07	6.56	-182	11.7	"
1139		3000		61.15	22.75	3.42	0.05	6.61	-188	9.19	"
1142		3750		61.29	22.73	3.38	0.05	6.62	-191	5.32	"
1145		4500		61.33	22.72	3.37	0.05	6.61	-193	4.27	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1127	1145	~250	4.5	N/A	NA	61.33	1145	AW0077UB_WG200809 24 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
2.27		

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9/23/2008
Project No.:	1155.006	**Prepared by:**	TMC
Well Identification:	CMW002	**Weather:**	Sunny 70's
Measurement Point Description:	TOC	**Pump Intake:**	114' **Screen:** 99 - 124

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
–	60.69	–	–	–	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 4	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1055	Cpm-4	0	200	60.69	24.23	0.919	4.16	7.61	-7	8.9	clear
1058		600		60.72	22.63	0.980	0.96	7.17	-96	4.9	clear
1101		1200		60.73	23.07	0.980	0.36	7.02	-51	3.3	clear
1104		1800		60.72	23.08	0.981	0.34	7.00	-40	3.6	clear
1107		2400		60.72	23.09	0.980	0.35	7.01	-39	3.2	clear
1110		3000		60.72	23.10	0.981	0.321	7.00	-39	4.1	clear

TMC

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1055	1110	200	3	N/A	NA	60.72	1116	CMW002_WG200809 23 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
0.01	—	—

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9/23 / 2008
Project No.:	1155.006	**Prepared by:**	[illegible]
Well Identification:	CMW026	**Weather:**	Sunny 70s
Measurement Point Description:	TOC	**Pump Intake:**	106
		Screen:	92 - 117

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
NA	59.21	—	NA	NA	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 4	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow

Purge Method: Micropurge

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0900	CPM-4	0	200	59.22	22.14	2.86	3.10	7.16	-125	24.1	clear
0903		600		59.20	22.96	2.61	0.37	6.73	-123	3.2	clear
0906		1200		59.21	21.94	2.66	0.28	6.69	-126	6.5	clear
0909		1800		59.20	21.94	2.61	0.24	6.67	-130	5.5	clear
0912		2400		59.21	21.94	2.63	0.20	6.67	-132	4.1	clear
0915		3600		59.21	21.93	2.62	0.19	6.67	-131	3.9	clear
0918		4200		59.21	21.94	2.63	0.20	6.67	-132	3.8	clear

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0900	0918	200	4.2	N/A	NA	59.20	0924	CMW026_WG200809 23 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.61	5.3	—

DUP: CMW026_WG200809 23 _02

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9 / 24 / 2008
Project No.:	1155.006	**Prepared by:**	BCB
Well Identification:	EWB002	**Weather:**	Clear / Warm
Measurement Point Description:	TOC-N	**Pump Intake:**	105
		Screen:	60 - 90

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
—	60.39	90	29.61	—	N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 6	0.75	2	4	(6)	**Field Equipment:** QED, Dedicated Low-flow
					Purge Method: Micropurge
F - **Gallons per foot of casing**	0.02	0.16	0.65	1.47	**Well Condition:** Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1013	10.5s @ 65psi	—	250	60.39	24.95	2.04	7.02	7.23	-29	8.33	colorless
1016	↓	750	↓	60.52	23.12	2.98	0.91	6.77	-120	5.51	"
1019		1500		60.60	23.09	2.98	0.72	6.79	-134	4.77	"
1022		2250		60.65	23.06	2.99	0.55	6.82	-142	4.12	"
1025		3000		60.70	23.03	2.99	0.23	6.83	-155	3.30	"
1028		3750		60.72	23.02	2.99	0.12	6.83	-159	2.42	"
1031		4500		60.73	23.03	2.99	0.10	6.	-161	2.02	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1013	1031	250	4.5	N/A	NA	60.73	1031	EWB002_WG200809 24 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
3.02		

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9/23/2008
Project No.:	1155.006	**Prepared by:**	[illegible]
Well Identification:	IRZCMW001	**Weather:**	Sunny 70s
Measurement Point Description:		**Pump Intake:**	106
		Screen:	92 - 117

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
—	59.17	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 4	0.75	2	4	6	**Field Equipment:** QED, Dedicated Low-flow
F - Gallons per foot of casing	0.02	0.16	0.65	1.47	**Purge Method:** Micropurge
					Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1023	cpm 4	0	200	59.17	25.61	22.06	4.01	7.12	9	13.7	clear
1026		600		59.31	21.49	1.220	2.28	6.98	-84	10.4	clear
1029		1200		59.32	22.77	1.254	0.36	6.99	-53	5.4	clear
1032		1800		59.31	22.75	1.260	0.35	6.97	-52	3.2	clear
1035		2400		59.31	22.77	1.261	0.36	7.01	-50	3.6	clear

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1023	1035	200	2.4	N/A	NA	59.32	1045	IRZCMW001_WG20080923_01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
0.00	—	—

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9 / 23 / 2008
Project No.:	1155.006	**Prepared by:**	Zinc
Well Identification:	IRZCMW002	**Weather:**	Sunny 70's
Measurement Point Description:		**Pump Intake:**	0/DB
		Screen:	96 - 121

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
NA	63.79	NA	NA	NA	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 4	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow

Purge Method: Micropurge

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0750	CPM-1	0	200mL/min	63.35	20.95	1.75	0.38	6.48	-17	7.6	Clear
0753		600		63.39	21.10	1.86	1.32	6.39	-68	6.7	Clear
0756		1200		63.40	21.19	1.85	0.50	6.35	-71	3.3	Clear
0759		1800		63.41	21.24	1.87	0.38	6.36	-68	3.9	Clear
0802		2400		63.40	21.25	1.87	0.37	6.36	-69	2.6	Clear
0805		3000		63.40	21.24	1.86	0.39	6.35	-70	3.9	Clear

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0750	0805	200mL	3000	N/A	NA	63.40	0815	IRZCMW002_WG20080923_01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
1.65	0.0	—

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9/23 / 2008
Project No.:	1155.006	**Prepared by:**	MMC
Well Identification:	IRZCMW003	**Weather:**	Sunny 70s
Measurement Point Description:	TOC	**Pump Intake:**	100
		Screen:	92 - 117

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
NA	59.22	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 4	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0939	CPM-4	0	200	59.22	22.11	1.278	7.90	7.25	78	17.9	clear
0942		600		59.36	21.79	0.953	0.67	7.17	-60	7.0	clear
0945		1200		59.39	21.73	0.951	0.27	7.20	-34	4.6	clear
0948		1800		59.38	21.74	0.950	0.26	7.21	-36	4.9	clear
0951		2400		59.39	21.73	0.950	0.24	7.21	-34	5.0	clear

MMC

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0939	0951	200	2.4	N/A	NA	59.40	1000	IRZCMW003_WG200809 23 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
0.01	6.2	—

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9/24/2008
Project No.:	1155.006	**Prepared by:**	TMC
Well Identification:	MWB006	**Weather:**	Sunny 80s
Measurement Point Description:	TOC	**Pump Intake:**	77 ft — **Screen:** 65 - 90

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
—	60.16	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Portable Low-flow
Purge Method: Micropurge
Well Condition: OK

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1050	CPM-4	0	200	60.42	25.65	4.64	4.17	6.49	-82	193	cloudy
1053	↓	600	↓	60.54	24.84	7.65	0.24	6.25	-90	58.8	cloudy
1056		1200		61.21	24.70	7.64	0.17	6.28	-93	58.8	clear
1059		1800		61.67	24.74	7.63	0.14	6.19	-96	56.5	clear
1102		2400		61.86	24.78	7.58	0.14	6.30	-94	54.8	clear

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1050	1102	200	2400	N/A	NA	2400	1108	MWB006_WG200809 24 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
2.63	—	—

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9/23/2008
Project No.:	1155.006	**Prepared by:**	[illegible]
Well Identification:	MWC024	**Weather:**	Sunny 70s
Measurement Point Description:	TOC	**Pump Intake:**	108
		Screen:	96 - 121

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
NA	59.25	NA	NA	NA	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 4	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0830	epm-4	[illegible] mL	200mL	59.27	23.88	1.57	5.32	7.18	0	24.0	clear
0833		600		59.32	22.39	1.470	4.07	7.02	18	7.7	clear
0836		1200		59.31	22.19	1.403	0.37	6.99	28	6.7	clear
0839		1800		59.31	22.19	1.402	0.32	6.98	27	7.0	clear
0842		2400		59.32	22.20	1.402	0.35	6.99	27	7.1	clear
845		3000									

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0830	0845	200	3	N/A	NA	59.32	0835	MWC024_WG200809 23 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
0.04	0.9	

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	Date:	9 / 24 / 2008
Project No.:	1155.006	Prepared by:	BCB
Well Identification:	TMW_07	Weather:	Clear / Warm
Measurement Point Description:	TOC-N	Pump Intake:	COS
		Screen:	65 - 85

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	60.77	85	24.23	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	(2)	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow

Purge Method: Micropurge

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0905	10/5s @ 65psi	—	~250	60.77	25.07	1.264	3.71	7.33	-81	3.26	colorless
0908	↓	750	↓	60.79	22.77	1.58	5.97	7.33	-37	3.54	"
0911		1500		60.82	22.65	1.58	6.17	7.33	-15	1.92	"
0914		2250		60.81	22.64	1.58	6.19	7.34	-9	1.75	"
0917		3000		60.80	22.64	1.58	6.20	7.34	-2	1.57	"
0920		3750		60.80	22.62	1.59	6.22	7.35	6	1.55	"
0923		4500		60.82	22.62	1.559	6.22	7.35	9	1.54	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0905	0923	250	4.5	N/A	NA	60.82	0923	TMW_07_WG200809 24 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
0.0		

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Boeing Former C-6 Facility, WDR Sampling, September 2008	**Date:**	9 / 24 / 2008
Project No.:	1155.006	**Prepared by:**	BCB
Well Identification:	WCC_12S	**Weather:**	Overcast / Foggy & Cool
Measurement Point Description:	ToC-N	**Pump Intake:**	COS — **Screen:** 60 - 90

A	B	C	D = C - B	E = B - A	G = D x F	H = Screen x F	I = (top screen – B) x F	
Depth to LNAPL (ft-bmp)	**Depth to Static Water Level** (ft-bmp)	**Well Total Depth** (ft-bmp)	**Water Column Height** (ft)	**LNAPL Thickness** (ft)	**One Casing Volume** (gallons)	**Screen Volume** (gallons)	**Above Screen Volume** (gal.)	**Total Purge Volume** (gal.)
—	58.00	90	32.00	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 4	0.75	2	(4)	6
F - **Gallons per foot of casing**	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
0716	10/5s @ 70psi	—	~250	58.00	21.67	1.75	6.72	6.85	111	2.71	colorless
0719	↓		↓	58.08	21.74	1.72	6.43	7.16	107	1.35	"
0722				58.07	21.78	1.73	6.45	7.29	104	1.47	"
0725				58.08	21.77	1.73	6.44	7.31	104	1.41	"
0728				58.09	21.78	1.73	6.43	7.33	103	1.36	"
0731				58.09	21.77	1.73	6.42	7.35	102	1.34	"
0734	↓		↓	58.08	21.79	1.73	6.42	7.36	104	1.32	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0716	0734	250	4.5	N/A	NA	58.08	0734	WCC_12S_WG200809 24 _01

Notes: (units) [stabilization criteria]

Field Parameters		
Ferrous Iron (mg/L)	PID (ppm):	Chemetrics D.O.(mg/L)
0.09		

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

Groundwater Monitoring Well Gauging Sheet

Project Name: Boeing C-6 December 2008 Gauging Event **Project Manager:** Michael Rendina **Project No.:** 1155.006

Location: Long Beach, CA **Field Personnel:** BCB **Date:** 12/2/08

Field Conditions:

	Well ID	Previous Measurement Date	Previous Depth to Water	Previous Total Depth	Date	Time	Well Diameter	PID (ppm)	Measurement Point	Depth to Water	Depth to Water #2	Comments/Well Conditon
•	AW0055UB	09/22/08	59.91	89.00	12/2/08	0827	2"	91.6	TOC-N	59.98		Good
• –	AW0064UB	09/22/08	58.73	88.50		0839	2"	18.5	TOC-N	58.74		"
• –	AW0065UB	09/22/08	59.09	88.50		0844	2"	2.4	TOC-N	59.17		No well cap
• –	AW0066UB	09/22/08	59.54	89.50		0942	2"	4.5	TOC-N	59.49		Good
• –	AW0067UB	09/22/08	59.52	90.00		0954	2"	4.9	TOC-N	59.81		"
*	AW0073C	09/22/08	59.89	116.00		0850	2"	0.3	TOC-N	59.87		"
•	AW0074UB	09/22/08	59.16	90.00		0959	2"	5.5	TOC-N	59.22		"
*	AW0075UB	09/22/08	59.72	89.00					TOC-N			
*	AW0076UB	09/22/08	60.20	89.00					TOC-N			
*	AW0077UB	09/22/08	60.38	85.50					TOC-N			
*	EWB002	09/22/08	60.21	90.00					TOC-N			
• –	MWB006	09/22/08	60.46	90.00					TOC-N			
•	TMW_07	09/22/08	60.61	0.00					TOC-N			
• –	WCC_06S	09/22/08	58.85	0.00					TOC-N			
	WCC_12S	09/22/08	57.90	0.00					TOC-N			

Explanation

– [illegible]

* [illegible]

• completed

AVOCET ENVIRONMENTAL, INC.

Groundwater Monitoring Well Gauging Sheet

Project Name: Boeing C-6 December 2008 Gauging Event **Project Manager:** Michael Rendina **Project No.:** 1155.006

Location: Long Beach, CA **Field Personnel:** _____ **Date:** _____

Field Conditions: _____

Well ID	Previous Measurement Date	Previous Depth to Water	Previous Total Depth	Date	Time	Well Diameter	PID (ppm)	Measurement Point	Depth to Water	Depth to Water #2	Comments/Well Conditon
AW0055UB	09/22/08	59.91	89.00					TOC-N			
AW0064UB	09/22/08	58.73	88.50					TOC-N			
AW0065UB	09/22/08	59.09	88.50					TOC-N			
AW0066UB	09/22/08	59.54	89.50					TOC-N			
AW0067UB	09/22/08	59.52	90.00					TOC-N			
AW0073C	09/22/08	59.89	116.00					TOC-N			
AW0074UB	09/22/08	59.16	90.00					TOC-N			
AW0075UB	09/22/08	59.72	89.00	12/2/08	0830	2"	60.32	TOC-N	59.83	59.83	Good
AW0076UB	09/22/08	60.20	89.00	12/2/08	0843	2"	25.4	TOC-N	60.32	60.32	Good
AW0077UB	09/22/08	60.38	85.50	12/2/08	0851	2"	1.7	TOC-N	60.62	60.62	Good
EWB002	09/22/08	60.21	90.00	12/2/08	0900	6"	6.7	TOC-N	60.32	60.32	Good/missing cap
MWB006	09/22/08	60.46	90.00	12/2/08	0912	4"	0.3	TOC-N	60.29	60.29	Good
TMW_07	09/22/08	60.61	0.00	12/2/08	0925	2"	0.2	TOC-N	60.77	60.77	Good
WCC_06S	09/22/08	58.85	0.00	12/2/08	0834	4"	3.9	TOC-N	59.06	59.06	Good
WCC_12S	09/22/08	57.90	0.00	12/2/08	0930	4"	0.7	TOC-N	58.01	58.01	Good

AVOCET ENVIRONMENTAL, INC.

Groundwater Monitoring Well Gauging Sheet

Project Name: Boeing C-6 December 2008 Gauging Event **Project Manager:** Michael Rendina **Project No.:** 1155.006

Location: Long Beach, CA **Field Personnel:** BCB **Date:** 12/3/08

Field Conditions:

Well ID	Previous Measurement Date	Previous Depth to Water	Previous Total Depth	Date	Time	Well Diameter	PID (ppm)	Measurement Point	Depth to Water	Depth to Water #2	Comments/Well Conditon
CMW002	09/22/08	60.77	124.00	12/3/08	0805	4"	2.1	TOC-N	63.28		Good
CMW026	09/22/08	59.15	117.00					TOC-N			
IRZCMW001	09/22/08	59.27	117.00		0910	4"	0.0	TOC-N	59.15		
IRZCMW002	09/22/08	63.40	121.00		1157	4"	0.2	TOC-N	60.65		
IRZCMW003	09/22/08	59.29	117.00					TOC-N			
MWC024	09/22/08	59.38	121.00		1025	4"	22.6	TOC-N	59.24		

AVOCET ENVIRONMENTAL, INC.

Groundwater Monitoring Well Gauging Sheet

Project Name: Boeing C-6 December 2008 Gauging Event **Project Manager:** Michael Rendina **Project No.:** 1155.006

Location: Long Beach, CA **Field Personnel:** _____ **Date:** _____

Field Conditions: _____

Well ID	Previous Measurement Date	Previous Depth to Water	Previous Total Depth	Date	Time	Well Diameter	PID (ppm)	Measurement Point	Depth to Water	Depth to Water #2	Comments/Well Conditon
CMW002	09/22/08	60.77	124.00					TOC-N			
CMW026	09/22/08	59.15	117.00	12/3/08	1153	4"	0.2	TOC-N	59.12	59.12	ok
IRZCMW001	09/22/08	59.27	117.00					TOC-N			
IRZCMW002	09/22/08	63.40	121.00					TOC-N			
IRZCMW003	09/22/08	59.29	117.00	12/3/08	1121	4"	2.1 ppm	TOC-N	59.23	59.23	missing bolt
MWC024	09/22/08	59.38	121.00					TOC-N			

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/2/08	
Project No.: 1146.053		Prepared by: BCB	
Well Identification: AW0055UB		Weather: Overcast / Cool	
Measurement Point Description: TOC-N		Pump Intake: 60 5	Screen: 69 - 89

A	B	C	D = C - B	E = B - A	G = D x F	H = 20 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.98	89		—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition:

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-24-08					22.78	3.16	0.14	6.49	-110	30.5	
1111	10/5 s @	—	~250	59.98	21.43	3.27	0.61	6.57	-218	18.2	colorless
1114		750		60.11	21.79	3.26	0.38	6.50	-238	11.1	"
1117		1500		60.13	21.75	3.27	0.39	6.51	-237	5.21	"
1120		2250		60.15	21.76	3.25	0.37	6.50	-235	2.01	"
1123		3000		60.15	21.78	3.25	0.37	6.49	-232	1.13	"
1126		3750		60.16	21.77	3.24	0.35	6.51	-239	0.52	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1111	1126	~250	~3.75	N/A	NA	60.16	1126	AW0055UB_WG200812 02 _01

Notes: (units) [stabilization criteria]

Ferrous Iron = 1.12

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/2/08	
Project No.: 1146.053		Prepared by: BCB	
Well Identification: AW0074UB		Weather: Overcast / Cool	
Measurement Point Description: TOC-N		Pump Intake: COS	Screen: 70 - 90

A	B	C	D = C - B	E = B - A	G = D x F	H = 20 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.22	90		—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	(2)	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow

Purge Method: Micropurge

Well Condition: missing blue plastic cap (low flow well cap)

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 08-06-08					22.64	2.92	0.52	6.44	-112	0.27	
1159	10/5s@ 55psi	—	~[redacted]250	59.22	22.18	2.74	3.66	6.77	-148	22.4	colorless
1202	↓	750	750	59.19	22.34	3.55	0.45	6.44	-212	7.74	"
1205		1500	1500	59.18	22.32	3.28	0.30	6.49	-214	2.95	light yellow
1208		2250	2250	59.17	22.35	3.21	0.28	6.50	-213	1.11	"
1211		3000	3000	59.16	22.	3.09	0.29	6.47	-212	0.97	"
1213	↓	3750	3750	59.15	22.	3.01	0.29	6.49	-212	0.44	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1159	1213	~250	3.75	N/A	NA	59.15	1213	AW0074UB_WG200812 02 _01

Notes: (units) [stabilization criteria]

Ferrous Iron = 1.47

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/2/08	
Project No.: 1146.053		Prepared by: BCB	
Well Identification: TMW_07		Weather: Overcast / Cool	
Measurement Point Description: TOC-N		Pump Intake: 80s	Screen: 65 - 85

A	B	C	D = C - B	E = B - A	G = D x F	H = 20 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	60.58	85		—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition:

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-24-08					22.62	1.559	6.22	7.35	9	1.54	
1255	10/5 s @ 60psi	—	~250	60.58	21.65	3.74	4.84	6.98	-97	0.76	colorless
1258	↓	750	↓	60.62	22.17	1.70	6.33	7.06	-57	0.94	"
1301		1500		60.60	22.20	1.70	6.61	7.05	-52	1.12	"
1304		2250		60.61	22.21	1.70	6.65	7.06	-50	1.17	"
1307		3000		60.61	22.	1.70	6.67	7.06	-46	1.21	"
1310	—	3750	—	60.61	22.12	1.70	6.71	7.06	-43	1.29	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1255	1310	~250	~3.75	N/A	NA	60.61	1310	TMW_07_WG200812 02 _01

Notes: (units) [stabilization criteria]

Ferrous Iron = 0.97

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/2/08	
Project No.: 1146.053		Prepared by: EMC	
Well Identification: WCC-6S		Weather: cloudy	
Measurement Point Description: TOC-N		Pump Intake: 60'	Screen:

A	B	C	D = C - B	E = B - A	G = D x F	H = 25 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.06	90	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) =	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED

Purge Method: Micropurge micropurge

Well Condition: OK

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1005	CPM-4	[illegible]	200	59.06	19.73	3.91	10.36	6.33	-195	69.2	cloudy
1008		600		59.21	21.66	3.86	6.95	6.71	-185	48.7	s. cloudy
1011		1200		59.20	21.89	3.86	4.63	6.84	-180	40.2	s. cloudy
1014		1800		59.20	21.95	3.86	3.51	6.89	-179	46.2	"
1017		2400		59.21	22.00	3.86	3.15	6.94	-172	45.4	"
1020		3000		59.21	22.01	3.86	3.16	6.95	-171	45.5	"
1023		3600		59.20	22.02	3.85	3.17	6.94	-172	45.2	"
EMC											

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1005	1023	200 mL	3600	N/A	NA	59.20	1030	WCC_BS_W62008120_01

Notes: (units) [stabilization criteria] 1.67 Ferrous iron D.O 3.54

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008	Date: 12/2/08
Project No.: 1146.053	Prepared by: Zmc
Well Identification: AW0066UB	Weather: cloudy
Measurement Point Description: TOC	Pump Intake: 208 / Screen: 69.5 - 89.5

A	B	C	D = C - B	E = B - A	G = D x F	H = 25 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.49	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) =	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED

Purge Method: Micropurge

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1040	CPM-1	0	200	59.49	22.06	3.95	2.16	6.01	-16	124	Cloudy
1043		600		59.62	22.17	4.11	1.84	6.21	-72	136	
1046		1200		59.61	22.18	5.36	1.76	6.29	-70	256	
1049		1800		59.62	22.20	5.41	1.75	6.32	-69	261	
1052		2400		59.61	22.19	5.40	1.70	6.31	-70	272	
1055		3000		59.60	22.20	5.39	1.71	6.32	-69	271	

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1040	1055	200	3000	N/A	NA	59.60	1105	AW0066UB_WB200B1205_01

Notes: (units) [stabilization criteria] Ferrous Iron 1.15 D.O. 1.93

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/2/08	
Project No.: 1146.053		Prepared by: EMG	
Well Identification: AW0065UB		Weather: cloudy	
Measurement Point Description: TOC		Pump Intake: 65'	Screen: 68.5 - 88.5

A	B	C	D = C - B	E = B - A	G = D x F	H = 20 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.17	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Portable Low-flow

Purge Method: Micropurge

Well Condition: missing cap

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-24-08					22.71	3.49	0.58	6.25	-85	663	
1210	200 mL/min	0	200	59.17	21.77	4.27	3.49	5.91	-87	343	cloudy
1213		600		59.42	22.20	3.50	0.52	6.39	-162	2000+	
1216		1200		59.41	22.13	3.51	0.38	6.42	-170	1942	
1219		1800		59.40	22.15	3.50	0.30	6.50	-178	1941	
1222		2400		59.40	22.17	3.51	0.29	6.51	-180	1965	
1225		3000		59.41	22.18	3.49	0.28	6.50	-181	1982	

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1210	1225	200	3000	N/A	NA	59.41	1235	AW0065UB_WG200812 02_01

Notes: (units) [stabilization criteria] Ferrous Iron 1.02

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008	Date: 12/2/08
Project No.: 1146.053	Prepared by: GMC
Well Identification: AW0067UB	Weather: Cloudy
Measurement Point Description:	Pump Intake: COS / Screen: 70-90

A	B	C	D = C - B	E = B - A	G = D x F	H = 25 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.76	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) =	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED

Purge Method: Micropurge

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
1130	CPM-4	0	200	59.76	21.27	5.74	4.68	5.37	-47	634	Cloudy
1133		600		59.91	21.96	6.05	0.87	4.99	-59	595	
1136		1200		59.90	22.47	6.06	0.53	4.96	-64	572	
1139		1800		59.91	22.51	6.07	0.47	4.97	-65	585	
1142		2400		59.89	22.50	6.09	0.43	5.01	-64	596	
1145		3000		59.90	22.57	6.07	0.41	5.01	-65	587	
1148		3600		59.90	22.60	6.08	0.40	5.00	-64	596	
GMC											

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1130	1148	200	3600	N/A	NA	59.90	1154	AW0067UB.WG20081202.01

Notes: (units) [stabilization criteria] Ferrous Iron 1.52

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/2/08	
Project No.: 1146.053		Prepared by: [illegible]	
Well Identification: AW0064UB		Weather: Clear	
Measurement Point Description: TOC		Pump Intake: CDS	Screen: 68.5 - 88.5

A	B	C	D = C - B	E = B - A	G = D x F	H = 20 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
NA	58.80	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Portable Low-flow

Purge Method: Micropurge

Well Condition: GOOD

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-24-08					22.55	3.07	0.36	6.67	-109	207	
1249	CPM-4	6	200	58.80	21.67	2.95	4.03	6.83	-104	701	Cloudy
1252		600		58.92	22.21	3.67	1.46	6.49	-109	245	
1255		1200		58.97	22.14	3.93	1.27	6.51	-114	109	
1258		1800		58.96	22.25	3.89	1.37	6.42	-116	93.8	
1301		2400		58.95	22.18	3.83	1.56	6.53	-104	86.1	
1304		3000		58.96	22.18	3.81	1.57	6.52	-102	81.3	
1307		3600		58.96	22.19	3.82	1.59	6.53	-101	81.4	

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1249	1307	200	3600	N/A	NA	58.96	1315	AW0064UB_WG200812 02 _01

Notes: (units) [stabilization criteria] Ferrous Iron 1.26

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/2/08	
Project No.: 1146.053		Prepared by: Zmc	
Well Identification: MWB006		Weather: cloudy	
Measurement Point Description: TOC		Pump Intake: 60.5	Screen: 65 - 90

A	B	C	D = C - B	E = B - A	G = D x F	H = 25 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—		—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Portable Low-flow

Purge Method: Micropurge

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-24-08					24.78	7.58	0.14	6.3	-94	54.8	
1325	CPM-4	0	200	60.29	23.04	7.52	3.22	6.39	-73	65	S. Cloudy
1328		600		60.41	23.68	7.49	1.27	6.06	-75	29.0	
1331		1200		60.42	23.99	7.58	2.12	6.04	-74	23.8	
1334		1800		60.45	24.01	7.58	4.03	6.10	-63	31.0	
1337		2400		60.44	24.03	7.58	4.02	6.12	-62	31.2	
1340		3000		60.43	24.02	7.56	4.03	6.12	-63	31.1	

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1325	1340	200	3000	N/A	NA	60.43	1350	MWB006_WG200812 02 _01

Notes: (units) [stabilization criteria] Ferrous Iron 2.13

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/3/08	
Project No.: 1146.053		Prepared by: BCB	
Well Identification: IRZCMW001		Weather: Overcast / Cool	
Measurement Point Description: TOC-N		Pump Intake: 60s	Screen: 92 - 117

A	B	C	D = C - B	E = B - A	G = D x F	H = 25 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.15	117	57.85	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 4	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-23-08					22.77	1.261	0.36	7.01	-50	3.6	
0925	10/5s @65psi	—	250	59.15	21.35	1.480	3.43	6.71	-132	1.32	colorless
0928	↓	750	↓	59.17	22.22	1.325	0.78	7.03	-214	2.03	"
0931		1500		59.17	22.25	1.326	0.31	7.07	-182	2.17	"
0934		2250		59.18	22.31	1.327	0.20	7.08	-160	2.34	"
0937		3000		59.20	22.33	1.327	0.18	7.08	-155	1.11	"
0940	↓	3750	↓	59.22	22.34	1.327	0.17	7.08	-152	0.21	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0925	0940	250	3.75	N/A	NA	59.22	0940	IRZCMW001_WG200812 03 _01

Notes: (units) [stabilization criteria]

Dups collected

Ferrous Iron = 0.27

DUP: IRZCMW001_WG200812 03 _02
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/3/08	
Project No.: 1146.053		Prepared by: BCB	
Well Identification: IRZCMW002		Weather: Overcast / Cool	
Measurement Point Description: TOC-N		Pump Intake: 105	Screen: 96 - 121

A	B	C	D = C - B	E = B - A	G = D x F	H = 25 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	63.28	121	57.72	—	N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 4	0.75	2	4	6	
F - Gallons per foot of casing	0.02	0.16	0.65	1.47	

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-23-08					21.24	1.86	0.39	6.35	-70	2.9	
0820	10/5s @75psi	—	250	63.28	20.92	1.92	1.33	6.49	-175	3.07	colorless
0823	↓	750	↓	63.55	21.09	1.92	0.89	6.50	-200	2.23	"
0826		1500		63.67	21.13	1.89	0.58	6.52	-199	1.73	light yellow
0829		2250		63.69	21.14	1.88	0.57	6.52	-196	1.95	"
0832		3000		63.71	21.14	1.87	0.57	6.53	-195	1.87	"
0835	↓	3750	↓	63.73	21.13	1.87	0.56	6.54	-192	1.92	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0820	0835	~250	~3.75	N/A	NA	63.73	0835	IRZCMW002_WG200812 03 _01

Notes: (units) [stabilization criteria]

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/3/08	
Project No.: 1146.053		Prepared by: BCB	
Well Identification: MWC024		Weather: Clearing / Warm	
Measurement Point Description: TOC-N		Pump Intake: 60'	Screen: 96 - 121

A	B	C	D = C - B	E = B - A	G = D x F	H = 25 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.24	121	61.76	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 4	0.75	2	(4)	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow

Purge Method: Micropurge

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-23-08					22.2	1.402	0.35	6.99	27	7.1	
1111	10/5s @ 70psi	—	~250	59.24	23.37	1.451	1.28	7.19	-37	1.99	colorless
1114	↓	750	↓	59.25	22.89	1.436	0.45	7.10	-34	2.24	"
1117		1500		59.	22.71	1.427	0.23	7.09	-29	2.51	"
1120		2250		59.	22.70	1.422	0.19	7.08	-29	2.11	"
1123		3000		59.	22.71	1.420	0.15	7.07	-28	2.35	"
1126	↓	3750	↓	59.	22.71	1.417	0.12	7.07	-27	2.59	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1111	1126	~250	~3.75	N/A	NA		1126	MWC024_WG200812 03 _01

Notes: (units) [stabilization criteria]

DUP:

DRUM NO:

Ferrous Iron 0.0

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/3/08	
Project No.: 1146.053		Prepared by: DCB	
Well Identification: CMW002		Weather: Clear / Warm	
Measurement Point Description: TOC-N		Pump Intake: CCS	Screen: 99 - 124

A	B	C	D = C - B	E = B - A	G = D x F	H = 25 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	60.65	124	63.35	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 4	0.75	2	(4)	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow

Purge Method: Micropurge

Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-23-08					23.1	0.981	0.34	7	-39	4.1	
1200	10/5s @ 75psi	—	~250	60.65	21.57	1.036	0.19	7.20	-111	0.99	colorless
1203	↓		↓	60.65	21.58	1.036	0.17	7.19	-119	1.37	"
1206				60.65	21.58	1.037	0.20	7.19	-124	1.91	"
1209				60.67	21.59	1.038	0.25	7.18	-132	2.22	"
1212				60.67	21.59	1.038	0.22	7.17	-141	2.46	"
1215	⊥		⊥	60.67	21.60	1.037	0.18	7.17	-159	2.75	"

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1200	1215	~250	3.75	N/A	NA	60.67	1215	CMW002_WG200812 03 _01

Notes: (units) [stabilization criteria]

DUP:

DRUM NO:

Ferrous Iron [redacted] 0.15

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/3/08	
Project No.: 1146.053		Prepared by: [illegible]	
Well Identification: IRZCMW003		Weather: Cloudy	
Measurement Point Description: TOC		Pump Intake: 108	Screen: 92 - 117

A	B	C	D = C - B	E = B - A	G = D x F	H = 25 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	59.23	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 4	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow

Purge Method: Micropurge

Well Condition: O/C

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-23-08					21.73	0.95	0.24	7.21	-34	5	
1126	CM-1	0	600	59.23	23.54	2.05	3.31	6.70	-103	65.9	cloudy
1129		600		59.32	22.52	1.436	3.78	6.77	-92	5.8	cloudy
1132		1200		59.36	22.53	0.493	0.20	7.15	-91	38	clear
1135		1800		59.35	21.53	0.992	0.18	7.17	-95	2.6	clear
1138		2400		59.32	21.54	0.990	0.20	7.18	-79	3.4	
1140		3000		59.36	21.53	0.990	0.19	7.17	-78	3.8	

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + 8	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1126	1140	200	3000	N/A	NA	59.36	1148	IRZCMW003_WG200812 03 _01

Notes: (units) [stabilization criteria]

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/03/08	
Project No.: 1146.053		Prepared by: MAC	
Well Identification: CMW026		Weather: Sunny	
Measurement Point Description: TOC		Pump Intake: 108	Screen: 92 - 117

A	B	C	D = C - B	E = B - A	G = D x F	H = 25 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
	59.12				N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 4	0.75	2	4	6	
F - Gallons per foot of casing	0.02	0.16	0.65	1.47	

Field Equipment: QED, Dedicated Low-flow

Purge Method: Micropurge

Well Condition:

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-23-08					21.94	2.63	0.2	6.67	-132	3.8	
1153	CMW-4	0	200	59.12	21.91	2.56	0.65	7.3	-119	3.5	Clear
1156		600		59.21	21.85	2.33	0.15	6.96	-119	9.1	Clear
1159		1200		59.23	21.93	2.36	0.11	6.80	-123	9.5	Clear
1202		1800		59.24	21.94	2.36	0.09	6.92	-130	4.2	
1205		2400		59.23	21.93	2.35	0.10	6.95	-128	3.1	
1208		3000		59.23	21.94	2.36	0.10	6.98	-129	3.9	
1211		3600		59.23	21.95	2.36	0.09	6.97	-130	4.0	

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1153	1211	200	3600	N/A	NA	59.23	1220	CMW026_WG200812 03 _01

Notes: (units) [stabilization criteria]

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/3/08	
Project No.:	1146.053	Prepared by: SMG	
Well Identification:	AW0073C	Weather: Cloudy	
Measurement Point Description:	TOC	Pump Intake: 105	Screen: 96 - 116

A	B	C	D = C - B	E = B - A	G = D x F	H = 20 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
	60.05				N/A	N/A	N/A	N/A

	Gallons/Foot				
Well Diameter (inches) = 2	0.75	2	4	6	
F - Gallons per foot of casing	0.02	0.16	0.65	1.47	

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-24-08					22.99	0.757	0.18	7.38	-138	4.72	
0800	CPM-4	0	200	60.05	20.01	1.50	6.41	7.16	61	117	clear
0803	↓	600	↓	60.21	21.32	0.851	3.97	7.18	98	83.6	cloudy
0806		1200		60.24	21.42	0.850	2.53	7.13	-51	112.9	cloudy
0809		1800		60.23	21.35	0.889	0.83	6.99	-104	66.6	cloudy
0812		2400		60.25	21.35	0.889	0.78	6.99	-111	55.7	cloudy
0815		3000		60.24	21.36	0.890	0.77	6.98	-110	55.8	↓
0818	↓	3600	↓	60.25	21.36	0.891	0.77	6.95	-112	56.0	↓

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0800	0818	200	3600	N/A	NA	60.25	0825	AW0073C_WG200812 03_01

Notes: (units) [stabilization criteria] Ferrous Iron - 1.46

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/3/08	
Project No.: 1146.053		Prepared by: GMC	
Well Identification: AW0075UB		Weather: Cloudy	
Measurement Point Description: TOC		Pump Intake: 80.50	Screen: 69 - 89

A	B	C	D = C - B	E = B - A	G = D x F	H = 20 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
	59.83				N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	~~2~~	4	6
F - Gallons per foot of casing	0.02	0.15	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-24-08					23.11	3.06	0.05	6.54	-165	3.1	
1020	4	0	200	59.83	22.39	2.70	0.35	6.86	-98	21.5	Cloudy
1023		600		60.01	22.15	2.93	0.61	6.55	-107	12.5	Cloudy
1026		1200		60.04	22.11	2.94	0.37	6.52	-115	10.3	Cloudy
1029		1800		60.04	22.13	2.94	0.31	6.51	-118	7.4	Cloudy
1032		2400		60.05	22.07	3.01	0.24	6.49	-122	6.5	Cloudy
1035		3000		60.04	22.10	3.09	0.20	6.42	-124	7.9	Cloudy
1038		3600		60.05	22.11	3.10	0.18	6.42	-125	6.8	Cloudy
1042		4200		60.04	22.11	3.09	0.17	6.48	-124	5.4	Cloudy

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
1020	1042	200	4.00	N/A	NA	60.04	1050	AW0075UB_WG200812 03 _01

Notes: (units) [stabilization criteria] Temp: ±0.1 pH: ±0.1

DUP:
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/3/08	
Project No.: 1146.053		Prepared by: [illegible]	
Well Identification: AW0076UB		Weather: Cloudy	
Measurement Point Description: TOC		Pump Intake: 105	Screen: 69 - 89

A	B	C	D = C - B	E = B - A	G = D x F	H = 20 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	60.32	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow
Purge Method: Micropurge
Well Condition: Good

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-24-08					22.97	3.78	0.03	6.75	-166	3.94	
0945	CPM-4	0	200	60.32	22.10	3.05	3.72	6.81	-130	128	cloudy
0948		600		60.41	21.84	3.75	0.73	6.60	-140	41.5	s cloudy
0951		1200		60.42	21.88	3.81	0.26	6.58	-142	20.6	s cloudy
0954		1800		60.45	21.89	3.83	0.14	6.58	-150	4.6	clear
0957		2400		60.44	21.90	3.82	0.12	6.58	-152	5.1	clear
1000		3000		60.44	21.89	3.81	0.09	6.58	-151	3.9	
1003		3600		60.43	21.88	3.82	0.10	6.59	-150	3.8	

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0945	1003	200	3600	N/A	NA	60.43	1010	AW0076UB_WG200812 03 _01

Notes: (units) [stabilization criteria] Errors Iron 1.14

DUP: AW0076UB_WG200812 03 _02
DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/3/08	
Project No.:	1146.053	Prepared by: [illegible]	
Well Identification:	AW0077UB	Weather: Cloudy	
Measurement Point Description: TOC		Pump Intake: 62.3	Screen: 70.5 - 85.5

A	B	C	D = C - B	E = B - A	G = D x F	H = 15 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
	60.62				N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 2	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow

Purge Method: Micropurge

Well Condition:

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-24-08					22.72	3.37	0.05	6.61	-193	4.27	
0910	100%	0	200	60.62	21.49	3.14	1.36	6.71	-130	62.5	Cloudy
0913		1000		60.81	21.70	3.61	0.26	6.51	-153	49.0	Cloudy
0916		1700		60.79	21.68	3.42	0.24	6.50	-157	61.1	Cloudy
0919		1800		60.79	21.73	3.56	0.16	6.48	-167	35.5	Cloudy
0922		2400		60.80	21.69	3.55	0.16	6.49	-170	20.1	Cloudy
0925		3000		60.80	21.70	3.57	0.17	6.50	-169	11.6	Clear

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
		200	3000	N/A	NA	60.80	0934	AW0077UB_WG200812 03 _01

Notes: (units) [stabilization criteria] Ferrous Iron 0.97

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/3/08	
Project No.:	1146.053	Prepared by:	
Well Identification:	EWB002	Weather:	
Measurement Point Description: TOC		Pump Intake:	Screen: 60 - 90

A	B	C	D = C - B	E = B - A	G = D x F	H = 30 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
	60.36				N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 6	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED, Dedicated Low-flow

Purge Method: Micropurge

Well Condition: Good / missing cap

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-24-08					23.03	2.99	0.1	6	-161	2.02	
0835	APM-4	0	200	60.36	20.66	1.72	5.68	7.10	-88	275	cloudy
0838		600		60.30	21.93	2.82	1.32	6.52	-100	110	cloudy
0841		1200		60.53	22.21	2.89	6.37	6.51	-111	81.3	cloudy
0844		1800		60.52	22.30	2.89	0.28	6.51	-113	74.8	cloudy
0847		2400		60.51	22.27	2.90	0.27	6.51	-113	73.2	cloudy
0850		3000		60.50	22.28	2.91	0.27	6.55	-114	73.6	
0853		3600		60.50	22.29	2.90	0.28	6.51	-115	73.1	

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0835	0853	200	3600	N/A	NA	60.50	0900	EWB002_WG200812 05 _01

Notes: (units) [stabilization criteria] Ferrous Iron 1.83

DUP:

DRUM NO:

AVOCET ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA SHEET

Project Name: Boeing Former C-6 Facility, WDR Sampling, December 2008		Date: 12/3/08	
Project No.: 1146.053		Prepared by: Fmc	
Well Identification: WCC_12S		Weather: Cloudy	
Measurement Point Description: TOC		Pump Intake: 20.3	Screen: 60 - 90

A	B	C	D = C - B	E = B - A	G = D x F	H = 30 x F	I = (top screen-B) x F	
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One Casing Volume (gallons)	Screen Volume (gallons)	Above Screen Volume (gal.)	Total Purge Volume (gal.)
—	58.01	—	—	—	N/A	N/A	N/A	N/A

	Gallons/Foot			
Well Diameter (inches) = 4	0.75	2	4	6
F - Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: QED. Dedicated Low-flow
Purge Method: Micropurge
Well Condition:

Time	Flow Controller Settings	Volume Purged (Liters)	Flow Rate (mL/min)	Water Level (ft-bmp)	Temperature (°C) [+/- 10%]	Conductivity (mS/cm) [+/- 10%]	Dissolved Oxygen (mg/L) [+/- 10%]	pH [+/- 0.1 pH]	ORP (mV) [+/- 10%]	Turbidity (NTU) [+/- 10%]	Observations
Previous Stabilized Parameters: 09-24-08					21.79	1.73	6.42	7.36	104	1.32	
0725	00M-4	0	200	58.01	20.14	1.82	9.79	6.43	96	20.9	S. Cloudy
0728		600		58.26	21.15	1.79	0.71	6.65	92	12.2	
0731		1200		58.25	21.19	1.79	1.61	6.82	93	8.1	clear
0734		1800		58.24	21.26	1.81	6.40	6.96	87	7.4	
0737		2400		58.25	21.25	1.80	6.46	6.95	86	6.3	
0740		3000		58.24	21.26	1.81	6.45	6.96	87	6.5	

Purge Start Time	Purge End Time	Average Flow (mL/min)	Total Volume Purged (Liters)	Total Casing Volumes Purged	80% Recovery Water Level Depth (Dx0.20) + B	Water Level at Sampling Time (ft bmp)	Sample Collection Time	Sample Identification
0725	0740	200	3000	N/A	NA	58.24	0745	WCC_12S_WG200812 03 _01

Notes: (units) [stabilization criteria] Ferrous iron 0.69

DUP:
DRUM NO:

Appendix B

IDW Manifests

AVOCET
ENVIRONMENTAL, INC.

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number: NOT REQUIRED	2. Page 1 of 1	3. Emergency Response Phone: 888-423-6000	4. Waste Tracking Number: 018532

GENERATOR

5. Generator's Name and Mailing Address: Dearing Realty Corporation, 4501 E Conant Street, Long Beach, CA 90808

Generator's Site Address (if different than mailing address): BRC - Former C6 Facility, 1461 Knox Street, Torrance, CA 90501

Generator's Phone:

6. Transporter 1 Company Name: American Integrated Services, Inc. — U.S. EPA ID Number: CAR000146338

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Gibbby & Clayton, Inc., 1630 W. 16th Street, Long Beach, CA 90813 — U.S. EPA ID Number: CAD009409010

Facility's Phone: 562-432-5445

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-Hazardous Waste Liquid	1	TT DOT	100	G	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

Wear protective equipment while handling. Weights or volumes are approximate. 24 hour emergency number (888) 423-6000 (AIS Dispatcher).

2 x 55 Gallons

Profile #: 27578
Project #: 28085-201

2 drums

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Scott Latimore — Signature: [signature] — Month 11 Day 19 Year 08

INT'L

15. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit:

Transporter Signature (for exports only): — Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Antonio Rodriguez — Signature: [signature] — Month 11 Day 19 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

H135

18. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Emilio Cabrera — Signature: [signature] — Month 11 Day 20 Year 08

169-BLC-O 6 10498

TRANSPORTER #1

BOE-C6-0057801

C-6

E0365-1L21-880

RS American Waste
1449 West Rosecrans
Gardena, CA
310-527-6980

Ticket: 302636
Date: 12/17/2008
Time: 15:47:33-16:00:59
Scale
Gross: 9860 LB 1 In Scale
Tare: 7620 LB 1 Out Scale
Net: 2240 LB
Net Tons: 1.12

Customer: 5090022/Credit Card Customers
Truck: 2
Trailer:
Origin: /
Truck Type: Truck

Comment:

Origin	Materials & Services	Quantity	Unit	Rate	Amount
LATD/Torrence	100% of 3015/External Com T	1.12	Tons	$71.36/Ton	$79.92

Total Amount: $79.92
Master Card: : $79.92
Change: $0.00

I am responsible for damage and injuries.
Load has no liquid or hazardous waste

Driver:

Attendant: GUILLERMO RASCON

E0365-1L21-880 A. Perez

AFELY 250

C-6

E0366 - ILZI-880

RS American Waste
1449 West Rosecrans
Gardena, CA
310-527-6980

Ticket: 302660
Date: 12/17/2008
Time: 16:51:28-16:52:39
Scale
Gross:10580 LB 1 In Scale
Tare: 7420 LB M Out Manual Wt
Net: 3160 LB
Net Tons: 1.58

Customer: 5090022/Credit Card Customers
Truck: 4
Trailer:
Origin: /
Truck Type: Truck

Comment:

Origin	Materials & Services	Quantity	Unit	Rate	Amount
LATD/Torrence	100% of 3015/External Com T	1.58	Tons	$71.36/Ton	$112.75

Total Amount: $112.75
Master Card: : $112.75
Change: $0.00

I am responsible for damage and injuries.
Load has no liquids or hazardous waste

Driver:

Attendant: GUILLERMO RASCON

E0366 ILZI-880 A Gr

BOE-C6-0057803