2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE

BRC CORRECTIVE ACTION MANAGEMENT UNIT (CAMU) AREA CLARK COUNTY, NEVADA

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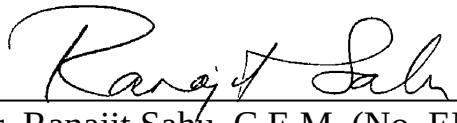
I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state, and local statutes, regulations, and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.



March 25, 2010

Dr. Ranajit Sahu, C.E.M. (No. EM-1699, Exp. 10/07/2011) Date
BRC Project Manager

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ACRONYMS AND ABBREVIATIONS

amsl	above mean sea level
ATL	Advanced Technology Laboratories
BCL	Basic Comparison Level
bgs	below ground surface
BRC	Basic Remediation Company
btoc	below top of casing
CAMU	Corrective Action Management Unit
COC	chain of custody
CSM	Conceptual Site Model
DBS&A	Daniel B. Stephens & Associates, Inc.
DNAPL	dense non-aqueous phase liquid
DVSR	Data Validation Summary Report
ERM	ERM-West, Inc.
FSSOP	Field Sampling and Standard Operating Procedures
GEL	General Engineering Laboratories
GMP	Groundwater Monitoring Plan
LCS	laboratory control sample
LDC	Laboratory Data Consultants, Inc.
MCL	Maximum Contaminant Level
MS/MSD	matrix spike/matrix spike duplicate
NDEP	Nevada Division of Environmental Protection
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
QA	quality assurance
Qal	Quaternary alluvium
QAPP	Quality Assurance Project Plan
QC	quality control
SOP	Standard Operating Procedure
STA	Slit Trench Area
SVOC	semi volatile organic compound
TCDD	2,3,7,8-tetrachlorodibenzo-*p*-dioxin
TDS	total dissolved solids
UMCf	Upper Muddy Creek formation
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound

1.0 INTRODUCTION

Basic Remediation Company (BRC) has prepared this Annual Groundwater Monitoring Report to summarize the data collected during four quarters of monitoring in 2009 at the BRC Corrective Action Management Unit (CAMU) that is currently being constructed at BRC-owned property in Clark County, Nevada, under the oversight of the Nevada Division of Environmental Protection (NDEP). The activities associated with the first three quarters of 2009 are described in the following previous reports:

- *CAMU Groundwater Monitoring Report, 1st and 2nd Quarters 2009 - BRC Corrective Action Management Unit (CAMU) Area*, submitted by BRC and ERM-West, Inc, (ERM) in September 2009 (BRC and ERM 2009a); and

- *CAMU Groundwater Monitoring Report, 3rd Quarter 2009 - BRC Corrective Action Management Unit (CAMU) Area*, submitted by BRC and ERM in November 2009 (BRC and ERM 2009b).

This report describes activities and data collected during the CAMU Area monitoring performed during the fourth quarter of 2009, and summarizes the findings from all four quarters of 2009. This monitoring event was performed in accordance with *Groundwater Monitoring Plan – Corrective Action Management Unit (CAMU) Area* (GMP; Daniel B. Stephens & Associates, Inc. [DBS&A] 2008), which was approved by NDEP on December 17, 2008.

This revision of the report, Revision 1, incorporates comments received from the NDEP, dated February 23, 2010, on Revision 0 of the report, dated February 2010. This report also incorporates comments received from the NDEP on the prior 2009 CAMU monitoring reports. The NDEP comments and BRC's response to these comments are included in Appendix A. Also included in Appendix A is a redline/strikeout version of the text showing the revisions from the February 2010 version of the report. An electronic version of the entire report, as well as original format files (MS Word and MS Excel) of all text and tables are included in Appendix B.

The general purpose of the CAMU groundwater monitoring program is to collect baseline groundwater data in the CAMU area, against which the potential for impacts to groundwater quality due to CAMU construction can be assessed in the future. This first section summarizes the site conditions and content of the report.

1.1 SITE LOCATION AND DESCRIPTION

The CAMU is located within the boundaries of property owned and operated by BRC, in an area formerly designated as the Clark County Industrial Plant Area (Figure 1-1). The northern boundary is approximately defined by the northern limit of the closed BMI Landfill. The CAMU is bordered by the following former and present industrial facilities of the BMI Industrial Complex:

- To the north and east – by property owned by Tronox (successor to Kerr-McGee Chemical LLC); Olin Chlor Alkali Products (Olin)/Montrose and Tronox operate off-site groundwater extraction, treatment, and re-injection systems to the north and to the east of the CAMU, respectively. The Olin/Montrose system is partially located on BRC property;
- To the south – by the former Pioneer Chlor-Alkali Company, Inc., facility, now owned by Olin; and
- To the west - additional historical BRC property, recently sold to other entities (Parcel 5/6).

Historical features within the CAMU boundaries include the following:

- The closed BMI Landfill;
- The former Borrow Area (Borrow Pit);
- The Western Ditch Area and Western Ditch Extension; and
- The Slit Trench Area (STA).

Chemical manufacturing, storage, handling, distribution, and waste disposal facilities have historically operated south (upgradient) of the CAMU (Figure 1-2). These operations are documented to have resulted in soil and groundwater impacts with volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), dioxins/furans, organic acids, total dissolved solids (TDS), pesticides, perchlorate, and metals. Additional upgradient soil impacts may exist.

Groundwater beneath the CAMU has also been impacted with many of the chemicals detected in upgradient soils and/or groundwater, suggesting that chemicals from upgradient off-site locations have migrated northward and beneath the CAMU Site. However, chemical data associated with

deep CAMU soils and groundwater suggest that there may also be some contribution of chemicals from the CAMU area to groundwater.

To reduce the potential for chemical leachate in the CAMU area to migrate to and impact groundwater, BRC has recently covered and capped buried waste in the north and south landfill lobes, and surface liquids were removed from ditches. With NDEP-approval,[1] impacted materials within and around the Western Ditch, Western Ditch Extension, and Slit Trench Area and other unknown wastes in the area (*i.e.*, within the northeast and northwest detention basins and an additional previously unknown ditch) were also excavated and removed to minimize potential impacts to groundwater quality.

The CAMU Conceptual Site Model (CSM) report prepared in 2007 presents detailed information regarding historical site operations, the results of prior investigations, and site impacts (BRC and DBS&A 2007).

1.2 SITE HYDROGEOLOGY

The CAMU is located on alluvial fan sediments, with a surface that slopes to the north-northeast at a gradient of approximately 0.02 foot per foot (ft/ft) towards the Las Vegas Wash. Regional drainage is generally to the east.

The uppermost strata beneath the CAMU consist of alluvial sands and gravels derived primarily from the volcanic source rocks in the McCullough Range, located to the southwest of the CAMU. These uppermost alluvial sediments were deposited within the last two million years and are of Quaternary age, and are thus mapped and referred to as the Quaternary alluvium (Qal; Carlsen *et al*. 1991). The Qal is typically on the order of 30 to 70 feet thick at the Site with variations due, in part, to the non-uniform contact between the Qal and the underlying Upper Muddy Creek Formation (UMCf). As described in the GMP (DBS&A 2008), three erosional paleochannels (two major channels and one minor channel) are interpreted as being incised into the UMCf surface in the CAMU area, and increase the local Qal thickness accordingly.

The UMCf underlies the Qal. The Muddy Creek formation, of which the UMCf is the uppermost part, is a lacustrine deposition from the Tertiary Age, and it underlies much of the Las Vegas

[1] Documents describing the approved excavation and disposal operations include: *Corrective Action Plan* dated September 2006 (approved by NDEP September 25, 2006), *Record of Decision – Remediation of Soil in the Slit Trench Area of the BMI Common Areas* (NDEP issuance September 17, 2007), and *Permit for Hazardous Remediation Waste Management Activity* (issued by NDEP September 24, 2007).

Valley. It is more than 2,000 feet thick in places. The lithology of the UMCf underlying the CAMU is typically fine-grained (sandy silt and clayey silt), although layers with increased sand content are sporadically encountered. These UMCf materials have typically low permeability, with hydraulic conductivities on the order of 10^{-6} to 10^{-8} centimeters per second (Weston 1993). The UMCf in the CAMU area was encountered at depths ranging from 30 feet to 70 ft below ground surface (bgs), and extending to the maximum explored depth of 200 feet bgs.

Two distinct, laterally continuous water-bearing zones are present within the upper 400 feet of the Site subsurface:

(1) An upper, unconfined water-bearing zone (referred to as the Shallow Zone[2]). The Shallow Zone is typically encountered within the Qal at the CAMU; however, this zone is first encountered within the uppermost UMCf in the eastern portion of the CAMU area. The water surface in the Shallow Zone generally follows topography, with the water surface sloping towards the Las Vegas Wash.

(2) A deep, confined water-bearing zone that occurs in a sandier depth interval within the silts of the deeper UMCf (referred to as the Deep Zone).

Between these two distinct water-bearing zones, a series of saturated sand stringers were sporadically and unpredictably encountered during drilling (referred to as the Middle Zone).

As presented in the GMP, structure contours of the UMCf contact have delineated two relatively major paleochannels (one west of the CAMU and one traversing the center of the CAMU) and one relatively minor paleochannel near the northeast corner of the CAMU (Figure 1-2). Although preferred groundwater flow and chemical transport might be expected to be associated with these paleochannels, the GMP concluded that the Shallow Zone groundwater flow pattern for the area did not indicate that these paleochannels affected groundwater flow near the CAMU. However, the GMP indicated that regional isoconcentration contour maps for various Site-related chemicals suggested that off-site sources are impacting the CAMU area from the south in a northerly flow direction consistent with the direction of the paleochannel thalweg (DBS&A 2008).

[2] Note: hydrogeologic and lithologic nomenclature is based on NDEP (2009a).

According to previous groundwater monitoring, the depth from the surface to first groundwater at the Site is approximately 30 to 50 feet bgs. Wells completed in the Shallow Zone are not highly productive, with sustainable flows typically less than five gallons per minute.

1.3 REPORT CONTENT AND ORGANIZATION

This report provides tabulated and graphical presentations of groundwater data collected during the 4th Quarter 2009 groundwater monitoring event conducted in the CAMU Area. In addition, in this annual report, interpretation of all the 2009 results is also provided. Following this introductory section, this report includes the following:

- Section 2 describes the activities during the 4th Quarter 2009 groundwater monitoring event, including inspection and depth to water measurements, sample collection, equipment decontamination, management of investigation-derived waste, the analytical procedures, and data review and validation procedures;
- Section 3 presents the results of the 4th Quarter 2009 groundwater monitoring event, including groundwater depth and flow direction and chemical detections;
- Section 4 provides an interpretation of potentiometric and chemical occurrence trends over time, based on the results from the four quarters of monitoring;
- Section 5 presents recommendations for future monitoring events, associated with (1) filling data gaps associated with the baseline monitoring program; and (2) long-term monitoring to assess whether CAMU operations are impacting groundwater quality.
- Section 6 provides a list of references used in the preparation of this report.

Figures and tables summarizing the monitoring well details, scope, and findings of the monitoring event follow the main text. Appendix B provides the historical project database for the CAMU monitoring program and an electronic version of this report (on CD). Hydrographs and concentration trend graphs (selected constituents) for all the CAMU monitoring wells are presented in Appendices C and D, respectively. In addition, Appendix E provides figures depicting occurrence patterns for selected constituents across the CAMU area for all four 2009 groundwater monitoring events.

2.0 GROUNDWATER MONITORING PROGRAM

Groundwater monitoring and sampling procedures were performed as specified in the GMP (DBS&A 2008), and in accordance with associated project-specific *Field Sampling and Standard Operating Procedures* (FSSOP; BRC, ERM and MWH 2009) and the *BRC Quality Assurance Project Plan* (QAPP; BRC and ERM 2009c).

The following sections briefly describe the field procedures and analytical program implemented by BRC contractors during field activities associated with the CAMU 4th Quarter 2009 groundwater monitoring event.

2.1 CAMU MONITORING WELL NETWORK

As specified in the GMP (DBS&A 2008), 29 wells are included in the monitoring program for the CAMU area, as summarized in Table 2-1 and depicted on Figure 2-1. Construction details for these CAMU Area wells are provided in Table 2-2. As seen in Tables 2-1 and 2-2, the majority of the wells (20) are screening in the Shallow Zone. In addition to those Shallow Zone wells, five wells in the monitoring program are screened in the Middle Zone, and four wells are screened in the Deep Zone.

Table 2-3 identifies the monitoring activities that are associated with each well under the GMP. For fifteen of these CAMU Area wells (all Shallow Zone), per the GMP, quarterly monitoring was to be performed by BRC. For the remaining fourteen wells (a combination of Shallow, Middle, and Deep zone wells), data collected by upgradient Companies as part of separate on-going monitoring programs were to be used to augment BRC's CAMU area data. It should be noted that three wells listed in the GMP as proposed wells were installed in June 2009 (MC-MW-31, MC-MW-30, and DMC-MW-28, respectively). Construction details for these wells are provided in Table 2-2. Water level data were collected during the 4th Quarter 2009 groundwater monitoring event for all wells specified in the GMP, except MC80, which could not be located and is presumed destroyed.

According to the GMP, the following wells were to be sampled by Companies other than BRC:

- Shallow: AA-BW-08A, AA-BW-12A, AA-MW-07, EC-2, and MCF-BW-11A;
- Middle: MC-MW-10, MC-MW-11, MC-MW-12, MC-MW-31, and MC-MW-30; and
- Deep: MW-8, DMC-MW-28, TR-11, and TR-12.

However, the finalized upgradient Companies' monitoring programs did not include several of the wells specified in the GMP for sampling by the Companies. Therefore, during the 4th Quarter 2009 groundwater monitoring event, as noted in Table 2-3, BRC collected samples from the following wells for analysis:

- AA-BW-08A
- AA-BW-12A
- AA-MW-07
- EC-2
- M7B[3]
- MCF-BW-11A
- MC-MW-12

The upgradient Companies provided water level data and chemical data to BRC for the other wells listed above.

2.2 FIELD MEASUREMENTS

Field measurements, including depth to water, thickness of free product, and depth of well, were performed in accordance with procedures described in the project specific Standard Operating Procedure (SOP) (SOP-5 - Water Sampling and Field Measurements).

During the CAMU 4th Quarter 2009 groundwater monitoring event, water level measurements and groundwater samples were collected by BRC between October 20, 2009, and November 17, 2009. In addition, the upgradient Companies collected water level measurements between October 12, 2009, and October 14, 2009. Equipment used and the various observations and measurements collected during well purging activities for the CAMU 4th Quarter 2009 groundwater monitoring event were recorded by the BRC field crew on Monitoring Well Low-Flow Purge/Sampling Forms, copies of which are provided in Appendix C for the wells monitored by BRC.

Water level measurements provide a measure of water potential (hydraulic head) at specific geographic locations and depths beneath the CAMU. The primary purpose for measuring CAMU area water levels in the monitoring wells is to determine horizontal groundwater flow directions and gradients. These measurements were converted to elevations relative to a standard datum (*i.e.*, mean sea level, which is used for the Site) and posted on a map, and were contoured to

[3] As specified in the GMP, BRC and the Upgradient Companies are both to sample this well, for analysis for different parameters. Because the Upgradient Companies did not sample this well, BRC ran analyses for all required parameters.

prepare potentiometric surface maps, which indicate the direction of groundwater flow. Horizontal gradients are calculated as the difference in groundwater elevations between wells screened in the same monitoring zone divided by the horizontal distance between the wells. The horizontal gradients indicate the horizontal direction of groundwater flow, from higher to lower elevations. The results of the water level measurements collected during the CAMU 4th Quarter 2009 groundwater monitoring event are discussed in Section 3.1.

2.3 SAMPLE COLLECTION

BRC and upgradient Companies contractors used the micro-purge and sampling methodology for the CAMU 4th Quarter 2009 groundwater monitoring event, as established and implemented during quarterly monitoring events at the BMI Common Areas (Eastside) Site.

Most of the BRC-owned wells sampled during the monitoring event were equipped with QED® Well Wizard (A-system) dedicated bladder pumps for the monitoring and sampling of wells at the Site. QED® MP10H high pressure micro-purge controllers were used during the event. The Well Wizard A-system was installed in all Shallow Zone wells due to their relative shallow well design (less than 100 feet deep). Generally, pump (sample) intakes were installed approximately 1 to 3 feet from the bottom of the wells. Six non-BRC wells and BRC-owned well MCF-BW-08 were monitored and sampled using a QED® brand SamplePro portable bladder pump system. The portable pump (sample) intakes were generally placed near the bottom of the screen interval for groundwater monitoring and sampling collection. Well purging details and sampling summary data are presented in Appendix C.

During a prior sampling event, dense non-aqueous phase liquid (DNAPL) was observed in well AA-BW-08B. Evidence of DNAPL was not observed in this or any of the other wells monitored during the CAMU 4th Quarter 2009 groundwater monitoring event. It should be noted that the upgradient Companies have reported false positive DNAPL readings based on the density of the groundwater relating to TDS concentrations. The upgradient Companies have also reported fouling of DNAPL probes due to this issue. The upgradient Companies have also reported that the high TDS water has been found to be denser than the site-related DNAPLs. BRC has discussed these issues with the upgradient Companies and has modified the field protocols to address these site-specific issues.

Sampling and field measurement procedures were performed in accordance with the standard sampling and documentation procedures developed for performing water level measurements and monitoring well sampling, well maintenance, general field operations, and instrument

calibration, as presented in the GMP and the BRC FSSOP (BRC, ERM and MWH 2009). Adherence to these procedures promotes consistency in field procedures and comparability of data collected over time.

Field quality control (QC) measures implemented during the 4th Quarter 2009 groundwater monitoring event were performed according to BRC QAPP requirements and BRC FSSOP. The QC sample frequencies and field QC measures included:

- Collection of field duplicates, at a frequency corresponding to approximately 10 percent of the samples (two samples per event); field duplicates were collected from wells AA-BW-04A and AA-BW-05A during the CAMU 4th Quarter 2009 groundwater monitoring event;
- Collection of equipment blanks, at a frequency corresponding to approximately 10 percent of the samples collected using non-dedicated or non-disposable equipment (1 sample per event);
- Procurement and use of trip blanks, at a frequency of one per shipping container containing samples for VOC analysis;
- Providing accurate, detailed field documentation; and
- Proper sample packaging and shipment under chain of custody (COC) procedures.

2.4 DECONTAMINATION PROCEDURES

Equipment decontamination was performed to minimize the potential for cross contamination between wells or investigation and sampling locations. Decontamination procedures were used for all non-dedicated, non-disposable equipment. BRC SOPs were followed to ensure proper decontamination of sampling equipment.

Decontamination equipment was prepared at each well location for cleaning sampling equipment. Supplies included five-gallon buckets, bottle brushes, potable water, distilled water, and non-phosphate cleaning solution (Liquinox™/Alconox™).

Prior to and after use at each location, all groundwater sampling equipment was washed in a non-phosphate cleaning solution, rinsed with potable water, and then rinsed twice with distilled water.

Submersible pumps and downhole equipment were cleaned prior to and after use at each location during groundwater sampling activities as described above. Decontamination water was

transferred into secured and properly labeled Department of Transportation-approved 55-gallon steel drums located on-site at a centralized collection area.

2.5 MANAGEMENT OF INVESTIGATION-DERIVED WASTE

During the CAMU 4th Quarter 2009 groundwater monitoring event, all purge and decontamination water resulting from groundwater sampling was temporarily contained on-site in 55-gallon drums. All drums were labeled by field personnel to identify contents, date, and source location. BRC has subsequently disposed of these sampling wastes. Information of this disposal has been provided separately to the NDEP.

2.6 ANALYTICAL PROGRAM

Analytical procedures for the CAMU 4th Quarter 2009 groundwater monitoring event were implemented according to the BRC QAPP. The list of chemicals and analytical methods for the CAMU monitoring events is provided in Table 2-4. The QAPP specifies the project-specific detection and quantitation limits, calibration and calibration verification, and QC procedures and specifications. The QAPP also requires that analyses be performed according to the method-specific SOPs, which have also been revised to be site specific stand-alone documents. Analytical laboratories performing analyses for the Site have Nevada State certification for the methods performed.

The following sections summarize the groundwater analytical program conducted for the 2009 CAMU groundwater monitoring events. Additional detail about the analytical program is provided in the GMP (DBS&A 2008). Analytical methods used during the program were selected based on data requirements for investigating Comprehensive Environmental Response, Compensation, and Liability Act sites and for conducting human health and ecological risk assessment, and to provide data to evaluate impacts to groundwater and surface water quality. The analytical methods used are primarily referenced U.S. Environmental Protection Agency (USEPA)-approved testing procedures. The sampling team followed method-prescribed requirements for sample containers, preservation, and holding times, as summarized in Table 2-5. Samples were packaged and shipped with proper COC documentation to the analytical laboratories as described in the BRC FSSOP and QAPP.

Groundwater samples from 26 monitoring wells were analyzed for a broad spectrum of chemical analytes and chemical classes during the CAMU 4th Quarter 2009 groundwater monitoring event. The samples were analyzed for general chemistry parameters, cations/anions, total metals,

hexavalent chromium, perchlorate, radionuclides, VOCs, SVOCs, organochlorine pesticides, PCBs, dioxins/furans, methyl mercury, and white phosphorus. Analyses were performed as specified in the GMP for the wells sampled by BRC, with the following exceptions:

- Analyses for dioxins/furans and PCBs (with congeners) were performed for samples collected from wells AA-BW-01A, -02A, -03A, and -07A, despite their not being specified in the GMP for these four wells;
- The upgradient Companies collected a sample from well H-21R for VOC analysis; BRC collected samples for the remaining analyses specified in the GMP.

Analytical results are described in Section 3.2.

2.7 ANALYTICAL LABORATORIES

The following Nevada-certified laboratories were utilized during the CAMU 4th Quarter 2009 groundwater monitoring event:

Laboratory Name	Location	Analyses Performed
TestAmerica Laboratories (TA St. Louis)	Earth City, Missouri	Alkalinity, Anions, Ion Balance, TDS, Metals/Hardness, Organo-chlorine Pesticides, VOCs
TestAmerica Laboratories (TA West Sacramento)	West Sacramento, California	PCBs, Dioxins/Furans
TestAmerica Laboratories (TA Irvine)	Irvine, California	Chlorite
General Engineering Laboratories (GEL)	Charleston, South Carolina	Perchlorate, SVOCs, PAHs, Radionuclides, Radon
Advanced Technology Laboratories (ATL)	Las Vegas, Nevada	Hexavalent Chromium
Brooks Rand Labs	Seattle, Washington	Methyl Mercury
ALS Laboratory Group (formerly DataChem Laboratories)	Salt Lake City, Utah	White Phosphorus

2.8 QUALITY ASSURANCE/QUALITY CONTROL

Measurement data were consistently assessed and documented to determine whether objectives were met. The review assesses data quality and identifies potential limitations on data use. The data quality review process provides information on overall method performance and data usability. Section A7 of the BRC QAPP defines the basis for assessing the elements of data quality. Laboratory data and data quality review reporting procedures and formats are also addressed in Section A7 of the BRC QAPP.

Quality assurance (QA) activities include performing technical systems audits, performance audits, and data validation at the frequency recommended in the BRC QAPP. Field audits are not required, but may be performed in the event significant discrepancies are identified that warrant evaluation of field practices. No field audits were performed during the CAMU 4th Quarter 2009 groundwater monitoring event.

As discussed in Section 2.3, various types of QC samples were collected to aid in evaluating the analytical data quality, including field duplicate groundwater samples and equipment blank samples, which were analyzed for the broad suite of analytes included in the CAMU monitoring program. In addition, trip blanks were prepared by the laboratory and were included in each groundwater sample shipment containing VOCs, for analysis of VOCs.

2.9 DATA REVIEW AND VALIDATION

The data generated during the CAMU 4th Quarter 2009 groundwater monitoring event were subjected to a data review in accordance with the QAPP, SOP-40 (*Data Review/Validation*; FSSOP), USEPA National Functional Guidelines (USEPA, 1999, 2001, 2004, 2005, and 2008), and the NDEP *Supplemental Guidance on Data Validation* (NDEP 2009b,c), *Additional Guidance on Completion of Quality Checks for Cation-Anion Balance* (NDEP 2007), and *Cation-Anion Balance – Updated Guidance* (NDEP 2009d). These guidance documents provided direction for the data review and validation activities conducted for data collected during these events.

All of the data were subjected to a Stage 2B review. Stage 2B data validation consisted of a manual review of all parameters related to sample analysis, including holding times, instrument performance check (as applicable), initial calibration, continuing calibration, blank contamination, laboratory control sample (LCS), matrix spike/matrix spike duplicate (MS/MSD), surrogates and internal standards (as applicable), and compound identification. In addition to the Stage 2B review, 20 percent of all data collected during the course of the investigation were

subject to full Stage 4 data validation. Stage 4 data validation consisted of review of all parameters reviewed as part of the Stage 2B review with additional review of the raw data including chromatograms, log books, quantitation reports, and spectra. Data validation qualifiers and reason codes used during this process are summarized in Table 2-6. Laboratory Data Consultants (LDC) was subcontracted to conduct all the data validation. A Data Validation Summary Report (DVSR) for all data collected during the CAMU 4th Quarter 2009 groundwater monitoring event (DVSR 55d) has been prepared and submitted separately as a stand-alone report by BRC and ERM (2009d). DVSR 55d was approved by the NDEP on January 30, 2010.

Subsequent to the data validation, ERM observed anomalously elevated perchlorate detections for the 4th Quarter 2009 groundwater monitoring event for certain wells (*e.g.*, AA-BW-04A, AA-BW-05A, H-21R, and H-28). Perchlorate detections reported for these four wells during the 4th Quarter 2009 groundwater monitoring event ranged from 1,810 µg/L to 12,900 µg/L, whereas prior events had consistently reported non-detections. BRC initiated investigation of potential analytical explanations for these anomalous detections. The laboratory re-ran the samples and while the results were confirmed, it was more apparent that there were matrix interferences in these samples. The laboratory indicated that the identified peak reported as perchlorate in the analytical report does not appear to be perchlorate. BRC has requested that the laboratory revise the analytical reports accordingly, however, revised laboratory reports were not available at the time of this report submittal. Furthermore, while researching the anomalous perchlorate detections, BRC determined that the cation/anion balances conducted by the TestAmerica for the 4th Quarter 2009 groundwater monitoring event were not representative of site conditions because they incorporated only those cations/anions that were part of the analytical suite that TestAmerica had been asked to analyze (and included additional cations boron and silica while excluding the anions nitrate, fluoride and perchlorate listed in NDEP's guidance). Upon performing a revised cation/anion balance (see Section 3.2); BRC determined that several of the perchlorate detections should be rejected due to issues with balances falling outside the acceptable ranges of results.

Based on the evaluation of the datasets, the majority of the data obtained during the monitoring event are valid (that is, not rejected) and acceptable for their intended use (99.17 percent of the CAMU 4th Quarter 2009 groundwater monitoring event data). All analyses were performed as requested on the COC. No assumptions of data quality were made based on information that was not provided. Some data were qualified based on the data review. All data results qualified with 'J', 'U', or 'UJ' are considered valid and acceptable for their intended use. All data results qualified with 'R' are considered invalid and are rejected for use.

3.0 GROUNDWATER MONITORING RESULTS

General groundwater conditions and analytical results for the CAMU 4th Quarter 2009 groundwater monitoring event are summarized in this section. The monitoring wells included in these monitoring events are presented on Figure 2-1.

3.1 GROUNDWATER CONDITIONS

This section describes the general groundwater conditions at the Site during the CAMU 4th Quarter 2009 groundwater monitoring event including depth to groundwater, groundwater gradient, and groundwater flow direction.

3.1.1 Depth to Groundwater

Groundwater level measurements were collected from 28 wells across the Site during the CAMU 4th Quarter 2009 groundwater monitoring event. Well-specific measured depths to water and calculated groundwater elevations for the CAMU 4th Quarter 2009 groundwater monitoring event are presented in Groundwater Elevation Data Table 3-1. These groundwater level data are summarized below for each water-bearing zone.

Zone	**Range of Depth to Water Measurements (feet btoc)**	**Range of Groundwater Elevations (feet amsl)**
Shallow	31.97 (H-21R) to 55.94 (EC-2)	1693.24 (AA-BW-04A) to 1730.35 (MCF-BW-11A)
Middle	26.82 (MC-MW-30) to 56.97 (MC-MW-11)	1687.69 (MC-MW-31) to 1758.71 (MC-MW-12)
Deep	All artesian	1725.87 (TR-12) to 1803.63 (MW-8)

btoc – below top of casing
amsl – above mean sea level

Based on this summary, the depth to water and groundwater elevations for all three zones are highest in wells located upgradient of the CAMU and lowest in wells located downgradient. The Shallow Zone measurements are posted and contoured on Figure 3-1. Well hydrographs summarizing all available water level data for the CAMU wells are presented in Appendix C.

3.1.2 Groundwater Flow Direction

As illustrated on Figure 3-1, the general groundwater flow direction beneath the Site in the Shallow Zone during the CAMU 4th Quarter 2009 groundwater monitoring event varies from the northeast to the northwest, at an average gradient of 0.013 feet per foot to 0.017 feet per foot. Groundwater flow directions for the other two water-bearing zones are consistent with the Shallow zone flow direction.

3.2 ANALYTICAL RESULTS

Groundwater analytical results are presented in this section for the CAMU 4th Quarter 2009 groundwater monitoring event performed at the Site. Data validation for the data set was completed by ERM personnel and LDC as discussed in Section 2.9. Summaries of Shallow Zone groundwater analytical results from the four CAMU 2009 groundwater monitoring events are presented in Tables 3-2a through 3-2d. Groundwater analytical results for the CAMU 4th Quarter 2009 groundwater monitoring event and prior historical sampling events are presented by individual chemical class in Tables 3-3 through 3-14 (wells from all zones included).

Table 3-2d summarizes the Shallow Zone data collected during the CAMU 4th Quarter 2009 groundwater monitoring event; the table presents the compound-specific number of detections, ranges of reporting limits, ranges of concentrations, number of detections exceeding USEPA maximum contaminant level (MCLs) and NDEP Basic Comparison Levels (BCLs: NDEP 2009e). Tables 3-2a, 3-2b, and 3-2c present similar information for the prior three quarters of monitoring. In addition, a small number of constituents representing the main chemical classes of interest in the CAMU area were selected for graphic presentation of historical trends in concentrations and chemical occurrence within the Shallow Zone. Specifically, graphical presentations are provided for the following:

Compound Class	Example Analyte Presented Graphically
Metals	Arsenic
Organochlorine Pesticides	alpha-BHC
VOCs	Benzene Chlorobenzene Chloroform 1,4-Dichlorobenzene Tetrachloroethene (PCE)
SVOCs	Pentachlorophenol

Compound Class	Example Analyte Presented Graphically
Radionuclides	Radium-226/228 (sum) Radon-222
General Chemistry	Perchlorate
General Water Quality	TDS

Concentration trend graphs for these constituents are presented in Appendix D. Contoured chemical occurrence maps for these constituents are presented in Appendix E for the 4th Quarter Shallow Zone data; for ease of reference, contoured chemical occurrence maps are provided side-by-side with the other three 2009 CAMU groundwater monitoring events.[4] These twelve analytes were generally selected because they were routinely detected at concentrations in excess of applicable screening levels in the Shallow Zone during historical monitoring events (see Table 3-2d for screening level exceedances associated with the CAMU 4th Quarter 2009 groundwater monitoring event). As seen in Table 3-2d, additional analytes (*i.e.*, beyond those depicted graphically) exceeded screening levels during the CAMU 4th Quarter 2009 groundwater monitoring event.

As part of the data review process, BRC in conjunction with the project laboratory performed tests for cation-anion balances, TDS checks, and TDS and electrical conductivity checks for data generated during the CAMU 4th Quarter 2009 groundwater monitoring event. The results of this evaluation are presented in Table 3-14. In the water samples collected and analyzed for the CAMU 4th Quarter 2009 groundwater monitoring event, sample pH ranged from 5.68 to 8.25. Due to the reported pH range of results, alkalinity was composed nearly entirely of bicarbonate, therefore the bicarbonate results were used in the balance calculation rather than the hydroxide results.

In conducting the cation-anion balance for the CAMU 4th Quarter 2009 groundwater monitoring event, the variance between the cation and anion sum (as represented by the difference between the cation and anion sum, divided by the total ion sum, expressed as a percentage) ranged between 1.14 and 9.21 percent. Eighteen primary and two field duplicate samples were used in the cation-anion balance calculations. Sample AA-BW-09A was not subjected to cation-anion balance calculations because the anion sum was greater than 800 meq/L; a charge balance error check was instead performed for this sample, per NDEP (2009d) guidance.

[4] It should be noted that in response to NDEP comments, selected contour maps from the earlier 2009 monitoring events have been revised since their presentation in the earlier reports.

Based on these data, as presented in Table 3-14, 12 of 20 cation-anion balances were within acceptable range of 5 percent. The samples with variances outside the acceptable range were associated with wells AA-BW-04A (and field duplicate), AA-BW-05A (and field duplicate), AA-BW-06A, H-21R, M7B, and MC-MW-12. TDS laboratory/sum ratio checks were within acceptable result ratios of 1.0 – 1.2 in only seven of the 20 samples. It should be noted that the balance results may be influenced by elevated sample results, and estimated laboratory results due to matrix interference and laboratory dilution requirements. TDS and electrical conductivity checks were within acceptable ratios of 0.55 – 0.070 in seven of the 20 samples. This test may also be influenced by elevated sample results, and estimated laboratory results due to matrix interference and laboratory dilution requirements. As noted above, a charge balance error check was performed for sample AA-BW-09A. As presented in Table 3-14, the charge balance error check was within the acceptable range of 5 percent. All these evaluations were done using NDEP's most recent *Cation-Anion Balance – Updated Guidance* (NDEP 2009d) as amended by more recent communication with NDEP regarding the cation-anion balances presented in the *CAMU Groundwater Monitoring Report 1st and 2nd Quarters 2009* (BRC and ERM 2009a; see Appendix A).

4.0 SUMMARY OF GROUNDWATER FLOW AND CHEMICAL OCCURRENCE PATTERNS OVER TIME

This section summarizes the results of the CAMU monitoring events conducted during 2009 to establish baseline conditions in the area. As discussed below, the water level and chemical data are relatively consistent between the four events. Based on this observation, BRC has concluded that the monitoring results are likely representative of baseline conditions, and can be used for future monitoring events, with upgradient samples, to assess whether CAMU operations are impacting groundwater quality.

4.1 GROUNDWATER FLOW PATTERNS

Interpreted contoured potentiometric surface maps for the Shallow Zone based on water levels measured during the four quarters of 2009 are presented on Figure 3-1. As seen in that figure, the groundwater flow patterns are consistent for all four periods, depicting a northeast to northwest average gradient of 0.013 feet per foot to 0.017 feet per foot. The interpreted contours deflect in the immediate vicinity of the inferred location of the central paleochannel, with a flow direction along the paleochannel thalweg. Similarly, the interpreted flow directions in the immediate vicinities of the western paleochannel and the minor paleochannel to the northeast also parallel the thalweg for each paleochannel, respectively. Based on this observation, it appears that the presence of the paleochannels has an effect on groundwater flow patterns.

4.2 CHEMICAL OCCURRENCE PATTERNS

Chemical detections in CAMU area wells for the 2009 monitoring period are summarized in Tables 3-2a-d, for each quarter, respectively) and Tables 3-3 through 3-13 for individual chemical classes. Chemical occurrence patterns for the chemicals detected in Shallow Zone groundwater from the CAMU monitoring wells are discussed below for each compound class.[5] For data evaluation purposes, the detections were compared to the following, where established:

- USEPA MCLs; and
- The NDEP residential water BCL (BCL_W).

[5] Given the limited available Middle and Deep Zone chemical data, chemical occurrence in these zones is not presented in this report. The data for these two zones are presented in the data tables (Tables 3-3 through 3-13).

4.2.1 Volatile Organic Compounds

As seen in Tables 3-2a-d and Table 3-3, VOCs were detected in all of the Shallow Zone wells. The most commonly detected VOCs (those detected in more than 50 percent of the samples) in Shallow Zone wells were as follows:

Chemical Name	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location of Highest Concentration
1,1-Dichloroethane	100%	100%	88%	79%	AA-BW-01A
1,1-Dichloroethene	59%	56%	6%	42%	H-21R
1,1,2-Trichloroethane	41%	56%	13%	32%	AA-BW-04A
1,2,3-Trichlorobenzene	71%	81%	38%	37%	EC-2
1,2,4- Trichlorobenzene	65%	81%	50%	68%	AA-BW-08A
1,2- Dichlorobenzene	94%	100%	88%	95%	AA-BW-08A
1,2-Dichloroethane	82%	94%	75%	79%	AA-MW-07
1,3,5-Trichlorobenzene	53%	44%	13%	33%	AA-BW-01A
1,3-Dichlorobenzene	76%	81%	50%	56%	AA-BW-08A
1,4-Dichlorobenzene	100%	94%	88%	89%	AA-BW-08A
2-Chlorotoluene	65%	63%	6%	26%	AA-BW-08A
4-Chlorotoluene	59%	63%	6%	26%	AA-BW-08A
Acetone	6%	64%	0%	6%	AA-BW-09A
Benzene	88%	94%	94%	95%	AA-BW-04A
Chlorobenzene	94%	100%	100%	89%	AA-BW-04A
Chloroethane	53%	25%	13%	47%	H-21R
Chloroform	65%	81%	81%	74%	AA-MW-07
Chloromethane	35%	75%	0%	11%	AA-MW-07
Dichloromethane	76%	50%	13%	26%	AA-MW-07
Tetrachloroethene	82%	63%	75%	68%	AA-BW-04A
Toluene	82%	69%	0%	42%	AA-BW-04A
Trichloroethene	82%	88%	50%	58%	H-43
Vinyl chloride	59%	31%	6%	37%	AA-BW-01A
o-Xylene	24%	50%	0%	21%	AA-BW-08A

As seen above and in the chemical occurrence maps presented in Appendix E for selected VOCs (*i.e.*, benzene, chlorobenzene, chloroform, 1,4-dichlorobenzene, and PCE; Figures E-1 through E-5), the highest VOC detections are generally associated with the following wells:

- AA-BW-08A, AA-BW-09A, and EC-2, located at the upgradient CAMU edge in the vicinity of the central paleochannel (AA-BW-09A and EC-2 along the presumed eastern and western edges, respectively);
- AA-BW-04A and H-21R, located at the downgradient CAMU edge, in the vicinity of the central paleochannel (AA-BW-04A on the presumed eastern edge of the central paleochannel near the northeastern paleochannel); and
- AA-MW-07 and AA-BW-01A, located in the southeastern (upgradient) corner of the CAMU.

In general, the wells in the eastern half of the CAMU area have appreciably higher VOC detections than those collected from the western side of the CAMU. It should be noted that for many VOCs, results from well H-21R are anomalous as compared to nearby wells AA-BW-05A and H-43. Specifically, benzene and chlorobenzene are anomalously high in H-21R and 1,4-dichlorobenzene is anomalously low. One possible explanation is that H-21R is screened at intervals deeper in the UMCf (possibly by more than 25 feet) than the other two wells, which are reportedly screened only in the Qal (Table 2-2).[6] An east-west trending cross-section along the northern (downgradient) boundary of the CAMU (Figure 4-1) illustrates this relationship. Well H-21R may therefore be more representative of Middle Zone conditions than those of the Shallow Zone. As seen in Table 3-3, VOC detections in the upgradient Middle Zone (as represented by well MC-MW-12) are higher than in any of the Shallow Zone wells.

[6] BRC has been unable to locate boring logs or well construction diagrams for well H-21R, which was reportedly installed in the early 1980s. The GMP presents the screened interval as being from 40 to 50 feet bgs, and penetrating the Muddy Creek formation by 9.5 feet. However, the depth to the bottom of H-21R was measured at 66.55' bgs during the last monitoring event, which indicates that either (1) the actual screened depth is greater than 50 feet bgs, or (2) more than 15 feet of blank casing extends below the end of the well screen in the well. Based on the stratigraphy noted for downgradient Middle Zone wells, if H-21R is in fact screened to 66.55' bgs, it is possible that it is screened across both the Shallow and Middle Zones. Without having reliable construction information, BRC cannot make that determination.

4.2.2 Semi-Volatile Organic Compounds

As seen in Tables 3-2a-d and Table 3-4, SVOCs were detected less routinely than VOCs in the Shallow Zone samples in which they were analyzed (generally in fewer than 40 percent of the samples). The SVOCs consistently detected at the highest frequencies and the highest concentrations for all four quarters were bis(p-chlorophenyl)disulfide, diphenyl disulfide, and p-chlorobenzenethiol. The SVOC detections in Shallow Zone wells are summarized below:

Chemical Name	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location of Highest Concentration
1,2,4,5-Tetrachlorobenzene	6%	14%	7%	0%	EC-2
1,4-Dioxane	6%	29%	27%	11%	AA-BW-04A
2,4,5-Trichlorophenol	18%	21%	13%	16%	AA-BW-01A
2,4,6-Trichlorophenol	24%	21%	13%	5%	AA-BW-01A
2,4-Dichlorophenol	47%	43%	40%	26%	AA-MW-07
2-Chloronaphthalene	12%	0%	7%	11%	AA-BW-04A
2-Chlorophenol	35%	29%	27%	26%	AA-BW-09A
2-Methylnaphthalene	12%	14%	7%	11%	EC-2
4-Chlorothioanisole	0%	7%	7%	16%	AA-BW-12A
Acetophenone	0%	14%	0%	0%	AA-BW-04A
Benzenethiol	47%	50%	27%	32%	AA-BW-08A
bis(p-Chlorophenyl)sulfone	6%	0%	0%	0%	EC-2
bis(p-Chlorophenyl)disulfide	31%	36%	33%	35%	AA-BW-12A
Diphenyl disulfide	41%	50%	33%	37%	AA-BW-08A
Diphenyl sulfide	0%	0%	13%	5%	AA-BW-08A
Naphthalene	24%	29%	13%	21%	AA-BW-01A
p-Chlorobenzenethiol	47%	50%	27%	37%	AA-BW-12A
Pentachlorobenzene	6%	0%	13%	0%	M7B
Pentachlorophenol	18%	14%	0%	0%	AA-BW-04A
Phenol	24%	21%	13%	21%	EC-2

For a given SVOC, the highest detections are generally associated with the following wells:

- AA-BW-08A, AA-BW-12A and EC-2, located at the upgradient CAMU edge within and near the central paleochannel;

- AA-BW-04A, located at the downgradient CAMU edge, between the central and the northeastern paleochannels; and

- AA-MW-07, located in the southeastern (upgradient) corner of the CAMU.

As with VOCs, the wells in the eastern half of the CAMU area have appreciably higher SVOC detections than those collected from the western side of the CAMU. Chemical occurrence patterns for pentachlorophenol are presented graphically in Figure E-6.

4.2.3 Polynuclear Aromatic Hydrocarbons

As seen in Tables 3-2a-d and Table 3-5, PAHs were detected infrequently in the Shallow Zone samples in which they were analyzed. A given PAH was detected in no more than three samples collected during any one of the monitoring events. Acenaphthene was detected the most frequently, in nine samples; the highest detection was 0.367 µg/L (EC-2). Phenanthrene, the only other PAH detected in more than one sample, was detected in three samples, all from EC-2. All of the other PAH detections were associated with EC-2 (1st Quarter). The PAH detections are summarized below.

Chemical Name	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location of Highest Concentration
Acenaphthene	18%	21%	13%	5%	EC-2
Anthracene	6%	0%	0%	0%	EC-2
Benzo(a)pyrene	6%	0%	0%	0%	EC-2
Benzo(b)fluoranthene	6%	0%	0%	0%	EC-2
Benzo(g,h,i)perylene	6%	0%	0%	0%	EC-2
Benzo(k)fluoranthene	6%	0%	0%	0%	EC-2
Dibenzo(a,h)anthracene	6%	0%	0%	0%	EC-2
Indeno(1,2,3-cd)pyrene	6%	0%	0%	0%	EC-2
Phenanthrene	6%	0%	7%	5%	EC-2
Pyrene	6%	0%	0%	0%	EC-2

The PAH detections in CAMU area groundwater are all associated with wells in the immediate vicinity of the central paleochannel: upgradient wells AA-BW-08A and EC-2, and downgradient wells H-21R and AA-BW-05A.

4.2.4 Organochlorine Pesticides

As seen in Tables 3-2a-d and Table 3-6, organochlorine pesticides were detected frequently in the Shallow Zone samples in which they were analyzed. Delta-BHC was detected in all of the Shallow Zone wells during all four sampling events except MCF-BW-11A, and beta-BHC was detected in all of the Shallow Zone samples except those collected from M7B and MCF-BW-11A. The organochlorine pesticide detections are summarized below:

Chemical Name	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location of Highest Concentration
2,4-DDD	18%	29%	6%	11%	H-21R
2,4-DDE	41%	29%	24%	32%	AA-BW-12A
4,4-DDE	0%	6%	0%	0%	AA-BW-08A
Aldrin	6%	6%	0%	5%	AA-BW-09A
alpha-BHC	94%	94%	94%	89%	AA-BW-08A
alpha-Chlordane	12%	18%	18%	21%	AA-BW-08A
beta-BHC	53%	59%	47%	53%	AA-BW-04A
delta-BHC	100%	100%	100%	95%	AA-MW-07
Dieldrin	6%	12%	6%	5%	AA-BW-08A
Endosulfan I	6%	18%	0%	0%	EC-2
Endosulfan II	18%	12%	12%	11%	EC-2
Endrin	0%	0%	0%	5%	AA-MW-07
Endrin aldehyde	18%	12%	6%	11%	H-43
gamma-Chlordane	6%	12%	6%	0%	AA-BW-05A
Heptachlor	0%	12%	0%	5%	AA-BW-05A
Lindane	71%	71%	59%	58%	AA-BW-08A
Methoxychlor	6%	6%	6%	11%	H-43

As seen above, in Table 3-6, and in the alpha-BHC occurrence map presented in Appendix E (Figure E-7), the highest detections are generally associated with the following wells:

- AA-BW-08A, located at the upgradient CAMU edge in the central paleochannel;
- AA-BW-04A, located on the presumed eastern edge of the central paleochannel near the northeastern paleochannel; and
- AA-MW-07, located in the southeastern (upgradient) corner of the CAMU.

In general, the wells in the eastern half of the CAMU area have appreciably higher organochlorine pesticide detections than those collected from the western side of the CAMU. As shown in Figure E-7, the H-21R results appear anomalously low relative to the two adjacent wells.

4.2.5 Metals

As seen in Tables 3-2a-d and Table 3-7, metals were routinely detected in the Shallow Zone samples. Detections of the most commonly reported metals (those detected in more than 75 percent of the samples) are summarized below:

Chemical Name	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location of Highest Concentration
Arsenic	100%	100%	100%	100%	AA-BW-09A
Barium	100%	100%	100%	100%	EC-2
Boron	100%	100%	100%	100%	M7B
Calcium	100%	100%	100%	100%	AA-BW-09A
Cobalt	100%	71%	47%	63%	H-28
Iron	100%	88%	100%	100%	H-43
Lithium	88%	100%	100%	100%	AA-BW-09A
Magnesium	100%	100%	100%	100%	AA-BW-09A
Manganese	100%	94%	88%	100%	AA-BW-09A
Molybdenum	100%	100%	71%	74%	AA-BW-09A
Nickel	94%	100%	94%	100%	AA-BW-09A
Potassium	100%	100%	100%	100%	AA-BW-09A
Sodium	100%	100%	100%	100%	AA-BW-09A
Strontium	100%	100%	100%	100%	AA-BW-09A
Titanium	41%	76%	94%	21%	AA-BW-09A
Uranium	100%	100%	94%	79%	AA-BW-09A
Vanadium	24%	76%	65%	68%	AA-BW-05A/-07A

As seen above, in Table 3-7, and in the arsenic occurrence map presented in Appendix E (Figure E-8), the highest detections are routinely associated with AA-BW-09A, located at the upgradient CAMU edge along the eastern boundary of the central paleochannel.

The lateral variability in concentrations suggests that their presence is due to a combination of naturally-occurring conditions, as well as upgradient off-site influences.

4.2.6 Dioxins/Furans

As seen in Tables 3-2a-d and Table 3-8, dioxins/furans were detected infrequently in the Shallow Zone samples in which they were analyzed. 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (TCDD) was detected the most frequently, in samples collected in 2009 from six wells; this compound was also detected at the highest concentrations of any compounds in this class. The other detections are as follows:

- 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, 1,2,3,4,7,8-HxCDF, and OCDF were detected in only one sample (H-21R, 1st Quarter);
- 1,2,3,4,6,7,8-HpCDD was detected in one sample (EC-2, 3rd Quarter); and
- OCDD was detected in two samples (H-21R, 1st Quarter and EC-2, 3rd Quarter).

The seven wells associated with dioxin/furans detections are all located in the vicinity of the central paleochannel, and are as follows:

- Upgradient wells AA-MW-07, AA-BW-08A, and EC-2; and
- Downgradient wells H-43, H-21R, AA-BW-04A, and AA-BW-05A.

The highest concentrations are associated with upgradient wells AA-BW-08A and EC-2 (2,3,7,8-TCDD).

4.2.7 PCBs

As seen in Tables 3-2a-d and Table 3-9, PCBs were detected occasionally in the Shallow Zone samples in which they were analyzed. PCB-118 was detected the most often; wells H-21R and AA-BW-08A were associated with the largest number of detected congeners and the highest concentrations. The PCB detections are summarized below:

Chemical Name	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location of Highest Concentration
PCB 105	9%	0%	0%	18%	H-21R
PCB 118	64%	0%	0%	24%	AA-BW-08A
PCB 156	0%	0%	0%	12%	H-21R
PCB 167	0%	0%	0%	12%	AA-BW-08A

The eight wells associated with PCB detections are as follows:

- Upgradient well AA-BW-08A; and
- Downgradient wells AA-BW-04A, AA-BW-05A, AA-BW-06A, M7B, H-28, H-21R, and H-43.

4.2.8 Perchlorate

As seen in Tables 3-2a-d and Table 3-10, perchlorate was detected in nine of the Shallow Zone wells in which it was analyzed. As seen in the graphic presentations in Figure E-9, the highest perchlorate concentrations were consistently associated with (1) M7B, located along the northeast corner of the CAMU; and (2) upgradient well AA-BW-09A, which is located along the upgradient edge of the CAMU within the central paleochannel. As noted in Section 2.9, the perchlorate data for the 4th Quarter are considered unreliable due to matrix interference.

4.2.9 General Water Quality

As seen in Tables 3-2a-d and Table 3-11, TDS is generally high in groundwater samples collected from the CAMU area. As seen in the graphic presentations in Figure E-10, the highest TDS measurements were consistently associated with upgradient well AA-BW-09A and downgradient well AA-BW-05A, both located along the central paleochannel. The highest alkalinity measurements are also associated with AA-BW-09A.

4.2.10 Radionuclides

As seen in Tables 3-2a-d and Table 3-12, radionuclides were detected in all of the Shallow Zone wells in which they were analyzed. After the 1st Quarter 2009, the analytical program for radionuclides used for the CAMU monitoring was revised, and the list of analytes was reduced to Radium-226, Radium-226/228, Radium-228, and Radon-222. Radon-222 was detected at appreciably higher activities than radium.

As seen in the graphic presentations in Figure E-11, the highest Radium-226/228 measurements were consistently associated with upgradient well AA-BW-09A located along the upgradient edge of the CAMU just east of the central paleochannel. In contrast, the highest Radon-222 measurements were consistently associated with upgradient well EC-2, downgradient well AA-BW-04A, and AA-BW-07A, located along the western CAMU boundary (Figure E-12).

4.2.11 Methyl Mercury/White Phosphorus

As seen in Tables 3-2a-d and Table 3-13, methyl mercury was detected in each well. The only wells in which it was not detected were AA-BW-02, H-43, and M7B. The highest detections were associated with AA-BW-04A, located on the presumed eastern edge of the central paleochannel near the northeastern paleochannel.

White phosphorus was not detected in any CAMU groundwater samples collected during 2009.

4.2.12 Summary of 2009 Detections

As presented above, chemical detections reported in the Shallow Zone during the four quarters of baseline monitoring are relatively consistent.[7] These data indicate that baseline groundwater conditions in the CAMU area include the presence of numerous chemical constituents and every chemical class included in the analytical program. The highest chemical detections are generally associated with wells located in close proximity to the subsurface paleochannels, most commonly the central paleochannel.

Because these constituents are present in upgradient monitoring wells, the presumed sources of these constituents are off-site. Therefore, CAMU impacts, if any, on groundwater quality will be assessed in the future by comparing downgradient data collected as part of a long-term monitoring program (see Section 5) to upgradient data collected at the same time, as well as these baseline data.

[7] The only compound with significantly variable detections across the monitoring period was perchlorate, which had anomalously elevated concentrations reported in samples from several wells during the 4th Quarter. These samples also had issues in terms of cation/anion balance. Accordingly, these 4th Quarter data are considered unreliable.

5.0 PROPOSED GROUNDWATER MONITORING

As noted in Section 1, the general purpose of the CAMU groundwater monitoring program was to collect baseline groundwater data in the CAMU area, against which the potential for impacts to groundwater quality due to CAMU construction can be assessed in the future. This section presents a proposed program for long-term monitoring to assess whether CAMU operations are impacting groundwater quality.

As discussed in Section 4, while the data collected during four rounds of monitoring in 2009 are relatively consistent in terms of observed chemical occurrence patterns, certain wells were not included in all four monitoring rounds, and the lack of data represents a data gap. These data gaps will be addressed by the long-term monitoring program.

The proposed monitoring program will include a sub-set of the Shallow Zone wells used for establishing baseline conditions, as summarized below:

Hydraulic Position	Shallow Zone Well IDs
Upgradient	AA-MW-07 AA-BW-08A AA-BW-09A AA-BW-12A EC-2 MCF-BW-11A
Crossgradient	AA-BW-02A
Downgradient	H-28 H-43 AA-BW-04A AA-BW-05A AA-BW-06A

Because the intent of this monitoring program is to assess for potential impacts due to CAMU operations, it is appropriate to focus on the uppermost water-bearing zone. If there are no impacts to that zone (the Shallow Zone) from CAMU operations, the threat to the underlying Middle and Deep Zones is negligible. However, to fill data gaps in the Middle and Deep zone datasets, the following Middle and Deep Zone wells will be included in the long-term monitoring program for the first four semi-annual monitoring events (*i.e.*, 2nd and 4th Quarters of 2010 and 2011):

Hydraulic Position	Middle Zone Well IDs
Upgradient	MC-MW-10 MC-MW-11 MC-MW-12
Downgradient	MC-MW-30 MC-MW-31

Hydraulic Position	Deep Zone Well IDs
Upgradient	MW-8 DMC-MW-28
Downgradient	TR-11 TR-12

After completion of the first four monitoring events, NDEP and BRC will determine whether any further monitoring will be required in the CAMU area for the Middle and Deep zones.

Each of the wells listed above (all three zones, presented on Figure 5-1) will be monitored semi-annually, including measurement of water levels and collection of representative groundwater samples. Because materials being placed in the CAMU originated from across the Eastside and contain a variety of Site-related chemicals at varying concentrations, the groundwater samples will be analyzed for the following BMI Common Areas Site-related chemicals classes:

- General water quality (ions, hardness, TDS, and alkalinity) by EPA Method 300.0, 130.2, 160.1, and 310.1;
- Perchlorate, by EPA Method 6850;
- Metals, by EPA Method 6020/6010B;
- Organochlorine pesticides, by EPA Method 8081A;
- PAHs, by EPA Method 8270SIM;
- Radionuclides, EPA Method 903.1/904.0, HASL A-01-R, and SM7500;

- SVOCs, by EPA Method 8270C; and
- VOCs, by EPA Method 8260B.

The specific analytes to be included in each analytical method listed above are as specified in Table 2-4.[8] Given the general lack of detections in Eastside soils and their general immobility, the monitoring program does not include analysis for dioxins/furans or PCBs. The scope and findings of the monitoring events will be documented in reports submitted semi-annually to NDEP.

[8] Note that Table 2-4 reflects the analytical program that has been approved for the BMI Common Area, and includes certain analytical methods not proposed for long-term CAMU monitoring.

6.0 REFERENCES

Basic Remediation Company (BRC) and Daniel B. Stephens & Associates, Inc. (DBS&A). 2007. Conceptual Site Model, Proposed CAMU Site, Henderson, Nevada, prepared for BRC, February 16.

Basic Remediation Company (BRC) and ERM. 2009a. CAMU Groundwater Monitoring Report 1st and 2nd Quarters 2009. BRC Corrective Action Management Unit (CAMU) Area, Clark County, Nevada. September.

Basic Remediation Company (BRC) and ERM. 2009b. CAMU Groundwater Monitoring Report 3rd Quarter 2009. BRC Corrective Action Management Unit (CAMU) Area, Clark County, Nevada. November.

Basic Remediation Company (BRC) and ERM. 2009c. BRC Quality Assurance Project Plan. BMI Common Areas, Clark County, Nevada. May.

Basic Remediation Company (BRC) and ERM. 2009d. Data Validation Summary Report – CAMU Third Quarter Groundwater Monitoring Event, July-August 2009 (Dataset 55c), BRC Corrective Action Management Unit (CAMU) Area, Clark County, Nevada. November.

Basic Remediation Company (BRC), ERM and MWH. 2009. BRC Field Sampling and Standard Operating Procedures, BMI Common Areas, Clark County, Nevada. December.

Carlsen, C.L., R.C. Lunnis, and D.E. Prudie. 1991. Changes in water levels and water quality in shallow groundwater, Pittman-Henderson Area, Clark County, Nevada, Resulting from diversion of industrial cooling water from ditch to pipeline in 1985. U.S. Geological Survey Water-Resources Investigation Report 89-4093. Carson City, Nevada.

Daniel B. Stephens & Associates, Inc. (DBS&A). 2008. Groundwater Monitoring Plan, Corrective Action Management Unit (CAMU) Area. December.

Nevada Department of Environmental Protection (NDEP). 2007. Additional Guidance on Completion of Quality Checks for Cation-Anion Balance, May 21.

Nevada Department of Environmental Protection (NDEP). 2009a. Hydrogeologic and Lithologic Nomenclature Unification. BMI Plant Sites and Common Areas Projects, Henderson, Nevada. January 6.

Nevada Department of Environmental Protection (NDEP). 2009b. Supplemental Guidance on Data Validation: Revisions to Data Validation of Organic Data based on June 2008 National Function Guidelines for Superfund Organic Methods Data Review – USEPA-540-R-08-01, March 19.

Nevada Department of Environmental Protection (NDEP). 2009c. Supplemental Guidance on Data Validation: NDEP Data Verification and Validation Requirements – Supplement April, 2009. April 13.

Nevada Department of Environmental Protection (NDEP). 2009d. Cation-Anion Balance – Updated Guidance, BMI Plant Sites and Common Areas Projects, Henderson, Nevada. August 27.

Nevada Department of Environmental Protection (NDEP). 2009e. User's Guide and Background Technical Document for Nevada Division of Environmental Protection (NDEP) Basic Comparison Levels (BCLs) for Human Health for the BMI Complex and Common Areas. June.

U.S. Environmental Protection Agency (USEPA). 1999. National Functional Guidelines for Organic Data Review. USEPA 540/R-99-008. OSWER 9240.1-05A-P. October.

U.S. Environmental Protection Agency (USEPA). 2001. National Functional Guidelines for Low-Concentration Organic Data Review. USEPA 540-R-00-006. OSWER 9240.1-34. June.

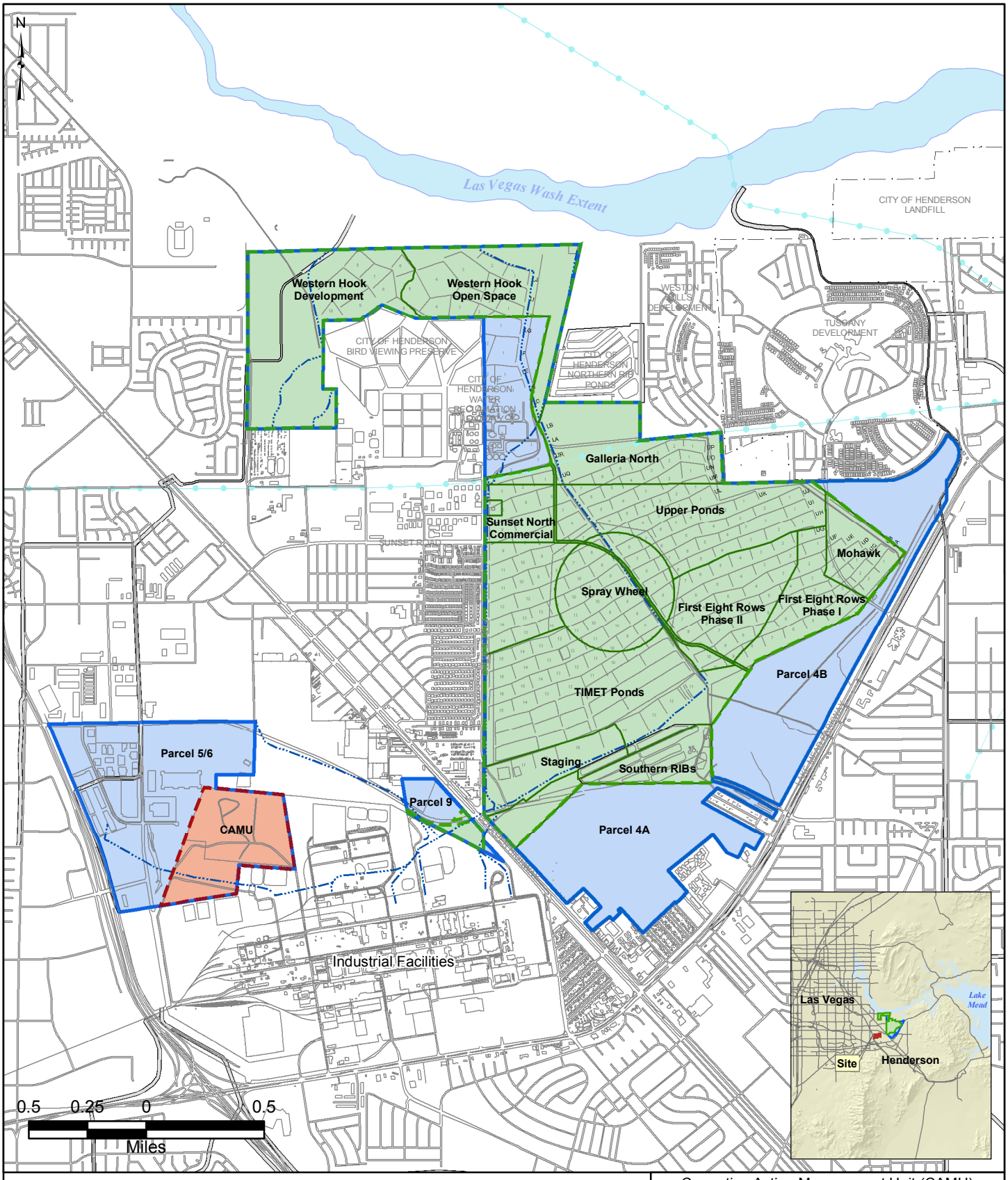
U.S. Environmental Protection Agency (USEPA). 2004. National Functional Guidelines for Inorganic Data Review. USEPA 540-R-04-004. OSWER 9240.1-45. October.

U.S. Environmental Protection Agency (USEPA). 2005. National Functional Guidelines for Chlorinated Dibenzo-p-Dioxins (CDDs) and Chlorinated Dibenzofurans (CDFs) Data Review. OSWER 9240.1-51, EPA-540-R-05-001. September.

U.S. Environmental Protection Agency (USEPA). 2008. National Functional Guidelines for Superfund Organic Methods Data Review. USEPA 540-R-08-01. OSWER 9240.1-48. June.

Weston. 1993. Site Conceptual Model, Stauffer/Pioneer/Montrose Site, Henderson, Nevada, September.

FIGURES



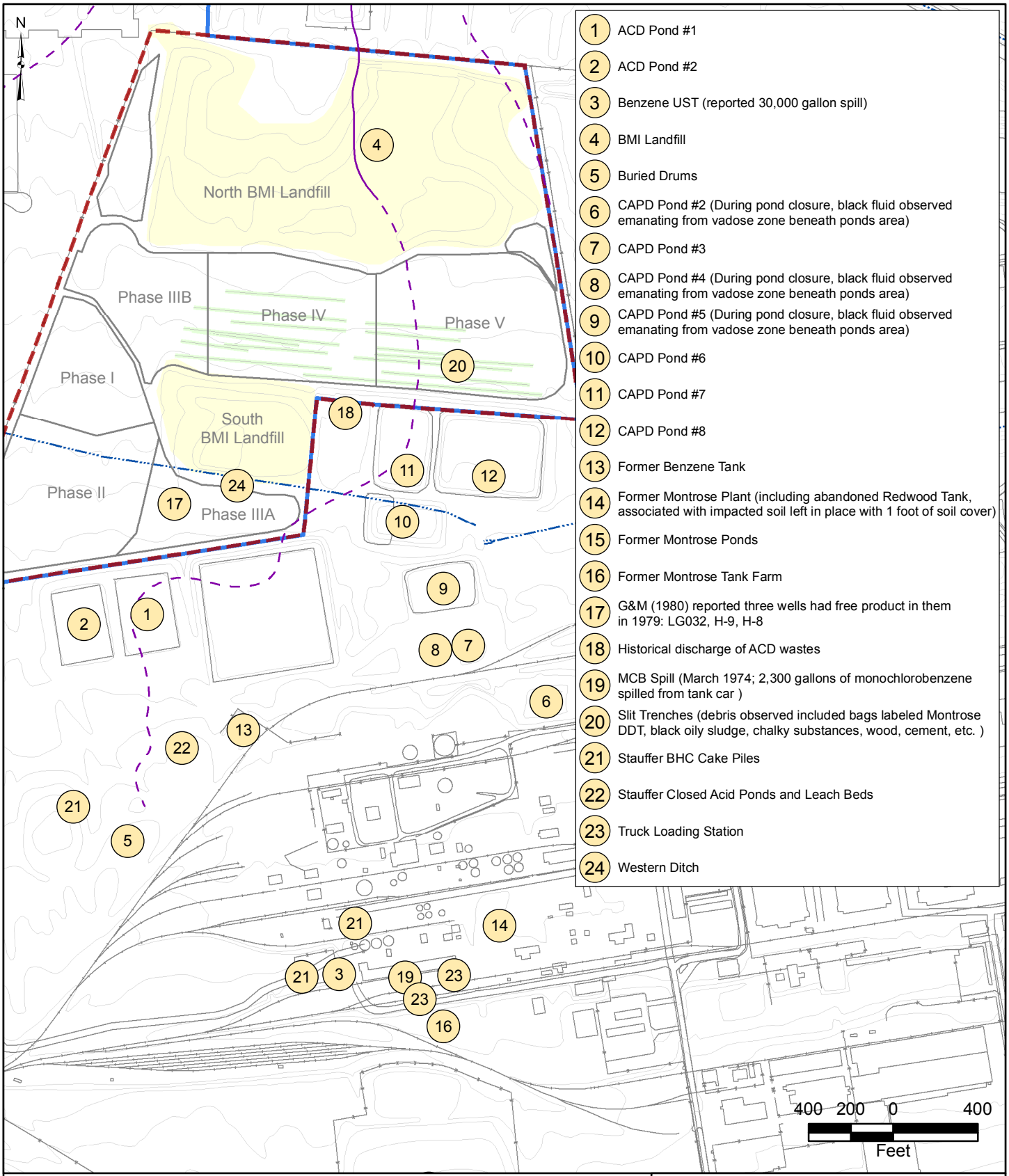
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE 1-1

SITE LOCATION MAP

Basic Remediation COMPANY

Prepared by		Date	JOB No. 0074742
MKJ (ERM)	ERM	03/25/10	FILE: GIS/BRC/CAMU_GMR/FIGURE_1-1.MXD



CAMU Site

Site Groundwater Boundary

Slit Trenches

Paleochannels (solid where deeply incised, dashed where relatively shallow and/or inferred)

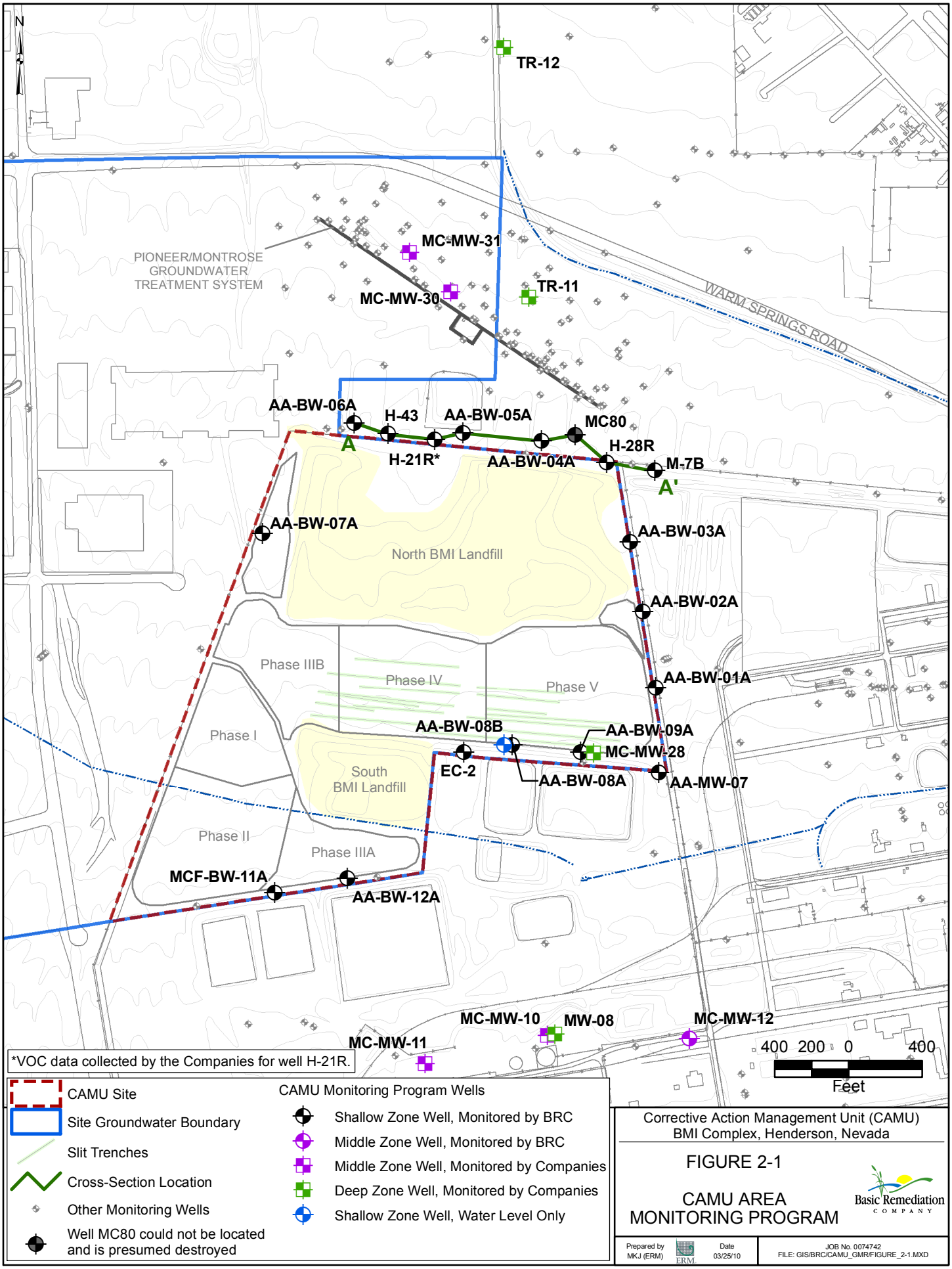
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE 1-2

POTENTIAL UPGRADIENT SOURCE AREAS

Basic Remediation Company

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURE_1-2.MXD



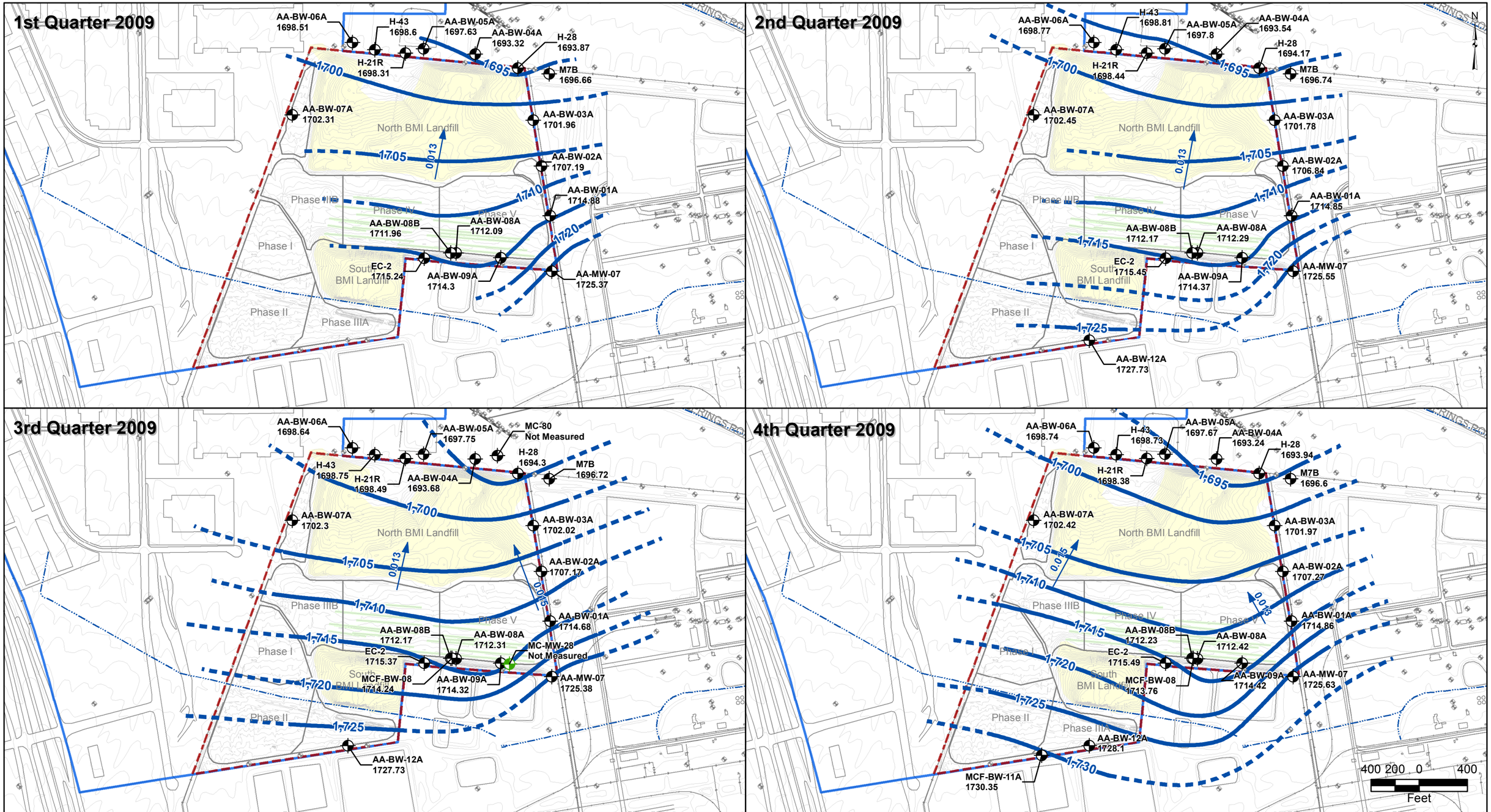
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE 2-1

CAMU AREA
MONITORING PROGRAM

Basic Remediation Company

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURE_2-1.MXD



CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
Shallow Zone Well
Middle Zone Well
Deep Zone Well
Water Level Contour (dashed where interred)

Note: Measurements are in feet above mean sea level (ft msl). Contours based on shallow zone wells only

Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

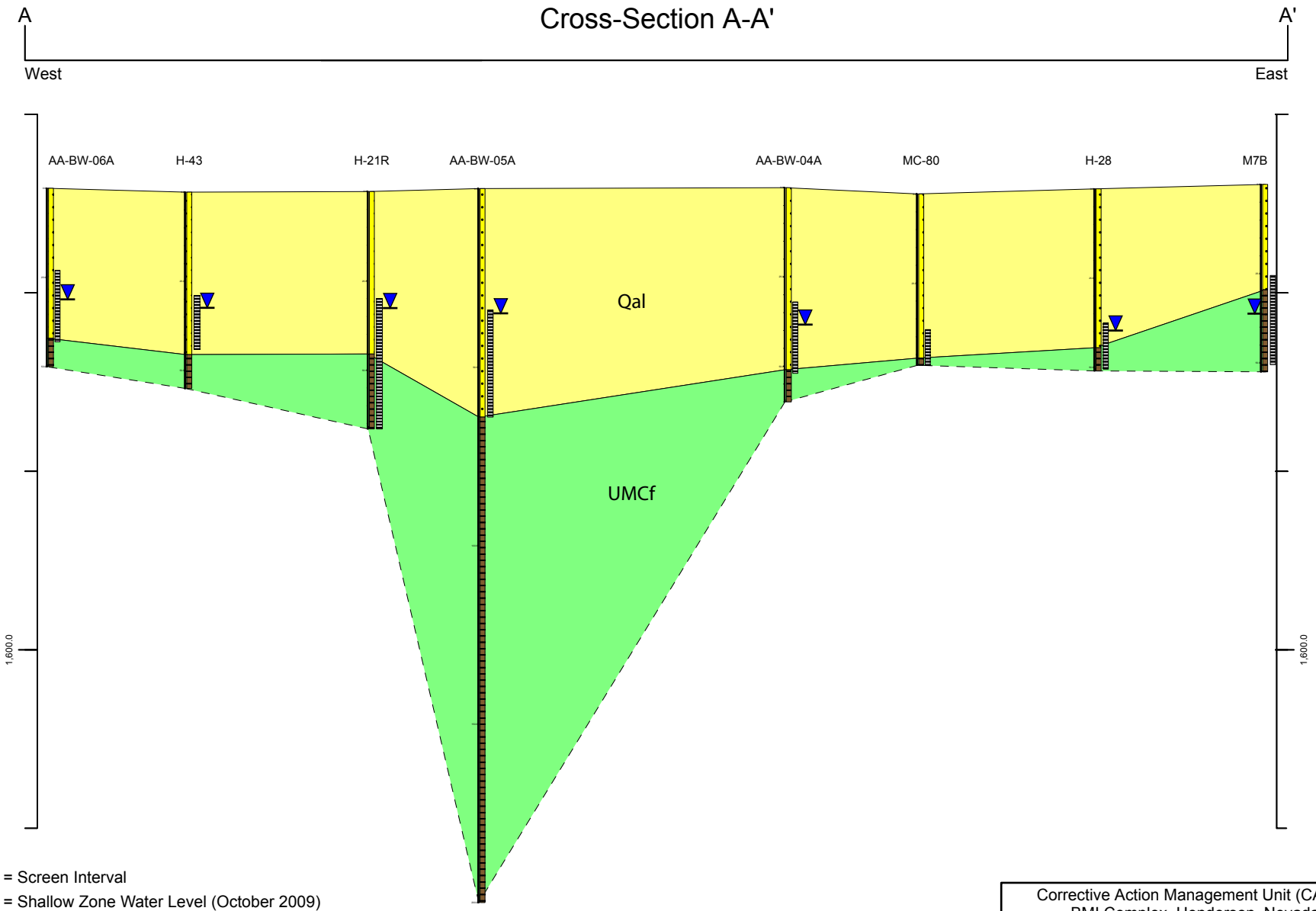
FIGURE 3-1

POTENTIOMETRIC SURFACE MAP OF THE SHALLOW WATER-BEARING ZONE WELLS

Basic Remediation Company

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURE 3-1.MXD

Cross-Section A-A'



= Screen Interval
= Shallow Zone Water Level (October 2009)
= Qal = Quaternary alluvium
= UMCf = Upper Muddy Creek formation
Vertical Scale = 5x Horizonal Scale
For soil lithology details, please see the individual boring logs.
See Figure 2-1 for cross-section location.

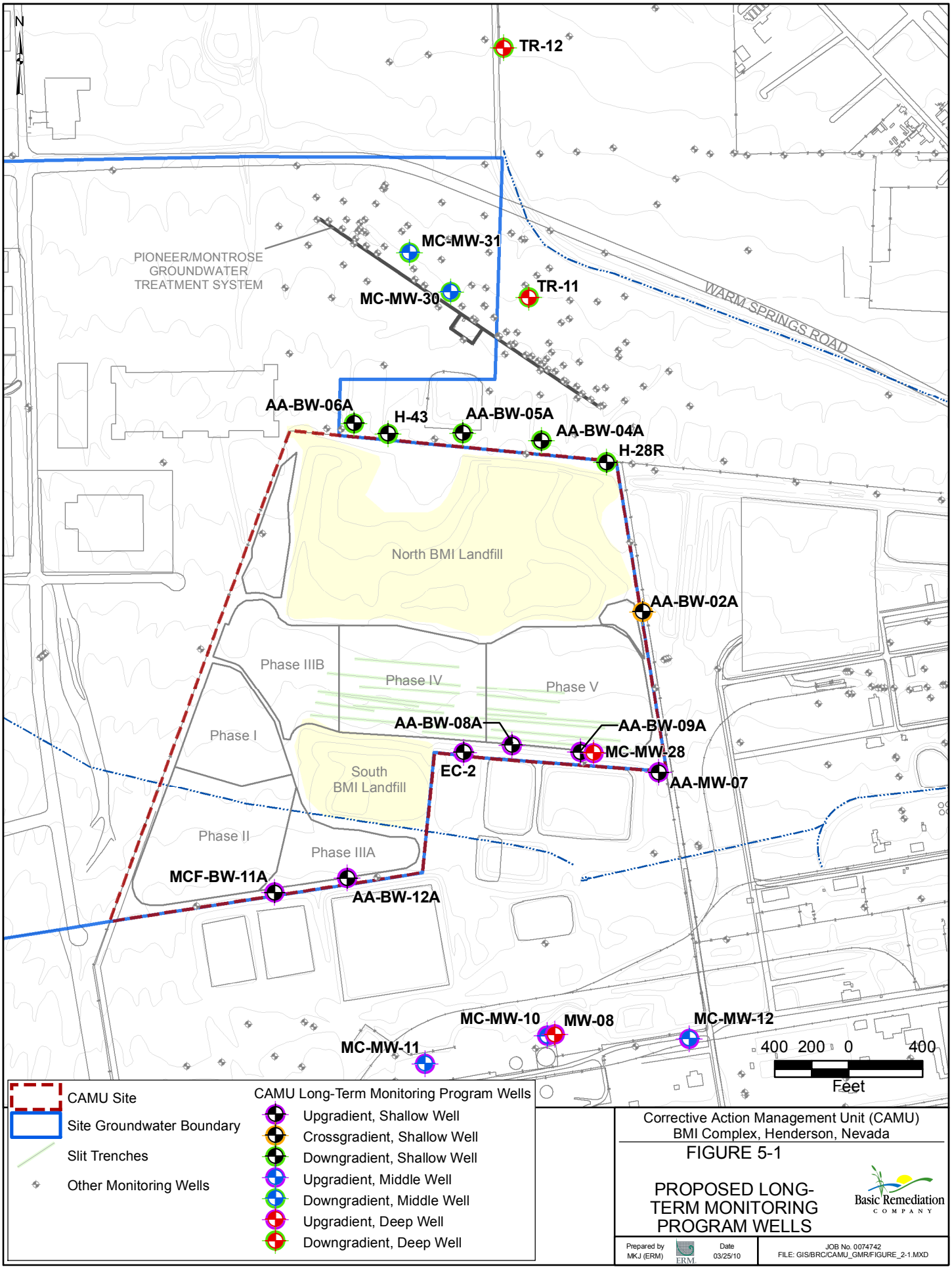
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE 4-1

CAMU AREA
CROSS-SECTION A-A'

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0074742
MKJ (ERM)	03/25/10	FILE: GIS/BRC/CAMU_GMR/FIGURE_4-1.AI



Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE 5-1

PROPOSED LONG-TERM MONITORING PROGRAM WELLS

Basic Remediation Company

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURE_2-1.MXD

TABLES

TABLE 2-1
WELLS INCLUDED IN CAMU AREA MONITORING PROGRAM
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Well ID	Owner	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Hydro-geologic Zone	Rationale
AA-BW-01A	BRC	33	53	Shallow	Monitors shallow impacts crossgradient at southeast CAMU
AA-BW-02A	BRC	33	53	Shallow	Monitors impacts at eastern CAMU; defines eastern boundary of offsite plants area plumes
AA-BW-03A	BRC	33	53	Shallow	Monitors impacts at eastern CAMU; defines eastern boundary of offsite plants area plumes
AA-BW-04A	BRC	32	52	Shallow	Monitors impacts downgradient of northern CAMU and central axes of upgradient plants area plumes
AA-BW-05A	BRC	34	64	Shallow	Monitors impacts downgradient of northern CAMU and upgradient plants area plumes
AA-BW-06A	BRC	23	43	Shallow	Monitors impacts downgradient of northwestern CAMU
AA-BW-07A	BRC	32	52	Shallow	Monitors impacts at western CAMU
AA-BW-08A	BRC	37.5	57.5	Shallow	Monitors impacts upgradient at southeast CAMU
AA-BW-08B	BRC	43	63	Shallow	Monitors impacts upgradient at southeast CAMU. Benzene/chlorobenzene DNAPL detected October 2007
AA-BW-09A	BRC	33	53	Shallow	Monitors impacts upgradient at southeast CAMU
AA-BW-12A	BRC	49	69	Shallow	Monitors impacts upgradient of southwest CAMU
AA-MW-07	Companies	30.5	70.5	Shallow	Monitors impacts upgradient at southeast CAMU
EC-2	Companies	50	70	Shallow	Monitors impacts upgradient at center of southern CAMU
H-21R	Companies	30	66.5	Shallow	Monitors impacts downgradient of northern CAMU and upgradient plants area plumes
H-28	Companies	37.4	50.5	Shallow	Monitors impacts at northeastern CAMU; defines northeastern boundary of offsite plants area plumes
H-43	Companies	29	44	Shallow	Monitors impacts downgradient of northern CAMU and upgradient plants area plumes
M7B	Tronox	25.5	50.5	Shallow	Monitors impacts at northeastern CAMU; defines northeastern boundary of offsite plants area plumes
MC80[a]	Companies	38	48	Shallow	Monitors impacts downgradient of northeastern CAMU and central axes of upgradient plants area plumes
MCF-BW-08	BRC	77	87	Shallow	Monitors UMCf water levels and impacts upgradient at southeast CAMU
MCF-BW-11A	BRC	57	72	Shallow	Monitors UMCf water levels, vertical gradients, and deeper impacts upgradient of southwest CAMU
MC-MW-10	**Companies**	**85**	**115**	**Middle**	**Monitors upgradient impacts in plants area**
MC-MW-11	**Companies**	**100.5**	**120.5**	**Middle**	**Monitors upgradient impacts in plants area**
MC-MW-12	Companies	100	120	Middle	Monitors upgradient impacts in plants area
MW-8	**Companies**	**275**	**295**	**Deep**	**Monitors upgradient impacts in plants area**
DMC-MW-28	**Companies**	**230**	**260**	**Deep**	**Well that will monitor upgradient impacts**
MC-MW-30	**Companies**	**36.5**	**46.5**	**Middle**	**Well that will monitor downgradient impacts**
MC-MW-31	**Companies**	**39.5**	**49.5**	**Middle**	**Well that will monitor downgradient impacts**
TR-11	**Companies**	**210**	**230**	**Deep**	**Monitoring multiple impacts to north of CAMU (downgradient of extraction wells)**
TR-12	**Companies**	**272**	**292**	**Deep**	**Monitoring multiple impacts to north of CAMU (downgradient of extraction wells)**

Notes:
ft bgs = feet below ground surface
-- = data not available
Wells with bold font in shaded cells were sampled by the Companies during the 4th Quarter 2009 CAMU monitoring event
[a]Well can not be located and is presumed destroyed.

TABLE 2-2
CONSTRUCTION DETAILS FOR WELLS INCLUDED IN CAMU AREA MONITORING PROGRAM
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Well ID	Owner	Date Installed	TOC Elevation (ft amsl)	Grade Elevation (ft amsl)	Depth to Qal/UMCf Contact (ft bgs)	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Screen Length (ft)	Units Screened	Hydrogeologic Zone	Total Borehole Depth (ft bgs)	Contact Elevation (ft amsl)	Screen Top Elevation (ft amsl)	Screen Bottom Elevation (ft amsl)	Casing/Screen Type	Diameter (inches)	Screen Slot (inches)	Full Log available?
AA-BW-01A	BRC	03/09/05	1754.56	1752.84	46	33	53	20	Qal/UMCf 7'	Shallow	60	1706.84	1719.84	1701.56	Sch 80 PVC	4	0.01	Yes
AA-BW-02A	BRC	03/08/05	1748.80	1746.78	42	33	53	20	Qal/UMCf 11'	Shallow	60	1704.78	1713.78	1695.8	Sch 80 PVC	4	0.01	Yes
AA-BW-03A	BRC	03/02/05	1741.63	1739.48	42.5	33	53	20	Qal/UMCf 10.5'	Shallow	60	1696.98	1706.48	1688.63	Sch 80 PVC	4	0.01	Yes
AA-BW-04A	BRC	02/24/05	1731.49	1729.47	51	32	52	20	Qal/UMCf 1'	Shallow	60	1678.47	1697.47	1677.47	Sch 80 PVC	4	0.01	Yes
AA-BW-05A	BRC	02/12/05	1731.40	1729.21	64	34	64	30	Qal	Shallow	200	1665.21	1695.21	1665.21	Sch 80 PVC	4	0.01	Yes
AA-BW-06A	BRC	03/10/05	1731.40	1729.28	42	23	43	20	Qal/UMCf 1'	Shallow	50	1687.28	1706.28	1686.28	Sch 80 PVC	4	0.01	Yes
AA-BW-07A	BRC	02/28/05	1741.73	1739.89	50	32	52	20	Qal/UMCf 2'	Shallow	60	1689.89	1707.89	1687.89	Sch 80 PVC	4	0.01	Yes
AA-BW-08A	BRC	03/15/05	1763.18	1761.28	58	37.5	57.5	20	Qal	Shallow	75	1703.28	1723.78	1703.78	Sch 80 PVC	4	0.01	Yes
AA-BW-08B	BRC	03/17/05	1763.63	1761.47	59	43	63	20	Qal/UMCf 4'	Shallow	75	1702.47	1718.47	1698.47	Sch 80 PVC	4	0.01	Yes
AA-BW-09A	BRC	03/11/05	1763.12	1761.59	51	33	53	20	Qal/UMCf 2'	Shallow	60	1710.59	1728.59	1708.59	Sch 80 PVC	4	0.01	Yes
AA-BW-12A	BRC	02/15/05	1778.54	1776.54	60	49	69	20	Qal/UMCf 9'	Shallow	200	1716.54	1727.54	1707.54	Sch 80 PVC	4	0.01	Yes
AA-MW-07	Companies	09/12/06	1764.22	1761.91	70	30.5	70.5	40	Qal	Shallow	90	1691.91	1731.41	1691.41	Sch 40 PVC	4	0.02	Yes
EC-2	Companies	02/10/98	1771.43	--	66	50	70	20	Qal/UMCf 4'	Shallow	70	--	--	--	Sch 40 PVC	4	0.02	Yes
H-21R	Companies	02/21/80	1729.45	1728.35	45.5	30	66.5	36.5	Qal/UMCf 20'	Shallow	66.5	1682.85	1698.35	1661.85	Sch 40 PVC	4	0.02	Yes
H-28	Companies	02/18/80	1730.33	1729.13	44.5	37.4	50.5	13.1	Qal/UMCf 6.5'	Shallow	51	1684.63	1691.73	1678.63	Steel	6	--	Yes
H-43	Companies	08/17/81	1729.82	1728.20	45.5	29	44	15	Qal	Shallow	55	1682.70	1699.20	1684.20	Steel	5	--	Yes
M7B	Tronox	12/02/98	1732.83	1730.35	29.5	25.5	50.5	25	Qal/UMCf 21'	Shallow	52.5	1700.85	1704.85	1679.85	PVC	2	0.02	Yes
MC-80	Companies	08/09/83	--	--	46	38	48	10	Qal/UMCf 2'	Shallow	48	--	--	--	PVC	2	0.02	Yes
MCF-BW-08	BRC	03/14/05	1763.39	1761.52	57	77	87	10	UMCf cg	Shallow	90	1704.52	1684.52	1674.52	Sch 80 PVC	4	0.01	Yes
MCF-BW-11A	BRC	03/23/05	1778.38	1776.18	52	57	72	15	UMCf cg	Shallow	80	1724.18	1719.18	1704.18	Sch 80 PVC	4	0.01	Yes
MC-MW-10	Companies	09/21/06	1803.90	1801.21	58	85	115	20	UMCf	Middle	160	1743.21	1716.21	1686.21	PVC	4	0.01	Yes
MC-MW-11	Companies	09/26/06	1804.50	1801.94	60	100.5	120.5	20	UMCf	Middle	160	1741.94	1701.44	1681.44	PVC	4	0.01	Yes
MC-MW-12	Companies	09/28/06	1797.49	1797.38	70	100	120	20	UMCf	Middle	127	1727.38	1697.38	1677.38	PVC	4	0.01	Yes
MW-8	Companies	08/27/04	1803.63	1800.95	54	275	295	20	UMCf cg	Deep	302	1746.95	1525.95	1505.95	St.Steel	4	0.02	Yes
DMC-MW-28	Companies	06/24/09	1763.03	1760.62	65	230	260	30	UMCf	Deep	295	1695.62	1530.62	1500.62	St.Steel	4	0.01	Yes
MC-MW-30	Companies	06/05/09	1718.23	1715.64	31	36.5	46.5	10	UMCf	Middle	150	1684.64	1679.14	1669.14	Sch 80 PVC	2	0.01	Yes
MC-MW-31	Companies	06/04/09	1716.85	1714.47	34	39.5	49.5	10	UMCf	Middle	150	1680.47	1674.97	1664.97	Sch 80 PVC	2	0.01	Yes
TR-11	Companies	10/01/99	1717.12	1714.80	50	210	230	20	UMCf cg	Deep	255	1664.80	1504.80	1484.80	PVC	4	0.02	Yes
TR-12	Companies	10/16/99	1695.84	1693.44	43	272	292	20	UMCf cg	Deep	292.5	1650.44	1421.44	1401.44	PVC	4	0.02	Yes

ft bgs = Feet below ground surface.
ft amsl = Feet above mean sea level.
--- = Data not applicable or not available.

TABLE 2-3
ANALYTICAL PROGRAM FOR CAMU AREA MONITORING EVENTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 2)

			Field Sampling				Laboratory Analytical Suite									
Well ID	**Zone Monitored**	**Frequency**	**Water Level Measurement**	**NAPL Measurement**	**Dissolved Oxygen (field) per SOP5[a]**	**Water Quality Sampling**	**General Chemistry and Ions**	**VOCs**	**SVOCs**	**Organochlorine Pesticides**	**Metals**	**Water Quality Parameters including TDS**	**Radionuclides including Radon**	**Dioxins/Furans[b]**	**PCBs (w/ Congeners)[b]**	**White Phosphorous and Methyl Mercury[a]**
AA-BW-01A	Shallow	Quarterly	B	B	B	B	B	B	B	B	B	B	B	---	---	B
AA-BW-02A	Shallow	Quarterly	B	B	B	B	B	B	B	B	B	B	B	---	---	B
AA-BW-03A	Shallow	Quarterly	B	B	B	B	B	B	B	B	B	B	B	---	---	B
AA-BW-04A	Shallow	Quarterly	B	B	B	B	B	B	B	B	B	B	B	B	B	B
AA-BW-05A	Shallow	Quarterly	B	B	B	B	B	B	B	B	B	B	B	B	B	B
AA-BW-06A	Shallow	Quarterly	B	B	B	B	B	B	B	B	B	B	B	B	B	B
AA-BW-07A	Shallow	Quarterly	B	B	B	B	B	B	B	B	B	B	B	B	B	---
AA-BW-08A	Shallow	Quarterly	C*	C*	C*	C*	C*	C*	C*	C*	C*	C*	C*	A	A	C*
AA-BW-08B	Shallow	Quarterly	B	B	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]
AA-BW-09A	Shallow	Quarterly	B	B	B	B	B	B	B	B	B	B	B	B	B	B
AA-BW-12A	Shallow	Quarterly	C*	C*	C*	C*	C*	C*	C*	C*	C*	C*	C*	---	---	C*
AA-MW-07	Shallow	Quarterly	C*	C*	C*	C*	C*	C*	C*	C*	C*	C*	C*	A	A	C*
EC-2	Shallow	Quarterly	C*	C*	C*	C*	C*	C*	C*	C*	C*	C*	C*	A	A	C*
H-21R	Shallow[e]	Quarterly	B	B	B	B	B	C	B	B	B	B	B	B	B	B
H-28	Shallow	Quarterly	B	B	B	B	B	B	B	B	B	B	B	B	B	B
H-43	Shallow	Quarterly	B	B	B	B	B	B	B	B	B	B	B	B	B	B
M7B	Shallow	Quarterly	B	B	B	B	C*	C*	C*	C*	C*	C*	C*	B	B	---
MC80[d]	Shallow	Quarterly	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MCF-BW-08	Shallow	Quarterly	B	B	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]
MCF-BW-11A	Shallow	Quarterly	C*	C*	C*	C*	C*	C*	C*	C*	C*	C*	C*	---	---	---
MC-MW-10	Middle	Quarterly	C	C	C	C	C	C	C	C	C	C	C	---	---	---
MC-MW-11	Middle	Quarterly	C	C	C	C	C	C	C	C	C	C	C	---	---	---
MC-MW-12	Middle	Quarterly	C*	C*	C*	C*	C*	C*	C*	C*	C*	C*	C*	---	---	---
MW-8	Deep	Quarterly	C	C	C	C	C	C	C	C	C	C	C	---	---	---

TABLE 2-3
ANALYTICAL PROGRAM FOR CAMU AREA MONITORING EVENTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 2)

			Field Sampling				Laboratory Analytical Suite									
Well ID	**Zone Monitored**	**Frequency**	**Water Level Measurement**	**NAPL Measurement**	**Dissolved Oxygen (field) per SOP5[a]**	**Water Quality Sampling**	**General Chemistry and Ions**	**VOCs**	**SVOCs**	**Organochlorine Pesticides**	**Metals**	**Water Quality Parameters including TDS**	**Radionuclides including Radon**	**Dioxins/Furans[b]**	**PCBs (w/ Congeners)[b]**	**White Phosphorous and Methyl Mercury[a]**
DMC-MW-28	Deep	Pending	C	C	C	C	C	C	C	C	C	C	C	---	---	---
MC-MW-30	Middle	Pending	C	C	C	C	C	C	C	C	C	C	C	---	---	---
MC-MW-31	Middle	Pending	C	C	C	C	C	C	C	C	C	C	C	---	---	---
TR-11	Deep	Quarterly	C	C	C	C	C	C	C	C	C	C	C	---	---	---
TR-12	Deep	Quarterly	C	C	C	C	C	C	C	C	C	C	C	---	---	---

Notes:

As noted in the text, this table represents the approved CAMU Area Groundwater Montoring Plan (December 2008) specifications, but the sampling responsibilities associated with a given well were not necessarily performed by the specified entity during the 2009 monitoring events. BRC performed sampling at several wells specified for the Companies.

[a] White phosphorous and methyl mercury to be included in the analyte list if field-measured DO concentrations show anerobic conditions (approximately < 1 mg/L DO).

[b] PCBs and dioxins/furans proposed to evaluate potential impacts from the former slit trench area.

[c] Water level and NAPL monitoring only.

[d] Well can not be located and is presumed destroyed.

[e] As discussed in text, construction details for this well are unavailable and the actual zone being monitored is uncertain. It may be screened across the Shallow and Middle Zones.

A = Per GMP, well to be sampled by the Companies, but analyzed by BRC for the indicated parameter.

B = Per GMP, well to be sampled by BRC for the indicated parameter.

C = Per GMP, well to be sampled by the Companies for the indicated parameter.

--- = Well not sampled for indicated parameter.

TABLE 2-4
ANALYTES INCLUDED IN CAMU AREA MONITORING PROGRAM
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits	
Ions	EPA 300.0	EPA 300.0	Bromide	24959-67-9	0.25	mg/L
			Bromine	7726-95-6	0.5	mg/L
			Chlorate	14866-68-3	0.5	mg/L
			Chloride	16887-00-6	0.2	mg/L
			Chlorine (soluble)	7782-50-5	0.5	mg/L
			Chlorite	14998-27-7	0.02	mg/L
			Fluoride	16984-48-8	0.1	mg/L
			Iodide	20461-54-5	1	mg/L
			Ion Balance		NA	--
			Nitrate (as N)	14797-55-8	0.02	mg/L
			Nitrite (as N)	14797-65-0	0.02	mg/L
			Orthophosphate	14265-44-2	0.5	mg/L
			Sulfate	14808-79-8	0.5	mg/L
	EPA 6850	EPA 6850	Perchlorate	14797-73-0	4	µg/L
Polychlorinated Dibenzodioxins/ Dibenzofurans	EPA 8290	EPA 8290	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	100	pg/L
			1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3268-87-9	100	pg/L
			1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	50	pg/L
			1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	50	pg/L
			1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	50	pg/L
			1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	50	pg/L
			1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	50	pg/L
			1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	50	pg/L
			1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	50	pg/L
			1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	50	pg/L
			1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	50	pg/L
			1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	50	pg/L
			1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	50	pg/L
			2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	50	pg/L
			2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	50	pg/L
			2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	10	pg/L
			2,3,7,8-Tetrachlororodibenzo-p-dioxin	1746-01-6	10	pg/L
Metals	EPA 3010M	EPA 6020/6010B	Aluminum	7429-90-5	30	µg/L
			Antimony	7440-36-0	5	µg/L
			Arsenic	7440-38-2	0.95	µg/L
			Barium	7440-39-3	2	µg/L
			Beryllium	7440-41-7	0.5	µg/L
			Boron	7440-42-8	50	µg/L
			Cadmium	7440-43-9	0.5	µg/L
			Calcium	7440-70-2	100	µg/L
			Chromium	7440-47-3	10	µg/L
			Cobalt	7440-48-4	2	µg/L
			Copper	7440-50-8	1	µg/L
			Iron	7439-89-6	50	µg/L
			Lead	7439-92-1	3	µg/L
			Lithium	1313-13-9	50	µg/L
			Magnesium	7439-95-4	50	µg/L
			Manganese	7439-96-5	2	µg/L
			Molybdenum	7439-98-7	5	µg/L
			Nickel	7440-02-0	5	µg/L
			Potassium	7440-09-7	100	µg/L
			Selenium	7782-49-2	5	µg/L
			Silver	7440-22-4	2	µg/L
			Sodium	7440-23-5	50	µg/L
			Strontium	7440-24-6	5	µg/L
			Thallium	7440-28-0	2	µg/L
			Tin	7440-31-5	2	µg/L
			Titanium	7440-32-6	2	µg/L

TABLE 2-4
ANALYTES INCLUDED IN CAMU AREA MONITORING PROGRAM
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CAMU AREA, CLARK COUNTY, NEVADA
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Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits	
Metals (continued)			Tungsten	7440-33-7	5	µg/L
			Uranium	7440-61-1	1	µg/L
			Vanadium	7440-62-2	10	µg/L
			Zinc	7440-66-6	10	µg/L
	EPA 3060A	EPA 7196A	Chromium (VI)	18540-29-9	10	µg/L
	EPA 7470A	EPA 7470A	Mercury	7439-97-6	0.2	µg/L
Organochlorine Pesticides	EPA 3520C	EPA 8081A	2,4-DDD	53-19-0	0.05	µg/L
			2,4-DDE	3424-82-6	0.05	µg/L
			4,4-DDD	72-54-8	0.05	µg/L
			4,4-DDE	72-55-9	0.05	µg/L
			4,4-DDT	50-29-3	0.05	µg/L
			Aldrin	309-00-2	0.05	µg/L
			alpha-BHC	319-84-6	0.05	µg/L
			alpha-Chlordane	5103-71-9	0.05	µg/L
			beta-BHC	319-85-7	0.05	µg/L
			Chlordane	57-74-9	0.5	µg/L
			delta-BHC	319-86-8	0.05	µg/L
			Dieldrin	60-57-1	0.05	µg/L
			Endosulfan I	959-98-8	0.05	µg/L
			Endosulfan II	33213-65-9	0.05	µg/L
			Endosulfan sulfate	1031-07-8	0.05	µg/L
			Endrin	72-20-8	0.05	µg/L
			Endrin aldehyde	7421-93-4	0.05	µg/L
			Endrin ketone	53494-70-5	0.05	µg/L
			gamma-BHC (Lindane)	58-89-9	0.05	µg/L
			gamma-Chlordane	5103-74-2	0.05	µg/L
			Heptachlor	76-44-8	0.05	µg/L
			Heptachlor epoxide	1024-57-3	0.05	µg/L
			Methoxychlor	72-43-5	0.1	µg/L
			Toxaphene	8001-35-2	2	µg/L
Polychlorinated Biphenyls	EPA 1668	EPA 1668	PCB-77	32598-13-3	20	pg/L
			PCB-81	70362-50-4	20	pg/L
			PCB-105	32598-14-4	20	pg/L
			PCB-114	74472-37-0	20	pg/L
			PCB-118	31508-00-6	20	pg/L
			PCB-123	65510-44-3	20	pg/L
			PCB-126	57465-28-8	20	pg/L
			PCB-156	38380-08-4	20	pg/L
			PCB-157	69782-90-7	20	pg/L
			PCB-167	52663-72-6	20	pg/L
			PCB-169	32774-16-6	20	pg/L
			PCB-189	39635-31-9	20	pg/L
			PCB-209	2051-24-3	20	pg/L
Polynuclear Aromatic Hydrocarbons	EPA 3510C	EPA 8270SIM	Acenaphthene	83-32-9	5	µg/L
			Acenaphthylene	208-96-8	5	µg/L
			Anthracene	120-12-7	5	µg/L
			Benzo(a)anthracene	56-55-3	5	µg/L
			Benzo(a)pyrene	50-32-8	5	µg/L
			Benzo(b)fluoranthene	205-99-2	5	µg/L
			Benzo(g,h,i)perylene	191-24-2	5	µg/L
			Benzo(k)fluoranthene	207-08-9	5	µg/L
			Chrysene	218-01-9	5	µg/L
			Dibenzo(a,h)anthracene	53-70-3	5	µg/L
			Indeno(1,2,3-cd)pyrene	193-39-5	5	µg/L
			Phenanthrene	85-01-8	5	µg/L
			Pyrene	129-00-0	5	µg/L

TABLE 2-4
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Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits	
Radionuclides	HASL 300	EPA 903.1	Radium-226	13982-63-3	1.0	pCi/L
		EPA 904.0	Radium-228	15262-20-1	1.0	pCi/L
	HASL 300 (Total Dissolution)	HASL A-01-R	Thorium-228	14274-82-9	1.0	pCi/L
			Thorium-230	14269-63-7	1.0	pCi/L
			Thorium-232	7440-29-1	1.0	pCi/L
	HASL 300 (Total Dissolution)		Uranium-233/234	U-233/234	1.0	pCi/L
			Uranium-235/236	U-235/236	1.0	pCi/L
			Uranium-238	7440-61-1	1.0	pCi/L
Radon	SM7500	SM7500	Radon-222	14859-67-7	10	pCi/L
Semivolatile Organic Compounds	EPA 3510C	EPA 8270C	1,2,4,5-Tetrachlorobenzene	95-94-3	10	µg/L
			1,2-Diphenylhydrazine	122-66-7	10	µg/L
			1,4-Dioxane	123-91-1	10	µg/L
			2,4,5-Trichlorophenol	95-95-4	10	µg/L
			2,4,6-Trichlorophenol	88-06-2	10	µg/L
			2,4-Dichlorophenol	120-83-2	10	µg/L
			2,4-Dimethylphenol	105-67-9	10	µg/L
			2,4-Dinitrophenol	51-28-5	50	µg/L
			2,4-Dinitrotoluene	121-14-2	10	µg/L
			2,6-Dinitrotoluene	606-20-2	10	µg/L
			2-Chloronaphthalene	91-58-7	10	µg/L
			2-Chlorophenol	95-57-8	10	µg/L
			2-Methylnaphthalene	91-57-6	10	µg/L
			2-Nitroaniline	88-74-4	50	µg/L
			2-Nitrophenol	88-75-5	10	µg/L
			3,3-Dichlorobenzidine	91-94-1	50	µg/L
			3-Nitroaniline	99-09-2	50	µg/L
			2,2'-/4,4'-Dichlorobenzil	3457-46-3	10	µg/L
			4-Bromophenyl phenyl ether	101-55-3	10	µg/L
			4-Chloro-3-methylphenol	59-50-7	10	µg/L
			4-Chlorophenyl phenyl ether	7005-72-3	10	µg/L
			4-Chlorothioanisole	123-09-1	50	µg/L
			4-Chlorothiophenol	106-54-7	10	µg/L
			4-Nitroaniline	100-01-6	50	µg/L
			4-Nitrophenol	100-02-7	50	µg/L
			Acetophenone	98-86-2	10	µg/L
			Aniline	62-53-3	10	µg/L
			Benzoic acid	65-85-0	50	µg/L
			Benzyl alcohol	100-51-6	10	µg/L
			bis(2-Chloroethoxy)methane	111-91-1	10	µg/L
			bis(2-Chloroethyl) ether	111-44-4	10	µg/L
			bis(2-Chloroisopropyl) ether	108-60-1	10	µg/L
			bis(2-Ethylhexyl) phthalate	117-81-7	10	µg/L
			bis(p-Chlorophenyl) sulfone	80-07-9	10	µg/L
			bis(p-Chlorophenyl)disulfide	1142-19-4	10	µg/L
			Butylbenzylphthalate	85-68-7	10	µg/L
			Carbazole	86-74-8	10	µg/L
			Dibenzofuran	132-64-9	10	µg/L
			Diethyl phthalate	84-66-2	10	µg/L
			Dimethyl phthalate	131-11-3	10	µg/L
			Di-n-butyl phthalate	84-74-2	10	µg/L
			Di-n-octyl phthalate	117-84-0	10	µg/L
			Diphenyl disulfide	882-33-7	10	µg/L
			Diphenyl sulfide	139-66-2	10	µg/L
			Diphenyl sulfone	127-63-9	10	µg/L
			Fluoranthene	206-44-0	10	µg/L
			Fluorene	86-73-7	10	µg/L
			Hexachlorobenzene	118-74-1	50	µg/L

TABLE 2-4
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Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits	
Semivolatile Organic Compounds (continued)	EPA 3510C		Hexachlorobutadiene	87-68-3	50	µg/L
			Hexachlorocyclopentadiene	77-47-4	50	µg/L
			Hexachloroethane	67-72-1	10	µg/L
			Hydroxymethyl phthalimide	118-29-6	10	µg/L
			Isophorone	78-59-1	10	µg/L
			m,p-Cresol	106-44-5	20	µg/L
			Naphthalene	91-20-3	10	µg/L
			Nitrobenzene	98-95-3	10	µg/L
			N-nitrosodi-n-propylamine	621-64-7	10	µg/L
			o-Cresol	95-48-7	10	µg/L
			Octachlorostyrene	29082-74-4	10	µg/L
			p-Chloroaniline (4-Chloroaniline)	106-47-8	10	µg/L
			Pentachlorobenzene	608-93-5	10	µg/L
			Pentachlorophenol	87-86-5	50	µg/L
			Phenol	108-95-2	10	µg/L
			Pyridine	110-86-1	20	µg/L
			Thiophenol	108-98-5	10	µg/L
			Tentatively Identified Compounds (TICs)		NA	µg/L
Volatile Organic Compounds	EPA 5030B	EPA 8260B	1,1,1,2-Tetrachloroethane	630-20-6	1	µg/L
			1,1,1-Trichloroethane	71-55-6	1	µg/L
			1,1,2,2-Tetrachloroethane	79-34-5	1	µg/L
			1,1,2-Trichloroethane	79-00-5	1	µg/L
			1,1-Dichloroethane	75-34-3	1	µg/L
			1,1-Dichloroethene	75-35-4	1	µg/L
			1,1-Dichloropropene	563-58-6	1	µg/L
			1,2,3-Trichlorobenzene	87-61-6	1	µg/L
			1,2,3-Trichloropropane	96-18-4	1	µg/L
			1,2,4-Trichlorobenzene	120-82-1	1	µg/L
			1,2,4-Trimethylbenzene	95-63-6	1	µg/L
			1,2-Dichlorobenzene	95-50-1	1	µg/L
			1,2-Dichloroethane	107-06-2	1	µg/L
			1,2-Dichloropropane	78-87-5	1	µg/L
			1,3,5-Trichlorobenzene	108-70-3	5	µg/L
			1,3,5-Trimethylbenzene	108-67-8	1	µg/L
			1,3-Dichlorobenzene	541-73-1	1	µg/L
			1,3-Dichloropropane	142-28-9	1	µg/L
			1,4-Dichlorobenzene	106-46-7	1	µg/L
			2,2-Dichloropropane	594-20-7	1	µg/L
			2,2-Dimethylpentane	590-35-2	1	µg/L
			2,2,3-Trimethylbutane	464-06-2	1	µg/L
			2,3-Dimethylpentane	565-59-3	1	µg/L
			2,4-Dimethylpentane	108-08-7	1	µg/L
			2-Chlorotoluene	95-49-8	1	µg/L
			2-Hexanone	591-78-6	5	µg/L
			2-Methylhexane	591-76-4	1	µg/L
			2-Nitropropane	79-46-9	10	µg/L
			3,3-Dimethylpentane	562-49-2	1	µg/L
			3-Ethylpentane	617-78-7	10	µg/L
			3-Methylhexane	589-34-4	10	µg/L
			4-Chlorotoluene	106-43-4	1	µg/L
			4-Methyl-2-pentanone (MIBK)	108-10-1	5	µg/L
			Acetone	67-64-1	2	µg/L
			Acetonitrile	75-05-8	10	µg/L
			Benzene	71-43-2	1	µg/L
			Bromobenzene	108-86-1	1	µg/L
			Bromodichloromethane	75-27-4	1	µg/L
			Bromoform	75-25-2	1	µg/L

TABLE 2-4
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Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits	
Volatile Organic Compounds (continued)	EPA 5030B		Bromomethane	74-83-9	2	µg/L
			Carbon disulfide	75-15-0	1	µg/L
			Carbon tetrachloride	56-23-5	1	µg/L
			Chlorobenzene	108-90-7	1	µg/L
			Chlorobromomethane	74-97-5	1	µg/L
			Chlorodibromomethane	124-48-1	1	µg/L
			Chloroethane	75-00-3	2	µg/L
			Chloroform	67-66-3	1	µg/L
			Chloromethane	74-87-3	2	µg/L
			cis-1,2-Dichloroethene	156-59-2	1	µg/L
			cis-1,3-Dichloropropene	10061-01-5	1	µg/L
			Cymene (Isopropyltoluene)	99-87-6	1	µg/L
			Dibromochloroethane	73506-94-2	1	µg/L
			Dibromochloropropane	96-12-8	1	µg/L
			Dibromomethane	74-95-3	1	µg/L
			Dichloromethane (Methylene chloride)	75-09-2	1	µg/L
			Dimethyldisulfide	624-92-0	5	µg/L
			Ethanol	64-17-5	250	µg/L
			Ethylbenzene	100-41-4	1	µg/L
			Freon-11 (Trichlorofluoromethane)	75-69-4	1	µg/L
			Freon-113 (1,1,2-Trifluoro-1,2,2-trichloroethane)	76-13-1	1	µg/L
			Freon-12 (Dichlorodifluoromethane)	75-71-8	2	µg/L
			Heptane	142-82-5	1	µg/L
			Isoheptane (same as 2-Methylhaxane)	31394-54-4	1	µg/L
			Isopropylbenzene	98-82-8	1	µg/L
			m,p-Xylene	mp-XYL	2	µg/L
			Methyl ethyl ketone (2-Butanone)	78-93-3	5	µg/L
			Methyl iodide	74-88-4	2	µg/L
			MTBE (Methyl tert-butyl ether)	1634-04-4	2	µg/L
			n-Butylbenzene	104-51-8	1	µg/L
			n-Propylbenzene	103-65-1	1	µg/L
			Nonanal	124-19-6	5	µg/L
			o-Xylene	95-47-6	1	µg/L
			sec-Butylbenzene	135-98-8	1	µg/L
			Styrene	100-42-5	1	µg/L
			tert-Butylbenzene	98-06-6	1	µg/L
			Tetrachloroethene	127-18-4	1	µg/L
			Toluene	108-88-3	1	µg/L
			trans-1,2-Dichloroethene	156-60-5	1	µg/L
			trans-1,3-Dichloropropene	10061-02-6	1	µg/L
			Trichloroethene	79-01-6	1	µg/L
			Vinyl acetate	108-05-4	2	µg/L
			Vinyl chloride	75-01-4	2	µg/L
			Xylenes (total)	1330-20-7	3	µg/L
			Tentatively Identified Compounds (TICs)		NA	µg/L
Water Quality Parameters	EPA 130.2	EPA 130.2	Hardness, total	Hardness	5	mg/L
	EPA 160.1	EPA 160.1	Total dissolved solids	TDS	5	mg/L
	EPA 310.1	EPA 310.1	Alkalinity, Total (as $CACO_3$)	ALK	5	mg/L
			Bicarbonate alkalinity	71-52-3	5	mg/L
			Carbonate alkalinity	3812-32-6	5	mg/L
			Hydroxide alkalinity	OH-ALK	5	mg/L
White Phosphorus	EPA 7580M	EPA 7580M	White phosphorus	12185-10-3	5E-05	mg/L
Methyl Mercury	EPA 1630	EPA 1630	Methyl mercury	22967-92-6	2E-08	mg/L

Reporting Limits - Based on laboratory limits for primary laboratories (TestAmerica and GEL).
Laboratory limits are subject to matrix interferences and may not always be achieved in all samples.
The laboratory will be instructed to report the top 25 Tentatively Identified Compounds (TICs) under method 8260B and 8270C.
NA = Not applicable.

TABLE 2-5
SAMPLING REQUIREMENTS
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Method Class	Compound	Groundwater	
		Holding Time	Container/ Preservative
Ions	Bromide	28 days	250-mL poly (unpreserved)
	Bromine		
	Chlorate		
	Chloride		
	Chlorite		
	Fluoride		
	Iodide		
	Nitrate	48 hours	
	Nitrite		
	Orthophosphate		
	Sulfate	28 days	
	Perchlorate		
	Ion Balance	NA	NA
Dioxins/Furans	See Table 2-4	30 days to extraction, 45 days to analysis	1-L amber (unpreserved)
Metals	See Table 2-4	180 days	500-mL poly (HNO_3)
	Hexavalent Chromium	24 hours	250 mL poly (unpreserved)
	Mercury	28 days	500-mL poly (HNO_3)
Organochlorine Pesticides	See Table 2-4	7 days to extraction, 40 days to analysis	1-L amber (unpreserved)
Polychlorinated Biphenyls	See Table 2-4	1 year to extraction, 45 days to analysis	1-L amber (unpreserved)
Polynuclear Aromatic Hydrocarbons	See Table 2-4	7 days to extraction, 40 days to analysis	1-L amber (unpreserved)
Radionuclides	See Table 2-4	6 months	4-L poly (HNO_3)
Semivolatile Organic Compounds	See Table 2-4	7 days to extraction, 40 days to analysis	1-L amber (unpreserved)
Volatile Organic Compounds	See Table 2-4	14 days	40-mL VOAs (HCl)
Water Quality Parameters	Hardness	6 months	1-L poly (HNO_3)
	Conductivity	28 days	1-L poly (unpreserved)
	Total Dissolved Solids	7 days	
	Alkalinity	14 days	
White Phosphorus	White Phosphorus	30 days	500 ml amber (unpreserved)
Methyl Mercury	Methyl Mercury	48 hrs to preserve, 6 months to analysis	500-mL fluoro-polymer or boro-silicate bottle (HCl)

Note: A number of the methods (8270, 8081, 8082, 8151, and 8310) require addition of $Na_2S_2O_3$ if residual chlorine is present. This may be unnecessary for groundwater but is noted here for completeness.

TABLE 2-6
DATA VALIDATION QUALIFIERS AND REASON CODES
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Laboratory Qualifier	Definition
U	Organic and inorganic analyses: the analyte was not detected above the level of the reported sample quantitation limit.
B	Inorganic analyses: the analyte was detected between the method detection limit and the sample quantitation limit. Organic analyses: the analyte was detected in the associated method blank.
J	Organic analyses: the analyte was detected between the method detection limit and the sample quantitation limit.
E	Organic and inorganic analyses: the sample concentration was greater than the calibration's upper limit and should be considered to be an estimated value.
*	Inorganic analyses: the analytical duplicate precision was not within control limits.
N	Inorganic analyses: the matrix spike was not within control limits.
D	Organic and inorganic analyses: the sample result was diluted.

Functional Guidelines Validation Qualifier	Definition
J	The result is an estimated quantity. the associated numerical value is the approximate concentration of the analyte in the sample.
U	The analyte was detected, but qualified as nondetected during data validation due to blank contamination.
UJ	The nondetected analyte was qualified as estimated at the sample quantitation limit. The reported sample quantitation limit is approximate and may be inaccurate or imprecise.
R	The sample result is rejected and unusable due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.
J+	Inorganics analyses: the result is an estimated quantity, biased high. The associated numerical value is the approximate concentration of the analyte in the sample.
J-	Inorganics analyses: the result is an estimated quantity, biased low. The associated numerical value is the approximate concentration of the analyte in the sample.

TABLE 2-6
DATA VALIDATION QUALIFIERS AND REASON CODES
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Project- Specific Validation Qualifier	Definition
X	The analytical result is not used for reporting because a more accurate and precise result is reported in its place.
Z	The associated data has not been subjected to the data review/validation process.
J+	Organics analyses: the result is an estimated quantity, biased high. The associated numerical value is the approximate concentration of the analyte in the sample.
J-	Organics analyses: the result is an estimated quantity, biased low. The associated numerical value is the approximate concentration of the analyte in the sample.
J-TDS	Inorganic analysis: the analytical result is estimated based on failure of Total Dissolved Solids (TDS) correctness check performed in accordance with Standard Methods (see Section 5.1)
J-CAB	Inorganic analysis: the analytical result is estimated based on failure of cation-anion balance correctness check performed in accordance with Standard Methods
J-TDS&CAB	Inorganic analysis: the analytical result is unreliable based on failure of cation-anion balance and TDS correctness checks performed in accordance with Standard Methods.

Validation Reason Code	Definition
1	The sample preparation and/or analytical holding time was exceeded.
2[#]	The analyte was detected below the report limit but above the method detection limit.
3	The analyte was detected in an associated laboratory blank sample.
4	The MS/MSD recovery was outside of control limits.
5	The LCS recovery was outside of control limits.
6[##]	The MS/MSD RPD was outside of control limits.
7[##]	The LCS RPD was outside of control limits.
8	The surrogate recovery was outside of control limits.
9[##]	Level IV data validation qualification.
10	The sample chromatogram did not resemble the standard hydrocarbon pattern.
11	The sample concentration was greater than the instrument's calibration range.
12	The calibration criterion of RRF, %D, and/or %RSD was not met.

TABLE 2-6
DATA VALIDATION QUALIFIERS AND REASON CODES
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Validation Reason Code	Definition
13	The analyte was detected in field blank, rinsate blank, and/or trip blank sample.
14	The internal standards did not meet control criteria.
15	The serial dilution did not meet control criteria.
16	The difference between columns did not meet control criteria.
17	Field duplicates did not meet the 50% RPD control criterion.
18	Sample receipt temperature exceeded the acceptable range of from 4 to 6 degrees Celsius.
19	Analytical duplicate precision did not meet control criteria.
20	Headspace in vials containing water samples to be analyzed for volatiles.
21	The tracer yields did not meet control criteria.
22	The ratio of the measured TDS value to the mathematically calculated TDS sum was outside the specified error range (the cation-anion balance was within the error limits specified in Standard Methods).
23	The cation-anion balance was outside the error limits specified in Standard Methods (the ratio of the measured TDS value to the mathematically calculated TDS sum was within the specified error range).
24	The cation-anion balance was outside the error limits specified in Standard Methods, and the ratio of the measured TDS value to the mathematically calculated TDS sum was outside the specified error range.
25	Other

[#] This reason code is applied to data entries with lab qualifiers J or B, as defined above.

[##] These reason codes were used in the validation of historical data and will not be used in current and future site investigations.

TABLE 3-1
HISTORICAL GROUNDWATER ELEVATION DATA
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 5)

Well ID	Well Installation Date	Surface Elevation (ft.-amsl)	Northing	Easting	Top of Casing Elevation (ft.-amsl)	Date Measured	Depth to Water (ft.-btoc)	Groundwater Elevation (ft.-amsl)
AA-BW-01A	03/10/05	1752.84	26719802.79	826112.39	1754.56	4/1/2005	39.18	1715.38
						10/22/2007	39.97	1714.59
						1/19/2009	39.68	1714.88
						4/27/2009	39.71	1714.85
						7/20/2009	39.88	1714.68
						10/26/2009	39.70	1714.86
AA-BW-02A	03/08/05	1746.78	26720214.67	826041.40	1748.80	4/1/2005	41.78	1707.02
						10/22/2007	41.79	1707.01
						1/19/2009	41.61	1707.19
						4/27/2009	41.96	1706.84
						7/20/2009	41.63	1707.17
						10/26/2009	41.53	1707.27
AA-BW-03A	03/02/05	1739.48	26720593.46	825973.66	1741.63	4/1/2005	39.86	1701.77
						10/22/2007	39.85	1701.78
						1/21/2009	39.67	1701.96
						4/28/2009	39.85	1701.78
						7/23/2009	39.61	1702.02
						10/27/2009	39.66	1701.97
AA-BW-04A	02/24/05	1729.47	26721142.81	825492.25	1731.49	4/1/2005	38.18	1693.31
						10/22/2007	38.53	1692.96
						1/26/2009	38.17	1693.32
						4/20/2009	37.95	1693.54
						7/21/2009	37.81	1693.68
						10/21/2009	38.25	1693.24
AA-BW-05A	02/12/05	1729.21	26721183.83	825065.41	1731.40	4/1/2005	35.31	1696.09
						10/22/2007	34.08	1697.32
						1/23/2009	33.77	1697.63
						4/21/2009	33.60	1697.80
						7/21/2009	33.65	1697.75
						10/20/2009	33.73	1697.67
AA-BW-06A	03/10/05	1729.28	26721238.26	824476.16	1731.40	4/1/2005	34.22	1697.18
						10/22/2007	33.40	1698.00
						1/27/2009	32.89	1698.51
						4/22/2009	32.63	1698.77
						7/30/2009	32.76	1698.64
						10/23/2009	32.72	1698.68

TABLE 3-1
HISTORICAL GROUNDWATER ELEVATION DATA
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Well ID	Well Installation Date	Surface Elevation (ft.-amsl)	Northing	Easting	Top of Casing Elevation (ft.-amsl)	Date Measured	Depth to Water (ft.-btoc)	Groundwater Elevation (ft.-amsl)
AA-BW-07A	02/28/05	1739.89	26720637.98	823979.46	1741.73	4/1/2005	39.97	1701.76
						10/22/2007	39.92	1701.81
						1/21/2009	39.42	1702.31
						4/23/2009	39.28	1702.45
						7/22/2009	39.43	1702.30
						10/28/2009	39.31	1702.42
AA-BW-08A	03/15/05	1761.28	26719492.77	825332.70	1763.18	4/1/2005	51.80	1711.38
						10/22/2007	51.18	1712.00
						1/20/2009	51.09	1712.09
						4/16/2009	50.92	1712.26
						4/28/2009	50.89	1712.29
						7/29/2009	50.87	1712.31
						10/29/2009	50.76	1712.42
AA-BW-08B	03/17/05	1761.47	26719495.75	825289.89	1763.63	4/1/2005	52.41	1711.22
						10/22/2007	51.83	1711.80
						1/30/2009	51.67	1711.96
						4/16/2009	51.53	1712.10
						4/28/2009	51.46	1712.17
						7/29/2009	51.46	1712.17
						10/29/2009	51.40	1712.23
AA-BW-09A	03/11/05	1761.59	26719455.90	825703.31	1763.12	4/1/2005	48.37	1714.75
						10/22/2007	48.92	1714.20
						1/20/2009	48.82	1714.30
						4/29/2009	48.75	1714.37
						7/24/2009	48.80	1714.32
						10/29/2009	48.70	1714.42
AA-BW-12A	02/15/05	1776.54	26718772.36	824440.21	1778.54	4/1/2005	53.07	1725.47
						10/22/2007	51.53	1727.01
						4/16/2009	50.81	1727.73
						11/13/2009	50.44	1728.10
AA-MW-07	9/12/06	1761.91	26719344.40	826126.54	1764.22	1/22/2009	38.85	1725.37
						4/15/2009	38.71	1725.51
						4/24/2009	38.67	1725.55
						7/27/2009	38.84	1725.38
						10/22/2009	38.59	1725.63

TABLE 3-1
HISTORICAL GROUNDWATER ELEVATION DATA
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Well ID	Well Installation Date	Surface Elevation (ft.-amsl)	Northing	Easting	Top of Casing Elevation (ft.-amsl)	Date Measured	Depth to Water (ft.-btoc)	Groundwater Elevation (ft.-amsl)
EC-2	2/10/98	1770.00	26719453.56	825069.70	1771.43	1/22/2009	56.19	1715.24
						1/28/2009	56.20	1715.23
						4/14/2009	56.03	1715.40
						4/15/2009	56.07	1715.36
						4/24/2009	55.98	1715.45
						7/27/2009	56.06	1715.37
						10/22/2009	55.94	1715.49
H-21R	—	1729.64	26721148.51	824914.54	1730.35	1/23/2009	32.04	1698.31
						4/16/2009	31.91	1698.44
						4/20/2009	31.87	1698.48
						7/16/2009	31.86	1698.49
						10/21/2009	31.97	1698.38
H-28	2/18/80	1729.10	26721024.80	825845.21	1732.90	1/24/2009	39.03	1693.87
						1/28/2009	39.05	1693.85
						4/13/2009	38.75	1694.15
						4/22/2009	38.73	1694.17
						7/22/2009	38.60	1694.30
						10/20/2009	38.96	1693.94
H-43	2/28/80	1728.20	26721179.60	824660.68	1731.22	1/27/2009	32.62	1698.60
						4/13/2009	32.40	1698.82
						4/21/2009	32.41	1698.81
						7/30/2009	32.47	1698.75
						10/28/2009	32.49	1698.73
M7B	12/1/98	1730.35	26720979.66	826106.50	1732.83	1/28/2009	36.17	1696.66
						4/23/2009	36.09	1696.74
						7/28/2009	36.11	1696.72
						10/28/2009	36.23	1696.60
MC-80	8/9/83	1726.50	26721174.00	825675.06	INA	1st Qrtr 2009	WNL	- -
						2nd Qrtr 2009	WNL	- -
						3rd Qrtr 2009	WNL	- -
						4th Qrtr 2009	WNL	- -
MC-MW-10	9/21/06	1801.21	26717919.06	825523.88	1803.91	1st Qrtr 2009	WNM	- -
						4/15/2009	56.83	1747.08
						7/15/2009	56.49	1747.42
						10/14/2009	55.99	1747.92

TABLE 3-1
HISTORICAL GROUNDWATER ELEVATION DATA
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Well ID	Well Installation Date	Surface Elevation (ft.-amsl)	Northing	Easting	Top of Casing Elevation (ft.-amsl)	Date Measured	Depth to Water (ft.-btoc)	Groundwater Elevation (ft.-amsl)
MC-MW-11	9/26/06	1801.94	26717766.00	824860.15	1804.50	1st Qrtr 2009	WNM	- -
						4/15/2009	57.91	1746.59
						7/15/2009	57.60	1746.90
						10/14/2009	56.97	1747.53
MC-MW-12	11/13/06	1797.38	26717903.04	826293.89	1800.04	1st Qrtr 2009	WNM	- -
						4/15/2009	41.54	1758.50
						7/15/2009	41.69	1758.35
						11/17/2009	41.33	1758.71
MC-MW-28	6/24/09	1760.62	26719450.04	825775.48	1763.03	1st Qrtr 2009	WNM	- -
						2nd Qrtr 2009	WNM	- -
						3rd Qrtr 2009	WNM	- -
						10/13/2009	-18.48	1781.51
MC-MW-30	6/5/09	1715.64	26721948.80	825000.22	1718.23	1st Qrtr 2009	WNM	- -
						2nd Qrtr 2009	WNM	- -
						7/15/2009	26.18	1692.05
						10/12/2009	26.82	1691.41
MC-MW-31	6/4/09	1714.47	26722161.64	824775.80	1716.85	1st Qrtr 2009	WNM	- -
						2nd Qrtr 2009	WNM	- -
						7/15/2009	28.66	1688.19
						10/12/2009	29.16	1687.69
MCF-BW-08	3/14/05	1761.52	26719495.15	825299.59	1763.39	1/30/2009	49.98	1713.41
						4/27/2009	50.05	1713.34
						7/24/2009	49.15	1714.24
						10/29/2009	49.63	1713.76
MCF-BW-11A	3/23/05	1776.18	26718693.95	824044.54	1778.38	1st Qrtr 2009	WNM	- -
						4/16/2009	48.55	1729.83
						11/13/2009	48.03	1730.35
MW-8	8/27/04	1800.95	26717925.04	825564.56	1803.63	1st Qrtr 2009	WNM	- -
						2nd Qrtr 2009	WNM	- -
						7/15/2009	-2.31	1805.94
						10/14/2009	0	1803.63
TR-11	10/1/99	1714.80	26721918.29	825422.57	1717.12	1st Qrtr 2009	WNM	- -
						4/15/2009	-9.23	1726.35
						7/15/2009	-6.93	1724.05
						10/13/2009	-9.23	1726.35

TABLE 3-1
HISTORICAL GROUNDWATER ELEVATION DATA
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Well ID	Well Installation Date	Surface Elevation (ft.-amsl)	Northing	Easting	Top of Casing Elevation (ft.-amsl)	Date Measured	Depth to Water (ft.-btoc)	Groundwater Elevation (ft.-amsl)
TR-12	10/1/99	1693.44	26723271.82	825286.37	1695.84	1st Qrtr 2009	WNM	- -
						4/16/2009	-4.61	1700.45
						7/15/2009	-27.72	1723.56
						10/13/2009	-30.03	1725.87

Notes:
amsl - Above mean sea level
WNL - Well Not Located
WNM - Well Not Measured

TABLE 3-2a
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 1ST QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/L	12	8%	11	2	2.1	3.5	4.3	4.3	11	1	3	--	3	3	--	3	--	--	--	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/L	12	0%	12	3.3	3.8	4.8	4.6	4.575	18	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/L	12	8%	11	1.8	2.5	3.4	2.9	2.9	13	1	0.66	--	0.66	0.66	--	0.66	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/L	12	8%	11	2.5	2.7	3.4	4.2	4.2	7.1	1	1.6	--	1.6	1.6	--	1.6	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/L	12	0%	12	3	3.8	4.9	5.6	5.6	12	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/L	12	0%	12	1.9	2.4	2.6	2.5	2.475	6.4	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/L	12	0%	12	2.4	3.1	3.9	4.5	4.5	9.6	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/L	12	0%	12	2.5	2.7	3.1	3.7	3.725	7.3	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/L	12	0%	12	2.5	3.2	4.1	4.8	4.75	10	0	--	--	--	--	--	--	--	--	11	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/L	12	0%	12	2.6	3.3	3.6	3.8	3.8	10	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/L	12	0%	12	3.4	4.9	11	13	12.8	49	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/L	12	0%	12	2.1	2.5	2.6	2.7	2.65	6.8	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/L	12	0%	12	2.2	3.1	3.6	3.7	3.65	11	0	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/L	12	8%	11	1.8	2.1	2.9	2.4	2.4	12	1	3.5	--	3.5	3.5	--	3.5	--	--	--	--
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/L	12	0%	12	2.5	4.9	130	61	60.525	960	0	--	--	--	--	--	--	30	--	0.45	--
	Octachlorodibenzodioxin	pg/L	12	8%	11	4.2	8.3	14	26	26	47	1	1.3	--	1.3	1.3	--	1.3	--	--	--	--
	Octachlorodibenzofuran	pg/L	12	8%	11	3.7	4.7	7.4	7	7	34	1	2.8	--	2.8	2.8	--	2.8	--	--	--	--
	TCDD TEQ	pg/L	12	--[c]	--	--	--	--	--	--	--	12	4	5.9	8.2	71	40	500	--	--	--	--
General Chemistry	Bromide	ug/L	17	59%	7	260	260	1300	2600	2600	2600	10	660	750	1000	1000	1300	1500	--	--	--	--
	Bromine	ug/L	17	59%	7	5000	5000	24000	50000	50000	50000	10	1300	1500	2100	2100	2600	3000	--	--	--	--
	Chlorate	ug/L	17	18%	14	47	47	200	470	470	470	3	68	68	92	3900	11000	11400	--	--	--	--
	Chloride	mg/L	17	100%	0	--	--	--	--	--	--	17	1610	3400	6200	7600	9600	30900	--	--	--	--
	Chlorine	mg/L	17	100%	0	--	--	--	--	--	--	17	3230	6700	12000	15000	19000	61700	4	17	4	17
	Chlorite	ug/L	6	0%	6	80	140	210	400	400	400	0	--	--	--	--	--	--	1000	--	--	--
	Fluoride	ug/L	17	88%	2	--	100	100	--	--	100	15	410	1000	1100	1200	1600	2500	4000	0	4000	0
	Iodide	ug/L	17	29%	12	3000	3000	4800	3000	3000	30000	5	15900	19000	34000	60000	110000	183000	--	--	--	--
	Ion Balance Difference	percent	17	100%	0	--	--	--	--	--	--	17	0.2	1	1.6	2.3	3.6	7.3	--	--	--	--
	Nitrate	ug/L	17	18%	14	5	50	37	50	50	50	3	18	18	740	790	1600	1600	10000	0	10000	0
	Nitrite	ug/L	17	0%	17	300	300	1600	3000	3000	6000	0	--	--	--	--	--	--	1000	--	1000	--
	Orthophosphate	ug/L	17	35%	11	50	500	300	500	500	500	6	190	210	400	390	500	710	--	--	--	--
	Perchlorate	ug/L	17	18%	14	18	50	120	200	200	500	3	66	66	310	17000	52000	52000	--	--	18	3
	Sulfate	mg/L	17	100%	0	--	--	--	--	--	--	17	965	1200	1600	1900	2200	4380	--	--	--	--
Metals	Aluminum	ug/L	17	59%	7	36	36	37	36	36	72	10	18.9	19	43	55	90	148	--	--	36500	0
	Antimony	ug/L	17	0%	17	0.35	0.35	0.52	0.7	0.7	1.4	0	--	--	--	--	--	--	6	--	6	--
	Arsenic	ug/L	17	100%	0	--	--	--	--	--	--	17	28.8	96	140	180	220	630	10	17	10	17
	Barium	ug/L	17	100%	0	--	--	--	--	--	--	17	35.2	39	43	47	55	67.2	2000	0	2000	0
	Beryllium	ug/L	17	0%	17	0.4	0.4	0.59	0.8	0.8	1.6	0	--	--	--	--	--	--	4	--	4	--
	Boron	ug/L	17	100%	0	--	--	--	--	--	--	17	996	1500	1800	2000	2400	4270	--	--	7300	0
	Cadmium	ug/L	17	6%	16	0.2	0.3	0.31	0.4	0.4	0.8	1	0.08	--	0.08	0.08	--	0.08	5	0	5	0
	Calcium	ug/L	17	100%	0	--	--	--	--	--	--	17	223000	340000	400000	560000	710000	1650000	--	--	--	--
	Chromium (Total)	ug/L	17	12%	15	2.5	5	4.1	5	5	10	2	1.1	--	1.3	1.3	--	1.5	100	0	100	0
	Chromium (VI)	ug/L	17	0%	17	10	10	38	50	50	250	0	--	--	--	--	--	--	100	--	100	--
	Cobalt	ug/L	17	100%	0	--	--	--	--	--	--	17	0.13	0.33	0.67	1.4	1.2	11.5	--	--	11	1
	Copper	ug/L	17	0%	17	2.8	2.8	4.1	5.6	5.6	11	0	--	--	--	--	--	--	1300	--	1360	--
	Iron	ug/L	17	100%	0	--	--	--	--	--	--	17	488	640	930	3800	1800	46700	--	--	25600	1
	Lead	ug/L	17	6%	16	0.9	1.4	1.4	1.8	1.8	3.6	1	0.45	--	0.45	0.45	--	0.45	15	0	15	0
	Lithium	ug/L	17	88%	2	--	26	26	--	--	26	15	248	380	500	540	670	1200	--	--	73	15
	Magnesium	ug/L	17	100%	0	--	--	--	--	--	--	17	151000	340000	430000	570000	690000	2150000	--	--	207000	15
	Manganese	ug/L	17	100%	0	--	--	--	--	--	--	17	1.9	270	550	940	1600	2710	--	--	510	10
	Mercury	ug/L	17	0%	17	0.027	0.027	0.027	0.027	0.027	0.027	0	--	--	--	--	--	--	2	--	10.95	--
	Molybdenum	ug/L	17	100%	0	--	--	--	--	--	--	17	3.7	16	28	27	33	70.9	--	--	180	0
	Nickel	ug/L	17	94%	1	--	3	3	--	--	3	16	1.6	3	3.5	4	5.2	7.3	--	--	730	0
	Potassium	ug/L	17	100%	0	--	--	--	--	--	--	17	16600	21000	30000	36000	45000	90700	--	--	--	--
	Selenium	ug/L	17	29%	12	3.5	5.3	5.7	7	7	14	5	1.4	2	8.5	7.2	12	12.2	50	0	50	0
	Silver	ug/L	17	0%	17	0.8	0.8	1.2	1.6	1.6	3.2	0	--	--	--	--	--	--	--	--	180	--
	Sodium	ug/L	17	100%	0	--	--	--	--	--	--	17	834000	1400000	2700000	4100000	6000000	16000000	--	--	--	--
	Strontium	ug/L	17	100%	0	--	--	--	--	--	--	17	5490	10000	14000	17000	21000	50500	--	--	21900	3
	Thallium	ug/L	17	18%	14	0.085	0.1	0.14	0.2	0.2	0.4	3	0.31	0.31	0.5	0.46	0.57	0.57	2	0	2	0
	Tin	ug/L	17	0%	17	0.85	0.85	1.3	1.7	1.7	3.4	0	--	--	--	--	--	--	--	--	21900	--
	Titanium	ug/L	17	41%	10	3	3	3.7	6	6	6	7	3.2	3.4	4.3	5.1	5.6	10.7	--	--	146000	0
	Tungsten	ug/L	17	35%	11	0.11	0.22	0.18	0.22	0.22	0.44	6	0.39	3.8	6.3	5.4	7.1	7.8	--	--	270	0
	Uranium	ug/L	17	100%	0	--	--	--	--	--	--	17	0.51	8.3	26	48	61	350	30	6	30	6
	Vanadium	ug/L	17	24%	13	10	20	16	20	20	40	4	18.4	19	78	77	140	136	--	--	180	0
	Zinc	ug/L	17	12%	15	10	20	16	20	20	40	2	4.2	--	86	86	--	168	--	--	11000	0

TABLE 3-2a
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 1ST QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Organochlorine Pesticides	2,4-DDD	ug/L	17	18%	14	0.011	0.011	0.011	0.011	0.011	0.011	3	0.08	0.08	0.18	0.34	0.76	0.76	--	--	--	--
	2,4-DDE	ug/L	17	41%	10	0.009	0.009	0.009	0.009	0.009	0.009	7	0.055	0.16	0.28	0.39	0.6	0.8	--	--	--	--
	4,4-DDD	ug/L	17	0%	17	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0	--	--	--	--	--	--	--	--	0.28	--
	4,4-DDE	ug/L	17	0%	17	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0	--	--	--	--	--	--	--	--	0.2	--
	4,4-DDT	ug/L	17	0%	17	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0	--	--	--	--	--	--	--	--	0.2	--
	Aldrin	ug/L	17	6%	16	0.004	0.004	0.004	0.004	0.004	0.004	1	0.46	--	0.46	0.46	--	0.46	--	--	0.004	1
	alpha-BHC	ug/L	17	94%	1	--	0.0025	0.0025	--	--	0.0025	16	0.35	2.2	8.5	63	89	390	--	--	0.011	16
	alpha-Chlordane	ug/L	17	12%	15	0.003	0.003	0.003	0.003	0.003	0.003	2	0.067	--	0.17	0.17	--	0.28	--	--	--	--
	beta-BHC	ug/L	17	53%	8	0.013	0.013	0.013	0.013	0.013	0.013	9	2	19	28	34	50	89	--	--	0.037	9
	Chlordane	ug/L	17	0%	17	0.18	0.18	0.18	0.18	0.18	0.18	0	--	--	--	--	--	--	2	--	2	--
	delta-BHC	ug/L	17	100%	0	--	--	--	--	--	--	17	0.086	1.6	3	5.2	6.3	35	--	--	--	--
	Dieldrin	ug/L	17	6%	16	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	1	0.22	--	0.22	0.22	--	0.22	--	--	0.0042	1
	Endosulfan I	ug/L	17	6%	16	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	1	0.31	--	0.31	0.31	--	0.31	--	--	--	--
	Endosulfan II	ug/L	17	18%	14	0.01	0.01	0.01	0.01	0.01	0.01	3	0.15	0.15	0.17	0.18	0.23	0.23	--	--	--	--
	Endosulfan sulfate	ug/L	17	0%	17	0.017	0.017	0.017	0.017	0.017	0.017	0	--	--	--	--	--	--	--	--	--	--
	Endrin	ug/L	17	0%	17	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0	--	--	--	--	--	--	2	--	2	--
	Endrin aldehyde	ug/L	17	18%	14	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	3	0.097	0.097	0.12	0.34	0.8	0.8	--	--	--	--
	Endrin ketone	ug/L	17	0%	17	0.016	0.016	0.016	0.016	0.016	0.016	0	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	ug/L	17	6%	16	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	1	0.074	--	0.074	0.074	--	0.074	--	--	--	--
	Heptachlor	ug/L	17	0%	17	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0	--	--	--	--	--	--	0.4	--	0.4	--
	Heptachlor epoxide	ug/L	17	0%	17	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0	--	--	--	--	--	--	0.2	--	0.2	--
	Lindane	ug/L	17	71%	5	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	12	0.2	0.25	1.2	5.2	4.3	39	0.2	10	0.2	10
	Methoxychlor	ug/L	17	6%	16	0.005	0.005	0.005	0.005	0.005	0.005	1	0.2	--	0.2	0.2	--	0.2	40	0	40	0
	Toxaphene	ug/L	17	0%	17	0.33	0.33	0.33	0.33	0.33	0.33	0	--	--	--	--	--	--	3	--	3	--
Others	Methyl mercury	ng/L	16	38%	10	0.02	0.02	0.02	0.02	0.02	0.02	6	0.028	0.046	0.2	0.36	0.76	0.978	--	--	3.7	0
	White phosphorus	ug/L	16	0%	16	0.023	0.023	0.023	0.023	0.023	0.023	0	--	--	--	--	--	--	--	--	0.73	--
Polynuclear Aromatic Hydrocarbons	Acenaphthene	ug/L	17	18%	14	0.048	0.048	0.052	0.048	0.04825	0.1	3	0.0512	0.051	0.17	0.19	0.34	0.336	--	--	2190	0
	Acenaphthylene	ug/L	17	0%	17	0.048	0.048	0.051	0.049	0.0485	0.1	0	--	--	--	--	--	--	--	--	1100	--
	Anthracene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0968	--	0.097	0.097	--	0.0968	--	--	11000	0
	Benzo(a)anthracene	ug/L	17	0%	17	0.048	0.048	0.051	0.049	0.0485	0.1	0	--	--	--	--	--	--	--	--	0.092	--
	Benzo(a)pyrene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0759	--	0.076	0.076	--	0.0759	0.2	0	0.2	0
	Benzo(b)fluoranthene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0727	--	0.073	0.073	--	0.0727	--	--	0.092	0
	Benzo(g,h,i)perylene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0699	--	0.07	0.07	--	0.0699	--	--	1100	0
	Benzo(k)fluoranthene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0764	--	0.076	0.076	--	0.0764	--	--	0.92	0
	Chrysene	ug/L	17	0%	17	0.048	0.048	0.051	0.049	0.049	0.1	0	--	--	--	--	--	--	--	--	9.2	--
	Dibenzo(a,h)anthracene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0899	--	0.09	0.09	--	0.0899	--	--	0.0092	1
	Indeno(1,2,3-cd)pyrene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0633	--	0.063	0.063	--	0.0633	--	--	0.092	0
	Phenanthrene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.267	--	0.27	0.27	--	0.267	--	--	1100	0
	Pyrene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0914	--	0.091	0.091	--	0.0914	--	--	1100	0
Polychlorinated Biphenyls	PCB 105	pg/L	11	9%	10	20	20	20	20	20	20	1	26	--	26	26	--	26	--	--	--	--
	PCB 114	pg/L	11	0%	11	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 118	pg/L	11	64%	4	20	20	20	20	20	20	7	21	21	26	32	50	51	--	--	--	--
	PCB 123	pg/L	11	0%	11	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 126	pg/L	11	0%	11	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 156	pg/L	12	0%	12	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 157	pg/L	12	0%	12	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 167	pg/L	12	0%	12	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 169	pg/L	12	0%	12	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 189	pg/L	12	0%	12	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 209	pg/L	12	0%	12	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 77	pg/L	11	0%	11	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 81	pg/L	11	0%	11	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
Radionuclides	Radium-226	pCi/L	17	71%	5	--	--	--	--	--	--	12	0.299	1	1.4	2.7	3.8	9.68	--	--	--	--
	Radium-226/228	pCi/L	17	--	--	--	--	--	--	--	--	17	0.45	1.9	3.6	4.5	7.3	10.9	5	6	--	--
	Radium-228	pCi/L	17	88%	2	--	--	--	--	--	--	15	0.15	0.79	1.3	1.8	2.1	9.51	--	--	--	--
	Radon-222	pCi/L	17	94%	1	--	--	--	--	--	--	16	66.4	250	410	410	560	867	4000	0	300	10
	Thorium-228	pCi/L	17	0%	17	--	--	--	--	--	--	0	-0.229	-0.13	-0.034	-0.026	0.024	0.299	--	--	--	--
	Thorium-230	pCi/L	17	18%	14	--	--	--	--	--	--	3	-0.19	0.05	0.14	0.13	0.21	0.349	--	--	--	--
	Thorium-232	pCi/L	17	0%	17	--	--	--	--	--	--	0	-0.0865	-0.034	-0.0038	0.03	0.1	0.181	--	--	--	--
	Uranium-233/234	pCi/L	17	88%	2	--	--	--	--	--	--	15	-0.03	3.1	10	20	25	156	--	--	--	--
	Uranium-235/236	pCi/L	17	65%	6	--	--	--	--	--	--	11	0.0647	0.23	0.71	1.1	1.5	5.57	--	--	--	--
	Uranium-238	pCi/L	17	100%	0	--	--	--	--	--	--	17	0.299	2.6	8.5	15	18	106	--	--	--	--

TABLE 3-2a
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 1ST QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 3 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	1,2,4,5-Tetrachlorobenzene	ug/L	17	6%	16	1.9	1.9	4.5	2	1.975	20	1	28.5	--	29	29	--	28.5	--	--	11	1
	1,2-Diphenylhydrazine	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	0.084	--
	1,4-Dioxane	ug/L	17	6%	16	0.95	0.96	2.8	3.1	3.1	9.8	1	2.28	--	2.3	2.3	--	2.28	--	--	6.1	0
	2,2'-/4,4'-Dichlorobenzil	ug/L	17	0%	17	3.1	3.2	8.7	8.2	8.15	32	0	--	--	--	--	--	--	--	--	10.95	--
	2,4,5-Trichlorophenol	ug/L	17	18%	14	0.95	0.96	3	5.2	5.225	9.8	3	1.2	1.2	1.2	1.7	2.8	2.79	--	--	3650	0
	2,4,6-Trichlorophenol	ug/L	17	24%	13	1.9	1.9	5	4.8	4.8	20	4	2.61	3.7	14	16	31	34.2	--	--	6.1	3
	2,4-Dichlorophenol	ug/L	17	47%	9	1.9	1.9	3.8	1.9	1.9	19	8	3	7.7	19	29	56	78.8	--	--	110	0
	2,4-Dimethylphenol	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	730	--
	2,4-Dinitrophenol	ug/L	17	0%	17	9.5	9.6	26	24	24	98	0	--	--	--	--	--	--	--	--	73	--
	2,4-Dinitrotoluene	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	0.22	--
	2,6-Dinitrotoluene	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	37	--
	2-Chloronaphthalene	ug/L	17	12%	15	0.33	0.34	1	1.3	1.3	3.4	2	2.66	--	2.8	2.8	--	2.98	--	--	2920	0
	2-Chlorophenol	ug/L	17	35%	11	1.9	1.9	3.5	1.9	1.9	20	6	15.9	20	25	33	46	77.4	--	--	180	0
	2-Methylnaphthalene	ug/L	17	12%	15	0.29	0.29	0.69	0.29	0.29	2.9	2	0.651	--	2.1	2.1	--	3.45	--	--	--	--
	2-Nitroaniline	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	110	--
	2-Nitrophenol	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	--	--
	3,3-Dichlorobenzidine	ug/L	17	0%	17	0.95	0.96	2.6	2.4	2.4	9.8	0	--	--	--	--	--	--	--	--	0.15	--
	3-Nitroaniline	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	--	--
	4-Bromophenyl phenyl ether	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	ug/L	17	0%	17	3.1	3.2	8.7	8.2	8.15	32	0	--	--	--	--	--	--	--	--	--	--
	4-Nitroaniline	ug/L	17	0%	17	2.9	2.9	8	7	7	29	0	--	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	290	--
	Acetophenone	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	3650	--
	Aniline	ug/L	17	0%	17	2.4	2.4	6.7	6	6	25	0	--	--	--	--	--	--	--	--	12	--
	Benzenethiol	ug/L	17	47%	9	6.3	6.4	13	6.4	6.4	63	8	8.98	17	25	70	120	244	--	--	--	--
	Benzoic acid	ug/L	17	0%	17	5.7	5.8	16	15	14.5	59	0	--	--	--	--	--	--	--	--	146000	--
	Benzyl alcohol	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	18300	--
	bis(2-Chloroethoxy)methane	ug/L	17	0%	17	2.9	2.9	8	7	7	29	0	--	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	0.054	--
	bis(2-Chloroisopropyl) ether	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	0.9	--
	bis(2-Ethylhexyl)phthalate	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	6	--	6	--
	bis(p-Chlorophenyl) sulfone	ug/L	17	6%	16	3.1	3.2	7.3	3.3	3.275	32	1	48.9	--	49	49	--	48.9	--	--	--	--
	bis(p-Chlorophenyl)disulfide	ug/L	16	31%	11	3.1	3.2	6.6	3.2	3.2	31	5	3.91	4.7	33	370	900	1530	--	--	--	--
	Butylbenzyl phthalate	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	7300	--
	Carbazole	ug/L	17	0%	17	0.19	0.19	0.53	0.48	0.48	2	0	--	--	--	--	--	--	--	--	3.4	--
	Dibenzofuran	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	73	--
	Diethyl phthalate	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	29200	--
	Dimethyl phthalate	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	365000	--
	Di-n-butyl phthalate	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	3650	--
	Di-n-octyl phthalate	ug/L	17	0%	17	2.9	2.9	8	7	7	29	0	--	--	--	--	--	--	--	--	--	--
	Diphenyl disulfide	ug/L	17	41%	10	3.1	3.2	6.9	5.7	5.65	31	7	3.42	5.3	36	450	260	2790	--	--	--	--
	Diphenyl sulfide	ug/L	17	0%	17	3.1	3.2	8.7	8.2	8.15	32	0	--	--	--	--	--	--	--	--	--	--
	Diphenyl sulfone	ug/L	17	0%	17	3.1	3.2	8.7	8.2	8.15	32	0	--	--	--	--	--	--	--	--	110	--
	Diphenylamine	ug/L	17	0%	17	2.9	2.9	8	7	7	29	0	--	--	--	--	--	--	--	--	910	--
	Fluoranthene	ug/L	17	0%	17	0.19	0.19	0.53	0.48	0.48	2	0	--	--	--	--	--	--	--	--	1460	--
	Fluorene	ug/L	17	0%	17	0.19	0.19	0.53	0.48	0.48	2	0	--	--	--	--	--	--	--	--	1460	--
	Hexachlorobenzene	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	1	--	1	--
	Hexachlorobutadiene	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	0.86	--
	Hexachlorocyclopentadiene	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	50	--	50	--
	Hexachloroethane	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	4.8	--
	Hydroxymethyl phthalimide	ug/L	17	0%	17	3.1	3.2	8.7	8.2	8.15	32	0	--	--	--	--	--	--	--	--	--	--
	Isophorone	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	71	--
	m,p-Cresols	ug/L	17	0%	17	2.9	2.9	8	7	7	29	0	--	--	--	--	--	--	--	--	--	--
	Naphthalene	ug/L	17	24%	13	0.29	0.29	0.89	1.6	1.595	2.9	4	0.3	0.32	1.1	1.2	2.3	2.41	--	--	4.3	0
	Nitrobenzene	ug/L	17	0%	17	2.9	2.9	8	7	7	29	0	--	--	--	--	--	--	--	--	3.7	--
	N-nitrosodi-n-propylamine	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	0.0096	--
	o-Cresol	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	1830	--
	Octachlorostyrene	ug/L	17	0%	17	3.1	3.2	8.7	8.2	8.15	32	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2a
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 1ST QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	p-Chloroaniline	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	150	--
	p-Chlorobenzenethiol	ug/L	17	47%	9	3.1	3.2	6.2	3.2	3.2	31	8	6.76	15	20	130	140	684	--	--	--	--
	Pentachlorobenzene	ug/L	17	6%	16	1.9	1.9	5.5	6.2	6.2	20	1	3.29	--	3.3	3.3	--	3.29	--	--	29	0
	Pentachlorophenol	ug/L	17	18%	14	1.9	1.9	5.6	6.3	6.25	20	3	8.6	8.6	15	19	33	33.2	1	3	1	3
	Phenol	ug/L	17	24%	13	0.95	0.96	2.3	0.99	0.985	9.8	4	1.9	2.1	3.4	12	30	38.3	--	--	11000	0
	Pyridine	ug/L	17	0%	17	0.95	0.96	2.6	2.4	2.4	9.8	0	--	--	--	--	--	--	--	--	37	--
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	17	0%	17	0.1	0.1	0.1	0.1	0.1	0.1	0	--	--	--	--	--	--	--	--	2.3	--
	1,1,1-Trichloroethane	ug/L	17	0%	17	0.099	0.099	0.099	0.099	0.099	0.099	0	--	--	--	--	--	--	200	--	200	--
	1,1,2,2-Tetrachloroethane	ug/L	17	0%	17	0.27	0.27	0.27	0.27	0.27	0.27	0	--	--	--	--	--	--	--	--	0.3	--
	1,1,2-Trichloroethane	ug/L	17	41%	10	0.19	0.19	0.19	0.19	0.19	0.19	7	0.27	0.33	1.6	1.4	2.3	2.7	5	0	5	0
	1,1,2-Trifluoro-1,2,2-trichloroethane (Freon-113)	ug/L	17	0%	17	0.072	0.072	0.072	0.072	0.072	0.072	0	--	--	--	--	--	--	--	--	876000	--
	1,1-Dichloroethane	ug/L	17	100%	0	--	--	--	--	--	--	17	1.8	8.6	21	28	43	91	--	--	12	11
	1,1-Dichloroethene	ug/L	17	59%	7	0.085	0.085	12	0.85	0.85	85	10	0.1	0.26	0.56	0.73	1.3	1.9	7	0	7	0
	1,1-Dichloropropene	ug/L	17	12%	15	0.087	0.087	0.087	0.087	0.087	0.087	2	0.64	--	2.9	2.9	--	5.1	--	--	--	--
	1,2,3-Trichlorobenzene	ug/L	17	71%	5	0.64	0.64	0.64	0.64	0.64	0.64	12	0.98	3.2	7	16	25	72	--	--	--	--
	1,2,3-Trichloropropane	ug/L	17	0%	17	0.22	0.22	0.22	0.22	0.22	0.22	0	--	--	--	--	--	--	--	--	0.034	--
	1,2,4-Trichlorobenzene	ug/L	17	65%	6	0.79	0.79	0.79	0.79	0.79	0.79	11	5.6	37	54	110	130	530	70	4	70	4
	1,2,4-Trimethylbenzene	ug/L	17	24%	13	0.069	0.069	0.069	0.069	0.069	0.069	4	0.11	0.17	0.36	0.31	0.39	0.39	--	--	51	0
	1,2-Dichlorobenzene	ug/L	17	94%	1	--	0.16	0.16	--	--	0.16	16	1.6	15	150	500	1200	1800	600	5	600	5
	1,2-Dichloroethane	ug/L	17	82%	3	0.18	0.18	60	180	180	180	14	1.2	5.6	18	29	56	91	5	11	5	11
	1,2-Dichloroethene	ug/L	17	29%	12	0.14	0.14	0.14	0.14	0.14	0.14	5	0.2	0.3	0.58	0.92	1.7	2.2	--	--	--	--
	1,2-Dichloropropane	ug/L	17	24%	13	0.077	0.077	0.077	0.077	0.077	0.077	4	0.2	0.21	0.25	0.3	0.45	0.5	5	0	5	0
	1,3,5-Trichlorobenzene	ug/L	17	53%	8	0.13	0.13	0.13	0.13	0.13	0.13	9	0.13	0.49	0.58	1	1.4	2.9	--	--	--	--
	1,3,5-Trimethylbenzene	ug/L	17	18%	14	0.058	0.058	0.058	0.058	0.058	0.058	3	0.12	0.12	0.14	0.14	0.15	0.15	--	--	590	0
	1,3-Dichlorobenzene	ug/L	17	76%	4	0.046	0.046	0.046	0.046	0.046	0.046	13	0.21	3.8	18	25	49	89	--	--	110	0
	1,3-Dichloropropane	ug/L	17	0%	17	0.12	0.12	0.12	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	730	--
	1,4-Dichlorobenzene	ug/L	17	94%	1	--	0.1	0.1	--	--	0.1	16	1.7	15	180	880	2000	3700	75	11	75	11
	2,2,3-Trimethylbutane	ug/L	17	6%	16	0.16	0.16	0.16	0.16	0.16	0.16	1	0.18	--	0.18	0.18	--	0.18	--	--	--	--
	2,2-Dichloropropane	ug/L	17	0%	17	0.084	0.084	1.1	0.084	0.084	8.4	0	--	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	ug/L	17	0%	17	0.093	0.093	0.093	0.093	0.093	0.093	0	--	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	ug/L	17	18%	14	0.11	0.11	0.11	0.11	0.11	0.11	3	0.61	0.61	11	10	19	19	--	--	--	--
	2,4-Dimethylpentane	ug/L	17	0%	17	0.14	0.14	0.14	0.14	0.14	0.14	0	--	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	ug/L	17	65%	6	0.068	0.068	0.068	0.068	0.068	0.068	11	0.088	0.46	0.68	1.1	1.7	3.2	--	--	730	0
	2-Hexanone	ug/L	17	0%	17	0.08	0.08	0.08	0.08	0.08	0.08	0	--	--	--	--	--	--	--	--	--	--
	2-Methylhexane	ug/L	17	29%	12	0.12	0.12	0.12	0.12	0.12	0.12	5	0.41	0.69	1.3	1.3	1.9	2.3	--	--	--	--
	2-Nitropropane	ug/L	17	0%	17	0.034	0.034	0.034	0.034	0.034	0.034	0	--	--	--	--	--	--	--	--	0.0063	--
	3,3-Dimethylpentane	ug/L	17	24%	13	0.17	0.17	0.17	0.17	0.17	0.17	4	0.82	0.83	1	1.3	2.2	2.5	--	--	--	--
	3-Ethylpentane	ug/L	17	24%	13	0.13	0.13	0.13	0.13	0.13	0.13	4	0.15	0.44	1.5	2.1	4.3	5.1	--	--	--	--
	3-Methylhexane	ug/L	17	24%	13	0.1	0.1	0.1	0.1	0.1	0.1	4	0.39	0.74	2	5.3	13	17	--	--	--	--
	4-Chlorotoluene	ug/L	17	59%	7	0.068	0.068	0.068	0.068	0.068	0.068	10	0.17	0.35	0.52	0.92	1.5	2.6	--	--	--	--
	Acetone	ug/L	17	6%	16	0.56	0.56	7.8	0.56	0.56	56	1	3.7	--	3.7	3.7	--	3.7	--	--	32600	0
	Acetonitrile	ug/L	17	0%	17	4.2	4.2	4.2	4.2	4.2	4.2	0	--	--	--	--	--	--	--	--	440	--
	Benzene	ug/L	17	88%	2	--	0.032	0.032	--	--	0.032	15	4.8	12	1100	20000	43000	83000	5	14	5	14
	Bromobenzene	ug/L	17	29%	12	0.18	0.18	0.18	0.18	0.18	0.18	5	0.21	0.32	0.44	0.4	0.46	0.48	--	--	490	0
	Bromodichloromethane	ug/L	17	18%	14	0.088	0.088	0.14	0.088	0.088	0.88	3	0.35	0.35	0.6	0.68	1.1	1.1	--	--	1.1	0
	Bromoform	ug/L	17	0%	17	0.27	0.27	0.27	0.27	0.27	0.27	0	--	--	--	--	--	--	--	--	8.5	--
	Bromomethane	ug/L	17	0%	17	0.5	0.5	37	5	5	500	0	--	--	--	--	--	--	--	--	48	--
	Carbon disulfide	ug/L	17	41%	10	0.029	0.029	3	0.29	0.29	29	7	0.061	1.1	5	77	15	510	--	--	3520	0
	Carbon tetrachloride	ug/L	17	6%	16	0.042	0.042	0.042	0.042	0.042	0.042	1	1.4	--	1.4	1.4	--	1.4	5	0	5	0
	Chlorobenzene	ug/L	17	94%	1	--	0.48	0.48	--	--	0.48	16	4	800	4800	18000	42000	66000	100	15	100	15
	Chlorobromomethane	ug/L	17	0%	17	0.2	0.2	0.2	0.2	0.2	0.2	0	--	--	--	--	--	--	--	--	--	--
	Chloroethane	ug/L	17	53%	8	0.085	0.085	0.085	0.085	0.085	0.085	9	0.17	0.41	1.5	1.4	2.3	3.5	--	--	23	0
	Chloroform	ug/L	17	65%	6	0.08	0.08	0.08	0.08	0.08	0.08	11	0.18	0.82	70	900	1400	5200	--	--	1.6	7
	Chloromethane	ug/L	17	35%	11	0.036	0.036	0.036	0.036	0.036	0.036	6	0.087	0.1	0.14	0.37	0.7	1.2	--	--	81	0
	cis-1,2-Dichloroethene	ug/L	17	29%	12	0.13	0.13	0.13	0.13	0.13	0.13	5	0.2	0.22	0.34	0.72	1.4	1.7	70	0	70	0
	cis-1,3-Dichloropropene	ug/L	17	0%	17	0.099	0.099	0.099	0.099	0.099	0.099	0	--	--	--	--	--	--	--	--	--	--
	Cymene (Isopropyltoluene)	ug/L	17	6%	16	0.04	0.04	0.04	0.04	0.04	0.04	1	0.045	--	0.045	0.045	--	0.045	--	--	--	--
	Dibromochloromethane	ug/L	17	0%	17	0.17	0.17	0.17	0.17	0.17	0.17	0	--	--	--	--	--	--	--	--	0.7	--
	Dibromochloropropane	ug/L	17	0%	17	0.48	0.48	0.48	0.48	0.48	0.48	0	--	--	--	--	--	--	0.2	--	0.2	--
	Dibromomethane	ug/L	17	0%	17	0.14	0.14	0.14	0.14	0.14	0.14	0	--	--	--	--	--	--	--	--	370	--
	Dichlorodifluoromethane (Freon-12)	ug/L	17	0%	17	0.074	0.074	0.074	0.074	0.074	0.074	0	--	--	--	--	--	--	--	--	5840	--
	Dichloromethane	ug/L	17	76%	4	0.091	0.091	0.091	0.091	0.091	0.091	13	0.096	0.19	0.62	220	2.9	1600	5	2	5	2
	Dimethyldisulfide	ug/L	16	19%	13	0.089	0.089	0.089	0.089	0.089	0.089	3	1.7	1.7	2.1	3	5.3	5.3	--	--	--	--

TABLE 3-2a
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 1ST QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 5 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Volatile Organic Compounds	Ethanol	ug/L	17	0%	17	36	36	36	36	36	36	0	--	--	--	--	--	--	--	--	--	--
	Ethylbenzene	ug/L	17	0%	17	0.061	0.061	0.061	0.061	0.061	0.061	0	--	--	--	--	--	--	700	--	700	--
	Heptane	ug/L	17	0%	17	0.08	0.08	0.08	0.08	0.08	0.08	0	--	--	--	--	--	--	--	--	--	--
	Isopropylbenzene	ug/L	17	18%	14	0.032	0.032	0.032	0.032	0.032	0.032	3	0.081	0.081	0.1	0.1	0.13	0.13	--	--	3440	0
	m,p-Xylenes	ug/L	17	0%	17	1.1	1.1	1.1	1.1	1.1	1.1	0	--	--	--	--	--	--	--	--	42600	--
	Methyl ethyl ketone	ug/L	17	6%	16	0.96	0.96	0.96	0.96	0.96	0.96	1	24	--	24	24	--	24	--	--	21300	0
	Methyl iodide	ug/L	17	6%	16	0.33	0.33	21	2.6	2.5575	330	1	0.48	--	0.48	0.48	--	0.48	--	--	--	--
	Methyl isobutyl ketone	ug/L	17	0%	17	0.72	0.72	0.72	0.72	0.72	0.72	0	--	--	--	--	--	--	--	--	2900	--
	MTBE (Methyl tert-butyl ether)	ug/L	17	0%	17	0.13	0.13	0.13	0.13	0.13	0.13	0	--	--	--	--	--	--	--	--	35	--
	n-Butylbenzene	ug/L	17	24%	13	0.069	0.069	0.069	0.069	0.069	0.069	4	0.07	0.076	0.13	0.14	0.21	0.23	--	--	370	0
	Nonanal	ug/L	17	0%	17	0.007	0.007	0.007	0.007	0.007	0.007	0	--	--	--	--	--	--	--	--	--	--
	n-Propylbenzene	ug/L	17	29%	12	0.029	0.029	0.029	0.029	0.029	0.029	5	0.044	0.087	0.14	0.13	0.18	0.22	--	--	370	0
	o-Xylene	ug/L	17	24%	13	0.056	0.056	0.056	0.056	0.056	0.056	4	0.17	0.24	0.5	0.45	0.59	0.61	--	--	42600	0
	sec-Butylbenzene	ug/L	17	6%	16	0.053	0.053	0.053	0.053	0.053	0.053	1	0.2	--	0.2	0.2	--	0.2	--	--	370	0
	Styrene	ug/L	17	0%	17	0.079	0.079	0.079	0.079	0.079	0.079	0	--	--	--	--	--	--	100	--	100	--
	tert-Butylbenzene	ug/L	17	0%	17	0.039	0.039	0.039	0.039	0.039	0.039	0	--	--	--	--	--	--	--	--	370	--
	Tetrachloroethene	ug/L	17	82%	3	0.14	0.14	0.14	0.14	0.14	0.14	14	0.15	0.93	4.5	49	26	290	5	7	5	7
	Toluene	ug/L	17	82%	3	0.029	0.029	0.029	0.029	0.029	0.029	14	0.067	0.15	0.94	3.8	8	13	1000	0	1000	0
	Total Trihalomethanes	ug/L	17	65%	6	0.3	0.3	0.3	0.3	0.3	0.3	11	0.4	1.1	70	900	1400	5201	80	4	--	--
	trans-1,2-Dichloroethene	ug/L	17	29%	12	0.089	0.089	0.089	0.089	0.089	0.089	5	0.12	0.14	0.16	0.24	0.39	0.54	100	0	100	0
	trans-1,3-Dichloropropene	ug/L	17	0%	17	0.08	0.08	0.08	0.08	0.08	0.08	0	--	--	--	--	--	--	--	--	--	--
	Trichloroethene	ug/L	17	82%	3	0.11	0.11	0.11	0.11	0.11	0.11	14	0.19	1.4	4.1	16	14	110	5	7	5	7
	Trichlorofluoromethane (Freon-11)	ug/L	17	0%	17	0.1	0.1	0.1	0.1	0.1	0.1	0	--	--	--	--	--	--	--	--	9890	--
	Vinyl acetate	ug/L	17	0%	17	0.22	0.22	2.8	0.22	0.22	22	0	--	--	--	--	--	--	--	--	16200	--
	Vinyl chloride	ug/L	17	59%	7	0.13	0.13	0.13	0.13	0.13	0.13	10	0.18	0.46	0.63	0.75	1.1	1.6	2	0	2	0
	Xylenes (total)	ug/L	17	0%	17	1.6	1.6	1.6	1.6	1.6	1.6	0	--	--	--	--	--	--	10000	--	10000	--
Water Quality Parameters	Bicarbonate alkalinity	mg/L	0	--	0	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Carbonate alkalinity	mg/L	0	--	0	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Hardness, Total	mg/L	17	100%	0	--	--	--	--	--	--	17	1330	2100	2800	3700	4600	13000	--	--	--	--
	Hydroxide alkalinity	mg/L	0	--	0	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Total Alkalinity	mg/L	0	--	0	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Total Dissolved Solids	mg/L	17	100%	0	--	--	--	--	--	--	17	2800	5500	10000	13000	16000	54900	500	17	--	--

Notes:

BCL = Basic Comparison Levels (BCLs) from NDEP 2009e.
Max = Maximum
Min = Minimum
Q1 = 1st quartile (25th percentile)
Q3 = 3rd quartile (75th percentile)
Because both non-detect and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the lab detect flag. Lab detect flags are represented by the censored (non-detect) and detect count fields in the table.
Values for Q1, median, mean, and Q3 are rounded to 2 significant figures. BCLs are rounded to 2 significant figures.
a - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the dataset.
b - TCDD TEQ values are calculated from congener-specific concentrations (including PCB congeners). An individual TCDD TEQ value may include detect and non-detect congeners. Therefore, the number of detects and non-detects, and a frequency of detection for TCDD TEQ are not presented.
-- = Not applicable or no value has been established.

TABLE 3-2b
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 2ND QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/L	13	0%	13	0.77	1.1	3.5	3.5	3.45	25	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/L	13	0%	13	1.1	1.8	6.1	2.2	2.15	56	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/L	13	0%	13	0.83	1.4	1.8	2.1	2.1	7.1	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/L	13	0%	13	2.2	3.1	3.4	4.3	4.3	6.9	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/L	13	0%	13	0.69	2.3	2.5	3.4	3.35	7.9	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/L	13	0%	13	0.49	1.6	1.9	2.8	2.75	6	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/L	13	0%	13	0.54	2.4	2.2	2.9	2.85	7	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/L	13	0%	13	1.2	2.3	2.8	3.8	3.8	8	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/L	13	0%	13	0.54	2.4	2.2	3	2.95	6.9	0	--	--	--	--	--	--	--	--	11	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/L	13	0%	13	1.8	2.6	2.9	4	3.95	6	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/L	13	0%	13	1.9	4.2	34	67	67	160	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/L	13	0%	13	0.56	1	1.7	2.5	2.45	5.4	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/L	13	0%	13	0.84	1.1	2.1	2.9	2.85	6.2	0	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/L	13	0%	13	1.8	3.6	7.1	5.9	5.85	52	0	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/L	13	31%	9	0.98	3.4	450	820	820	2400	4	20	25	76	1600	4700	6200	30	3	0.45	4
	Octachlorodibenzodioxin	pg/L	13	0%	13	1.7	2.1	6.5	6.3	6.3	46	0	--	--	--	--	--	--	--	--	--	--
	Octachlorodibenzofuran	pg/L	13	0%	13	2.3	3.3	27	9.1	9.05	280	0	--	--	--	--	--	--	--	--	--	--
	TCDD TEQ	pg/L	13	--[c]	--	--	--	--	--	--	--	13	2.8	5	23	670	470	6257	--	--	--	--
General Chemistry	Bromide	ug/L	17	41%	10	260	2600	2700	5200	5200	5200	7	560	640	780	780	890	1100	--	--	--	--
	Bromine	ug/L	17	41%	10	5000	50000	52000	100000	100000	100000	7	1100	1300	1600	1600	1800	2100	--	--	--	--
	Chlorate	ug/L	17	6%	16	47	470	280	470	470	470	1	12400	--	12000	12000	--	12400	--	--	--	--
	Chloride	mg/L	17	100%	0	--	--	--	--	--	--	17	1450	3500	5900	7600	9600	30700	--	--	--	--
	Chlorine	mg/L	17	100%	0	--	--	--	--	--	--	17	2900	7100	12000	15000	19000	61500	4	17	4	17
	Chlorite	ug/L	15	7%	14	320	400	610	800	800	2000	1	2100	--	2100	2100	--	2100	1000	1	--	--
	Fluoride	ug/L	17	88%	2	--	100	100	--	--	100	15	510	720	1000	1200	1900	2500	4000	0	4000	0
	Iodide	ug/L	17	35%	11	300	3000	2300	3000	3000	3000	6	3700	18000	31000	49000	74000	156000	--	--	--	--
	Ion Balance Difference	percent	17	100%	0	--	--	--	--	--	--	17	0.22	1.4	2.7	3.1	3.9	8.7	--	--	--	--
	Nitrate	ug/L	17	24%	13	5	50	33	50	50	50	4	11	43	230	590	1500	1900	10000	0	10000	0
	Nitrite	ug/L	17	0%	17	300	600	990	1100	1050	6000	0	--	--	--	--	--	--	1000	--	1000	--
	Orthophosphate	ug/L	17	6%	16	50	500	330	500	500	500	1	620	--	620	620	--	620	--	--	--	--
	Perchlorate	ug/L	15	40%	9	7.5	10	9.6	10	10	20	6	17.8	25	48	9500	14000	56500	--	--	18	5
	Sulfate	mg/L	17	100%	0	--	--	--	--	--	--	17	972	1200	1700	2000	2500	4740	--	--	--	--
Metals	Aluminum	ug/L	17	35%	11	7.2	18	17	18	18	36	6	31.8	93	350	320	530	548	--	--	36500	0
	Antimony	ug/L	17	6%	16	0.35	0.35	0.44	0.7	0.7	0.7	1	0.19	--	0.19	0.19	--	0.19	6	0	6	0
	Arsenic	ug/L	17	100%	0	--	--	--	--	--	--	17	23.1	110	140	180	230	611	10	17	10	17
	Barium	ug/L	17	100%	0	--	--	--	--	--	--	17	31.5	36	42	45	52	66.9	2000	0	2000	0
	Beryllium	ug/L	17	0%	17	0.28	0.4	0.48	0.8	0.8	0.8	0	--	--	--	--	--	--	4	--	4	--
	Boron	ug/L	17	100%	0	--	--	--	--	--	--	17	1080	1600	1800	2100	2500	4520	--	--	7300	0
	Cadmium	ug/L	17	0%	17	0.14	0.2	0.24	0.4	0.4	0.4	0	--	--	--	--	--	--	5	--	5	--
	Calcium	ug/L	17	100%	0	--	--	--	--	--	--	17	233000	320000	380000	530000	650000	1560000	--	--	--	--
	Chromium (Total)	ug/L	17	6%	16	2.5	2.5	3.2	5	5	5	1	1.1	--	1.1	1.1	--	1.1	100	0	100	0
	Chromium (VI)	ug/L	17	18%	14	3	3	29	19	18.75	300	3	10.4	10	19	16	19	18.5	100	0	100	0
	Cobalt	ug/L	17	71%	5	0.06	0.1	0.084	0.1	0.1	0.1	12	0.078	0.19	0.45	1.5	0.87	12.5	--	--	11	1
	Copper	ug/L	17	6%	16	1.5	2.8	3.3	5.6	5.6	5.6	1	6.5	--	6.5	6.5	--	6.5	1300	0	1360	0
	Iron	ug/L	17	88%	2	--	48	48	--	--	48	15	223	490	610	1900	1200	16800	--	--	25600	0
	Lead	ug/L	17	0%	17	0.63	0.9	1.1	1.8	1.8	1.8	0	--	--	--	--	--	--	15	--	15	--
	Lithium	ug/L	17	100%	0	--	--	--	--	--	--	17	259	410	520	540	640	1290	--	--	73	17
	Magnesium	ug/L	17	100%	0	--	--	--	--	--	--	17	132000	350000	410000	540000	610000	2020000	--	--	207000	14
	Manganese	ug/L	17	94%	1	--	1.6	1.6	--	--	1.6	16	34.1	240	660	920	1500	2620	--	--	510	9
	Mercury	ug/L	17	6%	16	0.027	0.027	0.027	0.027	0.027	0.027	1	0.029	--	0.029	0.029	--	0.029	2	0	10.95	0
	Molybdenum	ug/L	17	100%	0	--	--	--	--	--	--	17	1.8	17	27	27	32	72.6	--	--	180	0
	Nickel	ug/L	17	100%	0	--	--	--	--	--	--	17	1.2	2.5	3.3	3.5	4.8	6.5	--	--	730	0
	Potassium	ug/L	17	100%	0	--	--	--	--	--	--	17	16400	24000	33000	38000	43000	95800	--	--	--	--
	Selenium	ug/L	17	6%	16	3.5	3.5	4.4	7	7	7	1	1.4	--	1.4	1.4	--	1.4	50	0	50	0
	Silver	ug/L	17	0%	17	0.56	0.8	0.97	1.6	1.6	1.6	0	--	--	--	--	--	--	--	--	180	--
	Sodium	ug/L	17	100%	0	--	--	--	--	--	--	17	856000	1400000	4200000	4500000	6400000	16800000	--	--	--	--
	Strontium	ug/L	17	100%	0	--	--	--	--	--	--	17	5560	9700	16000	18000	22000	48900	--	--	21900	4
	Thallium	ug/L	16	31%	11	0.1	0.1	0.14	0.2	0.2	0.2	5	0.15	0.18	0.24	0.66	1.4	1.9	2	0	2	0
	Tin	ug/L	17	0%	17	0.6	0.85	1	1.7	1.7	1.7	0	--	--	--	--	--	--	--	--	21900	--
	Titanium	ug/L	17	76%	4	6	6	6	6	6	6	13	1.9	2.4	4.6	6	8	15.5	--	--	146000	0
	Tungsten	ug/L	17	0%	17	0.077	0.11	0.13	0.22	0.22	0.22	0	--	--	--	--	--	--	--	--	270	--
	Uranium	ug/L	17	100%	0	--	--	--	--	--	--	17	0.62	7.5	25	45	55	346	30	5	30	5
	Vanadium	ug/L	17	76%	4	0.7	0.7	0.7	0.7	0.7	0.7	13	0.32	2.2	7.2	33	18	227	--	--	180	1
	Zinc	ug/L	17	6%	16	10	10	13	20	20	20	1	23.5	--	24	24	--	23.5	--	--	11000	0

TABLE 3-2b
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 2ND QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Organochlorine Pesticides	2,4-DDD	ug/L	17	29%	12	0.011	0.011	0.011	0.011	0.011	0.011	5	0.17	0.18	0.21	0.42	0.76	1.2	--	--	--	--
	2,4-DDE	ug/L	17	29%	12	0.009	0.009	0.009	0.009	0.009	0.009	5	0.46	0.48	0.62	0.66	0.87	0.88	--	--	--	--
	4,4-DDD	ug/L	17	0%	17	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0	--	--	--	--	--	--	--	--	0.28	--
	4,4-DDE	ug/L	17	6%	16	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	1	0.3	--	0.3	0.3	--	0.3	--	--	0.2	1
	4,4-DDT	ug/L	17	0%	17	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0	--	--	--	--	--	--	--	--	0.2	--
	Aldrin	ug/L	17	6%	16	0.004	0.004	0.004	0.004	0.004	0.004	1	0.13	--	0.13	0.13	--	0.13	--	--	0.004	1
	alpha-BHC	ug/L	16	94%	1	--	0.0025	0.0025	--	--	0.0025	15	0.45	4.4	8.9	63	100	410	--	--	0.011	15
	alpha-Chlordane	ug/L	17	18%	14	0.003	0.003	0.003	0.003	0.003	0.003	3	0.12	0.12	0.23	0.29	0.53	0.53	--	--	--	--
	beta-BHC	ug/L	17	59%	7	0.013	0.013	0.013	0.013	0.013	0.013	10	2.3	18	31	41	68	84	--	--	0.037	10
	Chlordane	ug/L	17	0%	17	0.18	0.18	0.18	0.18	0.18	0.18	0	--	--	--	--	--	--	2	--	2	--
	delta-BHC	ug/L	17	100%	0	--	--	--	--	--	--	17	0.049	1.3	3.7	5.4	6.5	36	--	--	--	--
	Dieldrin	ug/L	17	12%	15	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	2	0.31	--	0.36	0.36	--	0.4	--	--	0.0042	2
	Endosulfan I	ug/L	17	18%	14	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	3	0.097	0.097	0.25	0.26	0.44	0.44	--	--	--	--
	Endosulfan II	ug/L	17	12%	15	0.01	0.01	0.01	0.01	0.01	0.01	2	0.24	--	0.39	0.39	--	0.54	--	--	--	--
	Endosulfan sulfate	ug/L	17	0%	17	0.017	0.017	0.017	0.017	0.017	0.017	0	--	--	--	--	--	--	--	--	--	--
	Endrin	ug/L	17	0%	17	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0	--	--	--	--	--	--	2	--	2	--
	Endrin aldehyde	ug/L	17	12%	15	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	2	0.071	--	0.074	0.074	--	0.076	--	--	--	--
	Endrin ketone	ug/L	17	0%	17	0.016	0.016	0.016	0.016	0.016	0.016	0	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	ug/L	17	12%	15	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	2	0.06	--	0.12	0.12	--	0.18	--	--	--	--
	Heptachlor	ug/L	17	12%	15	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	2	0.15	--	0.2	0.2	--	0.25	0.4	0	0.4	0
	Heptachlor epoxide	ug/L	17	0%	17	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0	--	--	--	--	--	--	0.2	--	0.2	--
	Lindane	ug/L	17	71%	5	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	12	0.091	0.24	1.4	9.1	10	44	0.2	9	0.2	9
	Methoxychlor	ug/L	17	6%	16	0.005	0.005	0.005	0.005	0.005	0.005	1	0.052	--	0.052	0.052	--	0.052	40	0	40	0
	Toxaphene	ug/L	17	0%	17	0.33	0.33	0.33	0.33	0.33	0.33	0	--	--	--	--	--	--	3	--	3	--
Others	Methyl mercury	ng/L	16	50%	8	0.02	0.02	0.02	0.02	0.02	0.021	8	0.035	0.039	0.2	0.44	1	1.41	--	--	3.7	0
	White phosphorus	ug/L	16	0%	16	0.05	0.05	0.05	0.05	0.05	0.05	0	--	--	--	--	--	--	--	--	0.73	--
Polynuclear Aromatic Hydrocarbons	Acenaphthene	ug/L	14	21%	11	0.045	0.047	0.047	0.049	0.049	0.049	3	0.0543	0.054	0.24	0.18	0.25	0.25	--	--	2190	0
	Acenaphthylene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	1100	--
	Anthracene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	11000	--
	Benzo(a)anthracene	ug/L	14	0%	14	0.046	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	0.092	--
	Benzo(a)pyrene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	0.2	--	0.2	--
	Benzo(b)fluoranthene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	0.092	--
	Benzo(g,h,i)perylene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	1100	--
	Benzo(k)fluoranthene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	0.92	--
	Chrysene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	9.2	--
	Dibenzo(a,h)anthracene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	0.0092	--
	Indeno(1,2,3-cd)pyrene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	0.092	--
	Phenanthrene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	1100	--
	Pyrene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	1100	--
Polychlorinated Biphenyls	PCB 105	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 114	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 118	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 123	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 126	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 156	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 157	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 167	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 169	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 189	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 209	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 77	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 81	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
Radionuclides	Radium-226	pCi/L	15	67%	5	--	--	--	--	--	--	10	0.169	0.35	0.98	1.2	1.7	3.41	--	--	--	--
	Radium-226/228	pCi/L	15	--	--	--	--	--	--	--	--	15	0.54	1.5	2.5	3.2	4	11.9	5	1	--	--
	Radium-228	pCi/L	15	60%	6	--	--	--	--	--	--	9	0.37	0.7	1.2	2	2.3	10.4	--	--	--	--
	Radon-222	pCi/L	15	93%	1	--	--	--	--	--	--	14	16.5	270	430	440	710	926	4000	0	300	10
	Thorium-228	pCi/L	0	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Thorium-230	pCi/L	0	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Thorium-232	pCi/L	0	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Uranium-233/234	pCi/L	0	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Uranium-235/236	pCi/L	0	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Uranium-238	pCi/L	0	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2b
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 2ND QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 3 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	1,2,4,5-Tetrachlorobenzene	ug/L	14	14%	12	1.8	1.9	14	1.9	1.9	76	2	3.07	--	3.6	3.6	--	4.22	--	--	11	0
	1,2-Diphenylhydrazine	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	0.084	--
	1,4-Dioxane	ug/L	14	29%	10	0.94	0.96	8.3	10	10.2275	38	4	1.23	1.3	2.9	3.3	5.7	6.08	--	--	6.1	0
	2,2'-/4,4'-Dichlorobenzil	ug/L	14	0%	14	3.1	3.2	21	3.2	3.2	126	0	--	--	--	--	--	--	--	--	10.95	--
	2,4,5-Trichlorophenol	ug/L	14	21%	11	0.94	0.96	7.7	0.97	0.97	38	3	3.04	3	3.5	3.4	3.7	3.66	--	--	3650	0
	2,4,6-Trichlorophenol	ug/L	14	21%	11	1.9	1.9	15	1.9	1.9	76	3	4.01	4	4.2	14	33	32.5	--	--	6.1	1
	2,4-Dichlorophenol	ug/L	14	43%	8	1.9	1.9	20	57	57.475	76	6	2.12	3.7	17	20	31	54.9	--	--	110	0
	2,4-Dimethylphenol	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	730	--
	2,4-Dinitrophenol	ug/L	14	0%	14	9.3	9.6	62	9.7	9.725	381	0	--	--	--	--	--	--	--	--	73	--
	2,4-Dinitrotoluene	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	0.22	--
	2,6-Dinitrotoluene	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	37	--
	2-Chloronaphthalene	ug/L	14	0%	14	0.33	0.34	2.1	0.34	0.34	13	0	--	--	--	--	--	--	--	--	2920	--
	2-Chlorophenol	ug/L	14	29%	10	1.9	1.9	17	20	20.425	76	4	23.6	24	35	43	70	79.4	--	--	180	0
	2-Methylnaphthalene	ug/L	14	14%	12	0.28	0.29	2.1	0.29	0.29	11	2	0.296	--	0.4	0.4	--	0.508	--	--	--	--
	2-Nitroaniline	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	110	--
	2-Nitrophenol	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	--	--
	3,3-Dichlorobenzidine	ug/L	14	0%	14	0.93	0.96	6.2	0.97	0.9725	38	0	--	--	--	--	--	--	--	--	0.15	--
	3-Nitroaniline	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	--	--
	4-Bromophenyl phenyl ether	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	ug/L	14	7%	13	3.1	3.1	22	3.2	3.2	126	1	6.89	--	6.9	6.9	--	6.89	--	--	--	--
	4-Nitroaniline	ug/L	14	0%	14	2.8	2.9	19	2.9	2.9	114	0	--	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	290	--
	Acetophenone	ug/L	14	14%	12	1.9	1.9	14	1.9	1.9	76	2	2.27	--	2.5	2.5	--	2.77	--	--	3650	0
	Aniline	ug/L	14	0%	14	2.4	2.4	16	2.4	2.425	95	0	--	--	--	--	--	--	--	--	12	--
	Benzenethiol	ug/L	14	50%	7	5.9	6.2	6.1	6.3	6.3	6.4	7	9.72	15	23	250	500	1120	--	--	--	--
	Benzoic acid	ug/L	14	0%	14	5.6	5.8	38	5.8	5.825	229	0	--	--	--	--	--	--	--	--	146000	--
	Benzyl alcohol	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	18300	--
	bis(2-Chloroethoxy)methane	ug/L	14	0%	14	2.8	2.9	19	2.9	2.9	114	0	--	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	0.054	--
	bis(2-Chloroisopropyl) ether	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	0.9	--
	bis(2-Ethylhexyl)phthalate	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	6	--	6	--
	bis(p-Chlorophenyl) sulfone	ug/L	14	0%	14	3.1	3.2	21	3.2	3.2	126	0	--	--	--	--	--	--	--	--	--	--
	bis(p-Chlorophenyl)disulfide	ug/L	14	36%	9	3	3.1	3	3.2	3.15	3.2	5	15.7	17	21	98	220	222	--	--	--	--
	Butylbenzyl phthalate	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	7300	--
	Carbazole	ug/L	14	0%	14	0.19	0.19	1.2	0.19	0.1925	7.6	0	--	--	--	--	--	--	--	--	3.4	--
	Dibenzofuran	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	73	--
	Diethyl phthalate	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	29200	--
	Dimethyl phthalate	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	365000	--
	Di-n-butyl phthalate	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	3650	--
	Di-n-octyl phthalate	ug/L	14	0%	14	2.8	2.9	19	2.9	2.9	114	0	--	--	--	--	--	--	--	--	--	--
	Diphenyl disulfide	ug/L	14	50%	7	3	3.1	3	3.1	3.1	3.2	7	4.37	4.4	33	740	2500	2590	--	--	--	--
	Diphenyl sulfide	ug/L	14	0%	14	3.1	3.2	21	3.2	3.2	126	0	--	--	--	--	--	--	--	--	--	--
	Diphenyl sulfone	ug/L	14	0%	14	3.1	3.2	21	3.2	3.2	126	0	--	--	--	--	--	--	--	--	110	--
	Diphenylamine	ug/L	14	0%	14	2.8	2.9	19	2.9	2.9	114	0	--	--	--	--	--	--	--	--	910	--
	Fluoranthene	ug/L	14	0%	14	0.19	0.19	1.2	0.19	0.1925	7.6	0	--	--	--	--	--	--	--	--	1460	--
	Fluorene	ug/L	14	0%	14	0.19	0.19	1.2	0.19	0.1925	7.6	0	--	--	--	--	--	--	--	--	1460	--
	Hexachlorobenzene	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	1	--	1	--
	Hexachlorobutadiene	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	0.86	--
	Hexachlorocyclopentadiene	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	50	--	50	--
	Hexachloroethane	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	4.8	--
	Hydroxymethyl phthalimide	ug/L	14	0%	14	3.1	3.2	21	3.2	3.2	126	0	--	--	--	--	--	--	--	--	--	--
	Isophorone	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	71	--
	m,p-Cresols	ug/L	14	0%	14	2.8	2.9	19	2.9	2.9	114	0	--	--	--	--	--	--	--	--	--	--
	Naphthalene	ug/L	14	29%	10	0.28	0.29	2.4	3	2.9675	11	4	1.52	1.7	2.2	2.1	2.4	2.5	--	--	4.3	0
	Nitrobenzene	ug/L	14	0%	14	2.8	2.9	19	2.9	2.9	114	0	--	--	--	--	--	--	--	--	3.7	--
	N-nitrosodi-n-propylamine	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	0.0096	--
	o-Cresol	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	1830	--
	Octachlorostyrene	ug/L	14	0%	14	3.1	3.2	21	3.2	3.2	126	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2b
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 2ND QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	p-Chloroaniline	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	150	--
	p-Chlorobenzenethiol	ug/L	14	50%	7	3	3.1	3	3.1	3.1	3.2	7	7.12	7.6	47	120	280	420	--	--	--	--
	Pentachlorobenzene	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	29	--
	Pentachlorophenol	ug/L	14	14%	12	1.9	1.9	14	1.9	1.9	76	2	11.5	--	12	12	--	12.9	1	2	1	2
	Phenol	ug/L	14	21%	11	0.94	0.96	7.7	0.97	0.97	38	3	1.73	1.7	3.2	3	4	3.95	--	--	11000	0
	Pyridine	ug/L	14	0%	14	0.93	0.96	6.2	0.97	0.9725	38	0	--	--	--	--	--	--	--	--	37	--
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	16	0%	16	0.16	0.16	0.16	0.16	0.16	0.16	0	--	--	--	--	--	--	--	--	2.3	--
	1,1,1-Trichloroethane	ug/L	16	0%	16	0.088	0.088	0.088	0.088	0.088	0.088	0	--	--	--	--	--	--	200	--	200	--
	1,1,2,2-Tetrachloroethane	ug/L	16	0%	16	0.11	0.11	0.11	0.11	0.11	0.11	0	--	--	--	--	--	--	--	--	0.3	--
	1,1,2-Trichloroethane	ug/L	16	56%	7	0.071	0.071	0.071	0.071	0.071	0.071	9	0.22	0.51	3.8	6.6	15	20	5	3	5	3
	1,1,2-Trifluoro-1,2,2-trichloroethane (Freon-113)	ug/L	16	0%	16	0.12	0.12	0.12	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	876000	--
	1,1-Dichloroethane	ug/L	16	100%	0	--	--	--	--	--	--	16	1.5	6.5	17	22	37	88	--	--	12	9
	1,1-Dichloroethene	ug/L	16	56%	7	0.11	0.11	0.11	0.11	0.11	0.11	9	0.12	0.23	0.45	0.59	1.1	1.2	7	0	7	0
	1,1-Dichloropropene	ug/L	16	13%	14	0.068	0.068	0.068	0.068	0.068	0.068	2	0.47	--	0.79	0.79	--	1.1	--	--	--	--
	1,2,3-Trichlorobenzene	ug/L	16	81%	3	0.16	0.16	0.16	0.16	0.16	0.16	13	0.4	1.7	4.1	14	33	47	--	--	--	--
	1,2,3-Trichloropropane	ug/L	16	0%	16	0.23	0.23	0.23	0.23	0.23	0.23	0	--	--	--	--	--	--	--	--	0.034	--
	1,2,4-Trichlorobenzene	ug/L	16	81%	3	0.16	0.16	53	160	160	160	13	0.24	5.1	37	110	220	460	70	4	70	4
	1,2,4-Trimethylbenzene	ug/L	16	19%	13	0.062	0.062	0.062	0.062	0.062	0.062	3	0.13	0.13	0.44	0.34	0.46	0.46	--	--	51	0
	1,2-Dichlorobenzene	ug/L	16	100%	0	--	--	--	--	--	--	16	0.37	26	200	620	1100	2200	600	6	600	6
	1,2-Dichloroethane	ug/L	16	94%	1	--	50	50	--	--	50	15	1	3.1	12	18	27	59	5	10	5	10
	1,2-Dichloroethene	ug/L	16	13%	14	0.21	0.21	0.21	0.21	0.21	0.21	2	0.34	--	0.61	0.61	--	0.88	--	--	--	--
	1,2-Dichloropropane	ug/L	16	38%	10	0.054	0.054	0.054	0.054	0.054	0.054	6	0.074	0.089	0.13	0.19	0.31	0.44	5	0	5	0
	1,3,5-Trichlorobenzene	ug/L	16	44%	9	0.12	0.12	0.12	0.12	0.12	0.12	7	0.38	0.74	1.4	1.2	1.8	1.8	--	--	--	--
	1,3,5-Trimethylbenzene	ug/L	16	19%	13	0.11	0.11	0.11	0.11	0.11	0.11	3	0.17	0.17	0.17	0.23	0.35	0.35	--	--	590	0
	1,3-Dichlorobenzene	ug/L	16	81%	3	0.081	0.081	27	81	81	81	13	0.21	3.5	20	33	41	130	--	--	110	2
	1,3-Dichloropropane	ug/L	16	0%	16	0.053	0.053	0.053	0.053	0.053	0.053	0	--	--	--	--	--	--	--	--	730	--
	1,4-Dichlorobenzene	ug/L	16	100%	0	--	--	--	--	--	--	16	0.51	25	330	880	1300	3900	75	11	75	11
	2,2,3-Trimethylbutane	ug/L	16	0%	16	0.23	0.23	0.23	0.23	0.23	0.23	0	--	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	ug/L	16	0%	16	0.1	0.1	0.1	0.1	0.1	0.1	0	--	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	ug/L	16	0%	16	0.16	0.16	0.16	0.16	0.16	0.16	0	--	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	ug/L	16	13%	14	0.18	0.18	0.18	0.18	0.18	0.18	2	0.39	--	4.6	4.6	--	8.9	--	--	--	--
	2,4-Dimethylpentane	ug/L	16	0%	16	0.19	0.19	0.19	0.19	0.19	0.19	0	--	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	ug/L	16	63%	6	0.11	0.11	0.11	0.11	0.11	0.11	10	0.49	0.53	2	3.5	5.6	12	--	--	730	0
	2-Hexanone	ug/L	16	6%	15	1.3	1.3	1.3	1.3	1.3	1.3	1	1.6	--	1.6	1.6	--	1.6	--	--	--	--
	2-Methylhexane	ug/L	16	25%	12	0.15	0.15	0.15	0.15	0.15	0.15	4	0.79	0.87	4.4	4.8	9.3	9.9	--	--	--	--
	2-Nitropropane	ug/L	16	0%	16	1.1	1.1	1.1	1.1	1.1	1.1	0	--	--	--	--	--	--	--	--	0.0063	--
	3,3-Dimethylpentane	ug/L	16	31%	11	0.2	0.2	0.2	0.2	0.2	0.2	5	0.41	0.43	0.78	0.77	1.1	1.1	--	--	--	--
	3-Ethylpentane	ug/L	16	19%	13	0.089	0.089	0.089	0.089	0.089	0.089	3	0.11	0.11	0.64	0.98	2.2	2.2	--	--	--	--
	3-Methylhexane	ug/L	16	31%	11	0.17	0.17	0.17	0.17	0.17	0.17	5	0.29	0.61	1.1	3.1	6.5	6.7	--	--	--	--
	4-Chlorotoluene	ug/L	16	63%	6	0.095	0.095	0.095	0.095	0.095	0.095	10	0.24	0.43	1.7	3.1	5	11	--	--	--	--
	Acetone	ug/L	14	64%	5	0.42	0.42	0.42	0.42	0.42	0.42	9	0.46	0.72	0.87	5.5	8.7	27	--	--	32600	0
	Acetonitrile	ug/L	16	0%	16	4.2	4.2	4.2	4.2	4.2	4.2	0	--	--	--	--	--	--	--	--	440	--
	Benzene	ug/L	16	94%	1	--	0.06	0.06	--	--	0.06	15	1.3	11	2300	18000	43000	69000	5	13	5	13
	Bromobenzene	ug/L	16	44%	9	0.084	0.084	0.084	0.084	0.084	0.084	7	0.11	0.21	0.64	0.94	1.7	2.1	--	--	490	0
	Bromodichloromethane	ug/L	16	25%	12	0.098	0.098	0.098	0.098	0.098	0.098	4	0.71	0.75	0.91	0.91	1.1	1.1	--	--	1.1	0
	Bromoform	ug/L	16	0%	16	0.15	0.15	0.15	0.15	0.15	0.15	0	--	--	--	--	--	--	--	--	8.5	--
	Bromomethane	ug/L	16	0%	16	0.096	0.096	0.096	0.096	0.096	0.096	0	--	--	--	--	--	--	--	--	48	--
	Carbon disulfide	ug/L	16	25%	12	0.52	0.52	0.52	0.52	0.52	0.52	4	0.74	0.8	4.4	75	220	290	--	--	3520	0
	Carbon tetrachloride	ug/L	16	6%	15	0.073	0.073	0.073	0.073	0.073	0.073	1	0.4	--	0.4	0.4	--	0.4	5	0	5	0
	Chlorobenzene	ug/L	16	100%	0	--	--	--	--	--	--	16	2.2	630	3900	15000	37000	57000	100	14	100	14
	Chlorobromomethane	ug/L	16	0%	16	0.12	0.12	0.12	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	--	--
	Chloroethane	ug/L	16	25%	12	0.085	0.085	0.085	0.085	0.085	0.085	4	0.13	0.19	0.6	0.73	1.4	1.6	--	--	23	0
	Chloroform	ug/L	16	81%	3	0.067	0.067	0.067	0.067	0.067	0.067	13	0.22	1	44	1500	3600	7200	--	--	1.6	9
	Chloromethane	ug/L	16	75%	4	0.086	0.086	0.086	0.086	0.086	0.086	12	0.22	0.27	0.37	0.44	0.53	1	--	--	81	0
	cis-1,2-Dichloroethene	ug/L	16	19%	13	0.14	0.14	0.14	0.14	0.14	0.14	3	0.18	0.18	0.22	0.4	0.79	0.79	70	0	70	0
	cis-1,3-Dichloropropene	ug/L	16	0%	16	0.099	0.099	0.099	0.099	0.099	0.099	0	--	--	--	--	--	--	--	--	--	--
	Cymene (Isopropyltoluene)	ug/L	16	0%	16	0.11	0.11	0.11	0.11	0.11	0.11	0	--	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	ug/L	16	13%	14	0.21	0.21	0.21	0.21	0.21	0.21	2	0.87	--	0.99	0.99	--	1.1	--	--	0.7	2
	Dibromochloropropane	ug/L	16	0%	16	0.2	0.2	0.2	0.2	0.2	0.2	0	--	--	--	--	--	--	0.2	--	0.2	--
	Dibromomethane	ug/L	16	0%	16	0.095	0.095	0.095	0.095	0.095	0.095	0	--	--	--	--	--	--	--	--	370	--
	Dichlorodifluoromethane (Freon-12)	ug/L	16	0%	16	0.058	0.058	0.058	0.058	0.058	0.058	0	--	--	--	--	--	--	--	--	5840	--
	Dichloromethane	ug/L	16	50%	8	0.1	0.1	0.1	0.1	0.1	0.1	8	0.1	0.34	2.8	430	1100	1900	5	2	5	2
	Dimethyldisulfide	ug/L	16	0%	16	0.27	0.27	0.27	0.27	0.27	0.27	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2b
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 2ND QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 5 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Volatile Organic Compounds	Ethanol	ug/L	16	0%	16	85	85	85	85	85	85	0	--	--	--	--	--	--	--	--	--	--
	Ethylbenzene	ug/L	16	0%	16	0.11	0.11	0.11	0.11	0.11	0.11	0	--	--	--	--	--	--	700	--	700	--
	Heptane	ug/L	16	0%	16	0.12	0.12	0.12	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	--	--
	Isopropylbenzene	ug/L	16	19%	13	0.096	0.096	0.096	0.096	0.096	0.096	3	0.15	0.15	0.16	0.25	0.45	0.45	--	--	3440	0
	m,p-Xylenes	ug/L	16	0%	16	0.19	0.19	0.19	0.19	0.19	0.19	0	--	--	--	--	--	--	--	--	42600	--
	Methyl ethyl ketone	ug/L	16	13%	14	0.83	0.83	0.83	0.83	0.83	0.83	2	1.7	--	3	3	--	4.3	--	--	21300	0
	Methyl iodide	ug/L	16	0%	16	0.091	0.091	0.091	0.091	0.091	0.091	0	--	--	--	--	--	--	--	--	--	--
	Methyl isobutyl ketone	ug/L	16	13%	14	0.32	0.32	0.32	0.32	0.32	0.32	2	1.3	--	1.7	1.7	--	2	--	--	2900	0
	MTBE (Methyl tert-butyl ether)	ug/L	16	0%	16	0.098	0.098	0.098	0.098	0.098	0.098	0	--	--	--	--	--	--	--	--	35	--
	n-Butylbenzene	ug/L	16	6%	15	0.12	0.12	0.12	0.12	0.12	0.12	1	0.12	--	0.12	0.12	--	0.12	--	--	370	0
	Nonanal	ug/L	16	0%	16	1.2	1.2	1.2	1.2	1.2	1.2	0	--	--	--	--	--	--	--	--	--	--
	n-Propylbenzene	ug/L	16	31%	11	0.093	0.093	0.093	0.093	0.093	0.093	5	0.22	0.22	0.43	0.5	0.83	0.91	--	--	370	0
	o-Xylene	ug/L	16	50%	8	0.055	0.055	0.055	0.055	0.055	0.055	8	0.1	0.22	1.4	1.8	3.3	4.3	--	--	42600	0
	sec-Butylbenzene	ug/L	16	19%	13	0.085	0.085	0.085	0.085	0.085	0.085	3	0.59	0.59	0.71	0.69	0.76	0.76	--	--	370	0
	Styrene	ug/L	16	0%	16	0.042	0.042	0.042	0.042	0.042	0.042	0	--	--	--	--	--	--	100	--	100	--
	tert-Butylbenzene	ug/L	16	0%	16	0.11	0.11	0.11	0.11	0.11	0.11	0	--	--	--	--	--	--	--	--	370	--
	Tetrachloroethene	ug/L	16	63%	6	0.065	3.3	23	65	65	65	10	0.082	1.2	7.8	26	45	96	5	5	5	5
	Toluene	ug/L	16	69%	5	0.07	0.07	28	70	70	70	11	0.084	0.26	2.1	10	27	37	1000	0	1000	0
	Total Trihalomethanes	ug/L	16	81%	3	0.3	0.3	0.3	0.3	0.3	0.3	13	0.4	1.2	44	1500	3600	7201	80	5	--	--
	trans-1,2-Dichloroethene	ug/L	16	25%	12	0.081	0.081	0.081	0.081	0.081	0.081	4	0.092	0.093	0.096	0.1	0.11	0.12	100	0	100	0
	trans-1,3-Dichloropropene	ug/L	16	0%	16	0.23	0.23	0.23	0.23	0.23	0.23	0	--	--	--	--	--	--	--	--	--	--
	Trichloroethene	ug/L	16	88%	2	--	0.091	0.091	--	--	0.091	14	0.16	1.3	2.1	7.5	6	63	5	4	5	4
	Trichlorofluoromethane (Freon-11)	ug/L	16	0%	16	0.11	0.11	0.11	0.11	0.11	0.11	0	--	--	--	--	--	--	--	--	9890	--
	Vinyl acetate	ug/L	16	0%	16	0.23	0.23	0.23	0.23	0.23	0.23	0	--	--	--	--	--	--	--	--	16200	--
	Vinyl chloride	ug/L	16	31%	11	0.091	0.091	0.091	0.091	0.091	0.091	5	0.2	0.31	0.63	0.58	0.84	0.92	2	0	2	0
	Xylenes (total)	ug/L	16	38%	10	0.22	0.22	0.22	0.22	0.22	0.22	6	0.4	1.1	2.2	2.3	3.6	4.3	10000	0	10000	0
Water Quality Parameters	Bicarbonate alkalinity	mg/L	17	100%	0	--	--	--	--	--	--	17	94	190	310	340	470	840	--	--	--	--
	Carbonate alkalinity	mg/L	17	0%	17	0.31	0.31	0.54	0.46	0.46	1.5	0	--	--	--	--	--	--	--	--	--	--
	Hardness, Total	mg/L	17	100%	0	--	--	--	--	--	--	17	747	1700	2600	3400	4100	12200	--	--	--	--
	Hydroxide alkalinity	mg/L	17	0%	17	0.31	0.31	0.31	0.31	0.31	0.31	0	--	--	--	--	--	--	--	--	--	--
	Total Alkalinity	mg/L	17	100%	0	--	--	--	--	--	--	17	94	190	310	340	470	840	--	--	--	--
	Total Dissolved Solids	mg/L	17	100%	0	--	--	--	--	--	--	17	3160	5900	11000	13000	16000	57500	500	17	--	--

Notes:

BCL = Basic Comparison Levels (BCLs) from NDEP 2009e.
Max = Maximum
Min = Minimum
Q1 = 1st quartile (25th percentile)
Q3 = 3rd quartile (75th percentile)
Because both non-detect and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the lab detect flag. Lab detect flags are represented by the censored (non-detect) and detect count fields in the table.
Values for Q1, median, mean, and Q3 are rounded to 2 significant figures. BCLs are rounded to 2 significant figures.
a - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the dataset.
b - TCDD TEQ values are calculated from congener-specific concentrations (including PCB congeners). An individual TCDD TEQ value may include detect and non-detect congeners. Therefore, the number of detects and non-detects, and a frequency of detection for TCDD TEQ are not presented.
-- = Not applicable or no value has been established.

TABLE 3-2c
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 3RD QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/L	17	0%	17	46	47	47	59	48	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/L	17	6%	16	46	47	47	47	47	49	1	26	--	26	26	--	26	--	--	--	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/L	17	0%	17	46	47	47	59	48	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/L	17	0%	17	46	47	47	59	48	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/L	17	0%	17	46	47	47	59	48	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/L	17	0%	17	46	47	47	59	48	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/L	17	0%	17	46	47	47	59	48	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/L	17	0%	17	46	47	47	59	48	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/L	17	0%	17	46	47	47	59	48	240	0	--	--	--	--	--	--	--	--	11	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/L	17	0%	17	46	47	47	59	48	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/L	17	0%	17	46	47	47	59	48	240	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/L	17	0%	17	46	47	47	59	48	240	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/L	17	0%	17	46	47	47	59	48	240	0	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/L	17	0%	17	9.3	9.4	9.4	12	9.5	48	0	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/L	17	24%	13	9.3	9.4	9.4	29	13	150	4	7.7	8.5	35	390	1100	1500	30	2	0.45	4
	Octachlorodibenzodioxin	pg/L	17	6%	16	93	93	94	94	94	98	1	94	--	94	94	--	94	--	--	--	--
	Octachlorodibenzofuran	pg/L	17	0%	17	93	94	94	120	95	480	0	--	--	--	--	--	--	--	--	--	--
	TCDD TEQ	pg/L	17	--[b]	--	--	--	--	--	--	--	17	59.8	59.8	61.1	174	89.9	1795	--	--	--	--
General Chemistry	Bromide	ug/L	17	59%	7	260	520	520	780	520	2600	10	390	670	950	970	1200	1800	--	--	--	--
	Bromine	ug/L	17	59%	7	5000	10000	10000	15000	10000	50000	10	780	1400	2000	1900	2400	3500	--	--	--	--
	Chlorate	ug/L	17	18%	14	47	47	260	560	470	4700	3	80	80	11000	7100	11000	10800	--	--	--	--
	Chloride	mg/L	17	100%	0	--	--	--	--	--	--	17	1310	3400	5000	6800	9300	28700	--	--	--	--
	Chlorine	mg/L	17	100%	0	--	--	--	--	--	--	17	1800	5200	7900	13000	17000	57400	4	17	4	17
	Chlorite	ug/L	17	12%	15	80	200	200	520	400	2000	2	270	--	400	400	--	530	1000	0	--	--
	Fluoride	ug/L	17	100%	0	--	--	--	--	--	--	17	350	720	1200	1300	1700	2600	4000	0	4000	0
	Iodide	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Ion Balance Difference	percent	17	100%	0	--	--	--	--	--	--	17	0.12	0.99	1.8	2.1	3.2	5.5	--	--	--	--
	Nitrate	ug/L	17	24%	13	5	5	50	82	100	500	4	120	180	830	790	1400	1400	10000	0	10000	0
	Nitrite	ug/L	17	0%	17	60	60	600	680	1100	3000	0	--	--	--	--	--	--	1000	--	1000	--
	Orthophosphate	ug/L	17	6%	16	50	50	500	4600	5000	50000	1	150	--	150	150	--	150	--	--	--	--
	Perchlorate	ug/L	16	31%	11	1	5	5	12	20	50	5	19.4	26	210	20000	49000	49400	--	--	18	8
	Sulfate	mg/L	17	100%	0	--	--	--	--	--	--	17	879	1300	1500	1900	2200	4770	--	--	--	--
Metals	Aluminum	ug/L	17	18%	14	3.6	36	170	170	300	300	3	4.1	4.1	36	34	61	60.6	--	--	36500	0
	Antimony	ug/L	17	0%	17	0.07	0.7	0.7	7	2.9	50	0	--	--	--	--	--	--	6	--	6	--
	Arsenic	ug/L	17	100%	0	--	--	--	--	--	--	17	25.9	93	130	190	270	608	10	17	10	17
	Barium	ug/L	17	100%	0	--	--	--	--	--	--	17	30.4	37	42	45	53	70.8	2000	0	2000	0
	Beryllium	ug/L	17	0%	17	0.08	0.8	0.8	0.67	0.8	0.8	0	--	--	--	--	--	--	4	--	4	--
	Boron	ug/L	17	100%	0	--	--	--	--	--	--	17	943	1600	1800	2200	2500	4230	--	--	7300	0
	Cadmium	ug/L	17	6%	16	0.04	0.4	0.4	0.36	0.4	0.4	1	0.06	--	0.06	0.06	--	0.06	5	0	5	0
	Calcium	ug/L	17	100%	0	--	--	--	--	--	--	17	246000	320000	450000	540000	670000	1410000	--	--	--	--
	Chromium (Total)	ug/L	17	35%	11	5	5	5	5	5	5	6	0.95	1.1	3.1	3.3	5.7	6.2	100	0	100	0
	Chromium (VI)	ug/L	16	0%	16	3	3	3	8.6	5.3	75	0	--	--	--	--	--	--	100	--	100	--
	Cobalt	ug/L	17	47%	9	20	20	20	20	20	20	8	0.44	0.52	0.98	1.3	2	3.7	--	--	11	9
	Copper	ug/L	17	18%	14	2.8	4.9	5.6	5	5.6	5.6	3	13.1	13	24	36	71	71.1	1300	0	1360	0
	Iron	ug/L	17	100%	0	--	--	--	--	--	--	17	1150	1500	2100	3100	4100	10400	--	--	25600	0
	Lead	ug/L	17	0%	17	0.18	1.8	1.8	1.5	1.8	1.8	0	--	--	--	--	--	--	15	--	15	--
	Lithium	ug/L	17	100%	0	--	--	--	--	--	--	17	253	400	500	560	660	1320	--	--	73	17
	Magnesium	ug/L	17	100%	0	--	--	--	--	--	--	17	125000	350000	410000	530000	590000	1960000	--	--	207000	14
	Manganese	ug/L	17	88%	2	3.1	--	3.1	3.1	--	3.1	15	24.9	280	1200	1100	1900	2600	--	--	510	9
	Mercury	ug/L	17	0%	17	0.027	0.027	0.027	0.078	0.2	0.2	0	--	--	--	--	--	--	2	--	10.95	--
	Molybdenum	ug/L	17	71%	5	50	50	50	50	50	50	12	4	12	23	24	28	71.8	--	--	180	0
	Nickel	ug/L	17	94%	1	50	--	50	50	--	50	16	3.3	6.3	7.8	7.9	10	11.5	--	--	730	0
	Potassium	ug/L	17	100%	0	--	--	--	--	--	--	17	14900	24000	32000	36000	41000	87400	--	--	--	--
	Selenium	ug/L	17	12%	15	3.5	7	7	18	50	50	2	8.6	--	8.7	8.7	--	8.7	50	0	50	0
	Silver	ug/L	17	6%	16	0.075	0.15	0.15	2.6	0.15	20	1	0.31	--	0.31	0.31	--	0.31	--	--	180	0
	Sodium	ug/L	17	100%	0	--	--	--	--	--	--	17	842000	1300000	2000000	3800000	5200000	15400000	--	--	--	--
	Strontium	ug/L	17	100%	0	--	--	--	--	--	--	17	5830	10000	19000	18000	21000	48700	--	--	21900	4
	Thallium	ug/L	17	0%	17	0.02	0.2	20	12	20	20	0	--	--	--	--	--	--	2	--	2	--
	Tin	ug/L	17	6%	16	0.17	1.7	1.7	7.1	20	20	1	3.4	--	3.4	3.4	--	3.4	--	--	21900	0
	Titanium	ug/L	17	94%	1	10	--	10	10	--	10	16	2.7	3.6	5.4	5.8	7.6	11.5	--	--	146000	0
	Tungsten	ug/L	17	0%	17	5	50	50	42	50	50	0	--	--	--	--	--	--	--	--	270	--
	Uranium	ug/L	17	94%	1	10	--	10	10	--	10	16	0.87	9.8	25	50	65	317	30	7	30	7
	Vanadium	ug/L	17	65%	6	0.14	1.1	1.4	1.2	1.4	1.4	11	0.28	4.3	16	34	17	178	--	--	180	0
	Zinc	ug/L	17	6%	16	2	20	20	17	20	20	1	45.1	--	45	45	--	45.1	--	--	11000	0

TABLE 3-2c
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 3RD QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Organochlorine Pesticides	2,4-DDD	ug/L	17	6%	16	0.01	0.01	0.01	0.01	0.01	0.01	1	0.36	--	0.36	0.36	--	0.36	--	--	--	--
	2,4-DDE	ug/L	17	24%	13	0.01	0.01	0.01	0.01	0.01	0.01	4	0.26	0.34	0.59	0.53	0.66	0.67	--	--	--	--
	4,4-DDD	ug/L	17	0%	17	0.01	0.01	0.01	0.01	0.01	0.01	0	--	--	--	--	--	--	--	--	0.28	--
	4,4-DDE	ug/L	17	0%	17	0.02	0.02	0.02	0.02	0.02	0.02	0	--	--	--	--	--	--	--	--	0.2	--
	4,4-DDT	ug/L	17	0%	17	0.01	0.01	0.01	0.01	0.01	0.01	0	--	--	--	--	--	--	--	--	0.2	--
	Aldrin	ug/L	17	0%	17	0.01	0.01	0.01	0.01	0.01	0.01	0	--	--	--	--	--	--	--	--	0.004	--
	alpha-BHC	ug/L	16	94%	1	0.01	--	0.01	0.01	--	0.01	15	0.073	1.2	6.7	65	66	550	--	--	0.011	15
	alpha-Chlordane	ug/L	17	18%	14	0.02	0.02	0.02	0.02	0.02	0.02	3	0.077	0.077	0.14	0.15	0.22	0.22	--	--	--	--
	beta-BHC	ug/L	17	47%	9	0.01	0.01	0.01	0.01	0.01	0.01	8	2.5	17	30	35	58	83	--	--	0.037	8
	Chlordane	ug/L	17	0%	17	0.04	0.04	0.04	0.04	0.04	0.04	0	--	--	--	--	--	--	2	--	2	--
	delta-BHC	ug/L	17	100%	0	--	--	--	--	--	--	17	0.096	0.91	2.5	5.5	6.1	40	--	--	--	--
	Dieldrin	ug/L	17	6%	16	0.01	0.01	0.01	0.01	0.01	0.01	1	0.52	--	0.52	0.52	--	0.52	--	--	0.0042	1
	Endosulfan I	ug/L	17	0%	17	0.02	0.02	0.02	0.02	0.02	0.02	0	--	--	--	--	--	--	--	--	--	--
	Endosulfan II	ug/L	17	12%	15	0.01	0.01	0.01	0.01	0.01	0.01	2	0.068	--	0.34	0.34	--	0.62	--	--	--	--
	Endosulfan sulfate	ug/L	17	0%	17	0.01	0.01	0.01	0.01	0.01	0.01	0	--	--	--	--	--	--	--	--	--	--
	Endrin	ug/L	17	0%	17	0.01	0.01	0.01	0.01	0.01	0.01	0	--	--	--	--	--	--	2	--	2	--
	Endrin aldehyde	ug/L	17	6%	16	0.01	0.01	0.01	0.01	0.01	0.01	1	0.049	--	0.049	0.049	--	0.049	--	--	--	--
	Endrin ketone	ug/L	17	0%	17	0.02	0.02	0.02	0.02	0.02	0.02	0	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	ug/L	17	6%	16	0.01	0.01	0.01	0.01	0.01	0.01	1	0.32	--	0.32	0.32	--	0.32	--	--	--	--
	Heptachlor	ug/L	17	0%	17	0.003	0.003	0.003	0.003	0.003	0.003	0	--	--	--	--	--	--	0.4	--	0.4	--
	Heptachlor epoxide	ug/L	17	0%	17	0.01	0.01	0.01	0.01	0.01	0.01	0	--	--	--	--	--	--	0.2	--	0.2	--
	Lindane	ug/L	17	59%	7	0.003	0.003	0.003	0.003	0.003	0.003	10	0.073	0.2	0.91	6.9	4.9	50	0.2	7	0.2	7
	Methoxychlor	ug/L	17	6%	16	0.01	0.01	0.01	0.01	0.01	0.01	1	0.051	--	0.051	0.051	--	0.051	40	0	40	0
	Toxaphene	ug/L	17	0%	17	0.66	0.66	0.66	0.66	0.66	0.66	0	--	--	--	--	--	--	3	--	3	--
Others	Methyl mercury	ng/L	16	63%	6	0.02	0.02	0.021	0.025	0.028	0.049	10	0.021	0.031	0.066	0.2	0.23	1.06	--	--	3.7	0
	White phosphorus	ug/L	16	0%	16	0.05	0.05	0.05	0.05	0.05	0.05	0	--	--	--	--	--	--	--	--	0.73	--
Polynuclear Aromatic Hydrocarbons	Acenaphthene	ug/L	15	13%	13	0.165	0.19	0.19	0.19	0.19	0.192	2	0.214	--	0.29	0.29	--	0.367	--	--	2190	0
	Acenaphthylene	ug/L	15	0%	15	0.165	0.19	0.19	0.19	0.19	0.192	0	--	--	--	--	--	--	--	--	1100	--
	Anthracene	ug/L	15	0%	15	0.165	0.19	0.19	0.19	0.19	0.192	0	--	--	--	--	--	--	--	--	11000	--
	Benzo(a)anthracene	ug/L	15	0%	15	0.165	0.19	0.19	0.19	0.19	0.192	0	--	--	--	--	--	--	--	--	0.092	--
	Benzo(a)pyrene	ug/L	15	0%	15	0.165	0.19	0.19	0.19	0.19	0.192	0	--	--	--	--	--	--	0.2	--	0.2	--
	Benzo(b)fluoranthene	ug/L	15	0%	15	0.165	0.19	0.19	0.19	0.19	0.192	0	--	--	--	--	--	--	--	--	0.092	--
	Benzo(g,h,i)perylene	ug/L	15	0%	15	0.165	0.19	0.19	0.19	0.19	0.192	0	--	--	--	--	--	--	--	--	1100	--
	Benzo(k)fluoranthene	ug/L	15	0%	15	0.165	0.19	0.19	0.19	0.19	0.192	0	--	--	--	--	--	--	--	--	0.92	--
	Chrysene	ug/L	15	0%	15	0.165	0.19	0.19	0.19	0.19	0.192	0	--	--	--	--	--	--	--	--	9.2	--
	Dibenzo(a,h)anthracene	ug/L	15	0%	15	0.165	0.19	0.19	0.19	0.19	0.192	0	--	--	--	--	--	--	--	--	0.0092	--
	Indeno(1,2,3-cd)pyrene	ug/L	15	0%	15	0.165	0.19	0.19	0.19	0.19	0.192	0	--	--	--	--	--	--	--	--	0.092	--
	Phenanthrene	ug/L	15	7%	14	0.165	0.19	0.19	0.19	0.19	0.192	1	0.173	--	0.17	0.17	--	0.173	--	--	1100	0
	Pyrene	ug/L	15	0%	15	0.165	0.19	0.19	0.19	0.19	0.192	0	--	--	--	--	--	--	--	--	1100	--
Polychlorinated Biphenyls	PCB 105	pg/L	17	0%	17	19	19	19	48	19	350	0	--	--	--	--	--	--	--	--	--	--
	PCB 114	pg/L	17	0%	17	19	19	19	48	19	350	0	--	--	--	--	--	--	--	--	--	--
	PCB 118	pg/L	17	0%	17	19	19	19	48	19	350	0	--	--	--	--	--	--	--	--	--	--
	PCB 123	pg/L	17	0%	17	19	19	19	48	19	350	0	--	--	--	--	--	--	--	--	--	--
	PCB 126	pg/L	17	0%	17	19	19	19	48	19	350	0	--	--	--	--	--	--	--	--	--	--
	PCB 156	pg/L	17	0%	17	19	19	19	43	19	350	0	--	--	--	--	--	--	--	--	--	--
	PCB 157	pg/L	17	0%	17	19	19	19	43	19	350	0	--	--	--	--	--	--	--	--	--	--
	PCB 167	pg/L	17	0%	17	19	19	19	43	19	350	0	--	--	--	--	--	--	--	--	--	--
	PCB 169	pg/L	17	0%	17	19	19	19	43	19	350	0	--	--	--	--	--	--	--	--	--	--
	PCB 189	pg/L	17	0%	17	19	19	19	43	19	350	0	--	--	--	--	--	--	--	--	--	--
	PCB 209	pg/L	17	0%	17	190	190	190	430	190	3500	0	--	--	--	--	--	--	--	--	--	--
	PCB 77	pg/L	17	0%	17	19	19	19	180	64	1800	0	--	--	--	--	--	--	--	--	--	--
	PCB 81	pg/L	17	0%	17	19	19	19	120	19	860	0	--	--	--	--	--	--	--	--	--	--
Radionuclides	Radium-226	pCi/L	16	75%	4	--	--	--	--	--	--	12	-0.0889	0.39	0.82	0.76	0.99	1.63	--	--	--	--
	Radium-226/228	pCi/L	16	--	--	--	--	--	--	--	--	16	0.45	1.7	2	2.9	3.4	12.53	5	1	--	--
	Radium-228	pCi/L	16	75%	4	--	--	--	--	--	--	12	0.392	0.85	1.5	2.1	2.4	10.9	--	--	--	--
	Radon-222	pCi/L	16	100%	0	--	--	--	--	--	--	16	115	250	630	570	870	962	4000	0	300	12
	Thorium-228	pCi/L	3	0%	3	--	--	--	--	--	--	0	-0.0547	-0.055	0.1	0.071	0.17	0.169	--	--	--	--
	Thorium-230	pCi/L	3	0%	3	--	--	--	--	--	--	0	0.0284	0.028	0.2	0.41	1	1	--	--	--	--
	Thorium-232	pCi/L	3	0%	3	--	--	--	--	--	--	0	-0.0622	-0.062	-0.019	0.086	0.34	0.34	--	--	--	--
	Uranium-233/234	pCi/L	3	33%	2	--	--	--	--	--	--	1	0.515	0.52	0.59	1.7	4.1	4.11	--	--	--	--
	Uranium-235/236	pCi/L	3	33%	2	--	--	--	--	--	--	1	-0.056	-0.056	0.096	0.13	0.36	0.358	--	--	--	--
	Uranium-238	pCi/L	3	33%	2	--	--	--	--	--	--	1	0.171	0.17	0.31	1.3	3.3	3.28	--	--	--	--

TABLE 3-2c
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 3RD QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 3 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	1,2,4,5-Tetrachlorobenzene	ug/L	15	7%	14	8.26	9.4	9.4	23	9.6	177	1	82.4	--	82	82	--	82.4	--	--	11	3
	1,2-Diphenylhydrazine	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	0.084	--
	1,4-Dioxane	ug/L	15	27%	11	8.93	9.4	9.5	59	9.7	385	4	1.03	1.1	1.5	2.8	5.7	7.04	--	--	6.1	12
	2,2'-/4,4'-Dichlorobenzil	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	10.95	--
	2,4,5-Trichlorophenol	ug/L	15	13%	13	8.26	9.4	9.4	51	9.6	385	2	1.34	--	2.6	2.6	--	3.88	--	--	3650	0
	2,4,6-Trichlorophenol	ug/L	15	13%	13	8.93	9.4	9.5	53	24	385	2	14.1	--	26	26	--	37.2	--	--	6.1	15
	2,4-Dichlorophenol	ug/L	15	40%	9	8.93	9.4	9.4	70	93	385	6	1.92	4.4	14	21	44	51	--	--	110	2
	2,4-Dimethylphenol	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	730	--
	2,4-Dinitrophenol	ug/L	15	0%	15	16.5	19	19	95	19	769	0	--	--	--	--	--	--	--	--	73	--
	2,4-Dinitrotoluene	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	0.22	--
	2,6-Dinitrotoluene	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	37	--
	2-Chloronaphthalene	ug/L	15	7%	14	0.893	0.94	0.95	5	1.7	38.5	1	2.71	--	2.7	2.7	--	2.71	--	--	2920	0
	2-Chlorophenol	ug/L	15	27%	11	8.93	9.4	9.4	59	9.6	385	4	16.2	19	34	38	60	66.1	--	--	180	1
	2-Methylnaphthalene	ug/L	15	7%	14	0.826	0.94	0.95	5	1.7	38.5	1	0.452	--	0.45	0.45	--	0.452	--	--	--	--
	2-Nitroaniline	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	110	--
	2-Nitrophenol	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	--	--
	3,3-Dichlorobenzidine	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	0.15	--
	3-Nitroaniline	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	--	--
	4-Bromophenyl phenyl ether	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	ug/L	15	7%	14	8.26	9.4	9.5	50	17	385	1	5.96	--	6	6	--	5.96	--	--	--	--
	4-Nitroaniline	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	290	--
	Acetophenone	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	3650	--
	Aniline	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	12	--
	Benzenethiol	ug/L	15	27%	11	8.26	9.4	9.4	25	9.6	177	4	10.7	11	19	120	340	449	--	--	--	--
	Benzoic acid	ug/L	15	0%	15	16.5	19	19	95	19	769	0	--	--	--	--	--	--	--	--	146000	--
	Benzyl alcohol	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	18300	--
	bis(2-Chloroethoxy)methane	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	0.054	--
	bis(2-Chloroisopropyl) ether	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	0.9	--
	bis(2-Ethylhexyl)phthalate	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	6	--	6	--
	bis(p-Chlorophenyl) sulfone	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	--	--
	bis(p-Chlorophenyl)disulfide	ug/L	15	33%	10	8.26	9.3	9.4	12	9.6	37.7	5	36.4	37	40	740	1800	3510	--	--	--	--
	Butylbenzyl phthalate	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	7300	--
	Carbazole	ug/L	15	0%	15	0.826	0.94	0.94	4.7	0.97	38.5	0	--	--	--	--	--	--	--	--	3.4	--
	Dibenzofuran	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	73	--
	Diethyl phthalate	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	29200	--
	Dimethyl phthalate	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	365000	--
	Di-n-butyl phthalate	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	3650	--
	Di-n-octyl phthalate	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	--	--
	Diphenyl disulfide	ug/L	15	33%	10	8.26	9.3	9.4	12	9.6	37.7	5	8.14	28	81	830	2000	2710	--	--	--	--
	Diphenyl sulfide	ug/L	15	13%	13	8.26	9.4	9.4	40	9.7	385	2	5.02	--	570	570	--	1130	--	--	--	--
	Diphenyl sulfone	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	110	--
	Diphenylamine	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	910	--
	Fluoranthene	ug/L	15	0%	15	0.826	0.94	0.94	4.7	0.97	38.5	0	--	--	--	--	--	--	--	--	1460	--
	Fluorene	ug/L	15	0%	15	0.826	0.94	0.94	4.7	0.97	38.5	0	--	--	--	--	--	--	--	--	1460	--
	Hexachlorobenzene	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	1	--	1	--
	Hexachlorobutadiene	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	0.86	--
	Hexachlorocyclopentadiene	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	50	--	50	--
	Hexachloroethane	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	4.8	--
	Hydroxymethyl phthalimide	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	--	--
	Isophorone	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	71	--
	m,p-Cresols	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	--	--
	Naphthalene	ug/L	15	13%	13	0.826	0.94	0.94	5.1	0.97	38.5	2	1.87	--	4.2	4.2	--	6.45	--	--	4.3	3
	Nitrobenzene	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	3.7	--
	N-nitrosodi-n-propylamine	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	0.0096	--
	o-Cresol	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	1830	--
	Octachlorostyrene	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2c
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 3RD QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	p-Chloroaniline	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	150	--
	p-Chlorobenzenethiol	ug/L	15	27%	11	8.26	9.4	9.4	27	9.7	177	4	6.99	9.6	18	220	620	826	--	--	--	--
	Pentachlorobenzene	ug/L	15	13%	13	8.26	9.4	9.4	53	24	385	2	2.51	--	2.6	2.6	--	2.59	--	--	29	3
	Pentachlorophenol	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	1	--	1	--
	Phenol	ug/L	15	13%	13	8.93	9.4	9.4	25	9.7	177	2	1.62	--	42	42	--	82.6	--	--	11000	0
	Pyridine	ug/L	15	0%	15	8.26	9.4	9.4	47	9.7	385	0	--	--	--	--	--	--	--	--	37	--
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	16	0%	16	0.16	0.16	1.6	11	16	82	0	--	--	--	--	--	--	--	--	2.3	--
	1,1,1-Trichloroethane	ug/L	16	0%	16	0.088	0.088	0.88	5.9	8.8	44	0	--	--	--	--	--	--	200	--	200	--
	1,1,2,2-Tetrachloroethane	ug/L	16	0%	16	0.11	0.11	1.1	7.5	11	56	0	--	--	--	--	--	--	--	--	0.3	--
	1,1,2-Trichloroethane	ug/L	16	13%	14	0.071	0.071	2.2	5.5	7.1	36	2	0.2	--	0.28	0.28	--	0.36	5	0	5	0
	1,1,2-Trifluoro-1,2,2-trichloroethane (Freon-113)	ug/L	16	0%	16	0.12	0.12	1.2	8.1	12	60	0	--	--	--	--	--	--	--	--	876000	--
	1,1-Dichloroethane	ug/L	16	88%	2	8.3	--	25	25	--	42	14	1.7	5.6	14	20	33	66	--	--	12	8
	1,1-Dichloroethene	ug/L	16	6%	15	0.11	0.11	1.1	7.8	11	54	1	1.5	--	1.5	1.5	--	1.5	7	0	7	0
	1,1-Dichloropropene	ug/L	16	0%	16	0.068	0.068	0.68	4.6	6.8	34	0	--	--	--	--	--	--	--	--	--	--
	1,2,3-Trichlorobenzene	ug/L	16	38%	10	0.16	0.16	1.6	13	16	80	6	0.52	4.7	12	20	33	65	--	--	--	--
	1,2,3-Trichloropropane	ug/L	16	0%	16	0.23	0.23	2.3	16	23	120	0	--	--	--	--	--	--	--	--	0.034	--
	1,2,4-Trichlorobenzene	ug/L	16	50%	8	0.16	0.16	0.88	4.5	12	16	8	0.29	24	67	140	180	590	70	4	70	4
	1,2,4-Trimethylbenzene	ug/L	16	0%	16	0.062	0.062	0.62	4.2	6.2	31	0	--	--	--	--	--	--	--	--	51	--
	1,2-Dichlorobenzene	ug/L	16	88%	2	0.11	--	0.11	0.11	--	0.11	14	0.75	7.5	120	440	1000	1900	600	5	600	5
	1,2-Dichloroethane	ug/L	16	75%	4	5	5	5	10	20	25	12	1.3	1.8	5.9	13	23	45	5	6	5	6
	1,2-Dichloroethene	ug/L	16	6%	15	0.21	0.21	2.1	15	21	100	1	1.1	--	1.1	1.1	--	1.1	--	--	--	--
	1,2-Dichloropropane	ug/L	16	6%	15	0.054	0.054	0.54	3.9	5.4	27	1	0.4	--	0.4	0.4	--	0.4	5	0	5	0
	1,3,5-Trichlorobenzene	ug/L	16	13%	14	0.12	0.12	1.2	8.4	12	61	2	0.28	--	13	13	--	25	--	--	--	--
	1,3,5-Trimethylbenzene	ug/L	16	0%	16	0.11	0.11	1.1	7.3	11	53	0	--	--	--	--	--	--	--	--	590	--
	1,3-Dichlorobenzene	ug/L	16	50%	8	0.081	0.081	0.45	2.3	6.3	8.1	8	0.2	5.3	24	36	71	96	--	--	110	0
	1,3-Dichloropropane	ug/L	16	0%	16	0.053	0.053	0.53	3.5	5.3	26	0	--	--	--	--	--	--	--	--	730	--
	1,4-Dichlorobenzene	ug/L	16	88%	2	0.11	--	0.11	0.11	--	0.11	14	0.8	8.3	190	860	1900	3800	75	8	75	8
	2,2,3-Trimethylbutane	ug/L	16	0%	16	0.23	0.23	2.3	16	23	120	0	--	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	ug/L	16	0%	16	0.1	0.1	1	6.9	10	52	0	--	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	ug/L	16	0%	16	0.16	0.16	1.6	11	16	82	0	--	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	ug/L	16	6%	15	0.18	0.18	1.8	13	18	90	1	12	--	12	12	--	12	--	--	--	--
	2,4-Dimethylpentane	ug/L	16	0%	16	0.19	0.19	1.9	13	19	93	0	--	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	ug/L	16	6%	15	0.11	0.11	1.1	7.7	11	53	1	0.35	--	0.35	0.35	--	0.35	--	--	730	0
	2-Hexanone	ug/L	16	0%	16	1.3	1.3	13	87	130	640	0	--	--	--	--	--	--	--	--	--	--
	2-Methylhexane	ug/L	16	6%	15	0.15	0.15	1.5	11	15	76	1	1.2	--	1.2	1.2	--	1.2	--	--	--	--
	2-Nitropropane	ug/L	16	0%	16	1.1	1.1	11	74	110	550	0	--	--	--	--	--	--	--	--	0.0063	--
	3,3-Dimethylpentane	ug/L	16	6%	15	0.2	0.2	2	14	20	100	1	1.7	--	1.7	1.7	--	1.7	--	--	--	--
	3-Ethylpentane	ug/L	16	6%	15	0.089	0.089	0.89	6.3	8.9	44	1	3.7	--	3.7	3.7	--	3.7	--	--	--	--
	3-Methylhexane	ug/L	16	0%	16	0.17	0.17	1.7	11	17	84	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorotoluene	ug/L	16	6%	15	0.095	0.095	0.95	6.9	9.5	48	1	0.28	--	0.28	0.28	--	0.28	--	--	--	--
	Acetone	ug/L	16	0%	16	0.42	0.42	4.2	28	42	210	0	--	--	--	--	--	--	--	--	32600	--
	Acetonitrile	ug/L	16	0%	16	4.2	4.2	42	280	420	2100	0	--	--	--	--	--	--	--	--	440	--
	Benzene	ug/L	16	94%	1	0.06	--	0.06	0.06	--	0.06	15	0.078	3.8	48	12000	6100	72000	5	10	5	10
	Bromobenzene	ug/L	16	6%	15	0.084	0.084	0.84	6	8.4	42	1	0.15	--	0.15	0.15	--	0.15	--	--	490	0
	Bromodichloromethane	ug/L	16	0%	16	0.098	0.098	0.98	6.6	9.8	49	0	--	--	--	--	--	--	--	--	1.1	--
	Bromoform	ug/L	16	0%	16	0.15	0.15	1.5	10	15	76	0	--	--	--	--	--	--	--	--	8.5	--
	Bromomethane	ug/L	16	0%	16	0.096	0.096	0.96	6.5	9.6	48	0	--	--	--	--	--	--	--	--	48	--
	Carbon disulfide	ug/L	16	6%	15	0.52	0.52	5.2	34	52	260	1	1200	--	1200	1200	--	1200	--	--	3520	0
	Carbon tetrachloride	ug/L	16	6%	15	0.073	0.073	0.73	5.2	7.3	36	1	0.4	--	0.4	0.4	--	0.4	5	0	5	0
	Chlorobenzene	ug/L	16	100%	0	--	--	--	--	--	--	16	0.3	450	1200	11000	8700	49000	100	13	100	13
	Chlorobromomethane	ug/L	16	0%	16	0.12	0.12	0.12	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	--	--
	Chloroethane	ug/L	16	13%	14	0.085	0.085	2.5	6.5	8.5	42	2	0.31	--	0.48	0.48	--	0.64	--	--	23	0
	Chloroform	ug/L	16	81%	3	0.067	0.067	0.067	2.3	6.7	6.7	13	0.1	1.2	6.9	1700	580	17000	--	--	1.6	7
	Chloromethane	ug/L	16	0%	16	0.086	0.086	0.86	5.8	8.6	43	0	--	--	--	--	--	--	--	--	81	--
	cis-1,2-Dichloroethene	ug/L	16	13%	14	0.14	0.14	4.1	11	14	68	2	0.16	--	0.52	0.52	--	0.88	70	0	70	0
	cis-1,3-Dichloropropene	ug/L	16	0%	16	0.099	0.099	0.99	6.7	9.9	50	0	--	--	--	--	--	--	--	--	--	--
	Cymene (Isopropyltoluene)	ug/L	16	0%	16	0.11	0.11	1.1	7.5	11	56	0	--	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	ug/L	16	0%	16	0.21	0.21	0.21	0.21	0.21	0.21	0	--	--	--	--	--	--	--	--	0.7	--
	Dibromochloropropane	ug/L	16	0%	16	0.2	0.2	2	13	20	100	0	--	--	--	--	--	--	0.2	--	0.2	--
	Dibromomethane	ug/L	16	0%	16	0.095	0.095	0.95	6.4	9.5	48	0	--	--	--	--	--	--	--	--	370	--
	Dichlorodifluoromethane (Freon-12)	ug/L	16	0%	16	0.058	0.058	0.58	3.9	5.8	29	0	--	--	--	--	--	--	--	--	5840	--
	Dichloromethane	ug/L	16	13%	14	0.1	0.1	0.55	6.3	10	51	2	1400	--	2600	2600	--	3800	5	2	5	2
	Dimethyldisulfide	ug/L	16	0%	16	0.27	0.27	2.7	18	27	130	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2c
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 3RD QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 5 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Volatile Organic Compounds	Ethanol	ug/L	16	0%	16	85	85	850	5800	8500	43000	0	--	--	--	--	--	--	--	--	--	--
	Ethylbenzene	ug/L	16	0%	16	0.11	0.11	1.1	7.3	11	54	0	--	--	--	--	--	--	700	--	700	--
	Heptane	ug/L	16	0%	16	0.12	0.12	0.12	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	--	--
	Isopropylbenzene	ug/L	16	0%	16	0.096	0.096	0.96	6.5	9.6	48	0	--	--	--	--	--	--	--	--	3440	--
	m,p-Xylenes	ug/L	16	0%	16	0.19	0.19	1.9	13	19	96	0	--	--	--	--	--	--	--	--	42600	--
	Methyl ethyl ketone	ug/L	16	0%	16	0.83	0.83	8.3	56	83	410	0	--	--	--	--	--	--	--	--	21300	--
	Methyl iodide	ug/L	16	0%	16	0.091	0.091	0.91	6.2	9.1	46	0	--	--	--	--	--	--	--	--	--	--
	Methyl isobutyl ketone	ug/L	16	0%	16	0.32	0.32	3.2	22	32	160	0	--	--	--	--	--	--	--	--	2900	--
	MTBE (Methyl tert-butyl ether)	ug/L	16	0%	16	0.098	0.098	0.98	6.6	9.8	49	0	--	--	--	--	--	--	--	--	35	--
	n-Butylbenzene	ug/L	16	0%	16	0.12	0.12	1.2	7.9	12	58	0	--	--	--	--	--	--	--	--	370	--
	Nonanal	ug/L	16	0%	16	1.2	1.2	12	81	120	610	0	--	--	--	--	--	--	--	--	--	--
	n-Propylbenzene	ug/L	16	0%	16	0.093	0.093	0.93	6.2	9.3	46	0	--	--	--	--	--	--	--	--	370	--
	o-Xylene	ug/L	16	0%	16	0.055	0.055	0.55	3.7	5.5	28	0	--	--	--	--	--	--	--	--	42600	--
	sec-Butylbenzene	ug/L	16	0%	16	0.085	0.085	0.85	5.7	8.5	42	0	--	--	--	--	--	--	--	--	370	--
	Styrene	ug/L	16	0%	16	0.042	0.042	0.42	2.8	4.2	21	0	--	--	--	--	--	--	100	--	100	--
	tert-Butylbenzene	ug/L	16	0%	16	0.11	0.11	1.1	7.5	11	56	0	--	--	--	--	--	--	--	--	370	--
	Tetrachloroethene	ug/L	16	75%	4	0.065	0.065	1.6	2.5	5.7	6.5	12	0.13	0.33	8.4	15	13	110	5	7	5	7
	Toluene	ug/L	16	0%	16	0.07	0.07	0.7	4.7	7	35	0	--	--	--	--	--	--	1000	--	1000	--
	Total Trihalomethanes	ug/L	16	--[b]	--	--	--	--	--	--	--	16	0.26	1.3	9.2	1400	67	17013	80	3	--	--
	trans-1,2-Dichloroethene	ug/L	16	6%	15	0.081	0.081	0.81	5.8	8.1	40	1	0.18	--	0.18	0.18	--	0.18	100	0	100	0
	trans-1,3-Dichloropropene	ug/L	16	0%	16	0.23	0.23	2.3	15	23	110	0	--	--	--	--	--	--	--	--	--	--
	Trichloroethene	ug/L	16	50%	8	0.091	2.3	9.1	11	9.1	46	8	0.099	0.49	4.8	14	8.8	82	5	4	5	4
	Trichlorofluoromethane (Freon-11)	ug/L	16	0%	16	0.11	0.11	1.1	7.3	11	54	0	--	--	--	--	--	--	--	--	9890	--
	Vinyl acetate	ug/L	16	0%	16	0.23	0.23	2.3	16	23	120	0	--	--	--	--	--	--	--	--	16200	--
	Vinyl chloride	ug/L	16	6%	15	0.091	0.091	0.91	6.6	9.1	46	1	0.66	--	0.66	0.66	--	0.66	2	0	2	0
	Xylenes (total)	ug/L	16	0%	16	0.22	0.22	2.2	15	22	110	0	--	--	--	--	--	--	10000	--	10000	--
Water Quality Parameters	Bicarbonate alkalinity	mg/L	17	100%	0	--	--	--	--	--	--	17	89	130	210	290	450	860	--	--	--	--
	Carbonate alkalinity	mg/L	17	0%	17	0.31	0.31	0.31	0.31	0.31	0.31	0	--	--	--	--	--	--	--	--	--	--
	Hardness, Total	mg/L	17	100%	0	--	--	--	--	--	--	17	851	1500	2800	3300	4100	11600	--	--	--	--
	Hydroxide alkalinity	mg/L	17	0%	17	0.31	0.31	0.31	0.31	0.31	0.31	0	--	--	--	--	--	--	--	--	--	--
	Total Alkalinity	mg/L	17	100%	0	--	--	--	--	--	--	17	89	130	210	290	450	860	--	--	--	--
	Total Dissolved Solids	mg/L	17	100%	0	--	--	--	--	--	--	17	3300	6900	14000	17000	22000	61600	500	17	--	--

Notes:

BCL = Basic Comparison Levels (BCLs) from NDEP 2009e.
Max = Maximum
Min = Minimum
Q1 = 1st quartile (25th percentile)
Q3 = 3rd quartile (75th percentile)
Because both non-detect and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the lab detect flag. Lab detect flags are represented by the censored (non-detect) and detect count fields in the table.
Values for Q1, median, mean, and Q3 are rounded to 2 significant figures. BCLs are rounded to 2 significant figures.
a - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the dataset.
b - TCDD TEQ values are calculated from congener-specific concentrations (including PCB congeners). An individual TCDD TEQ value may include detect and non-detect congeners. Total trihalomethanes are calculated from the sum of bromodichloromethane, bromoform, chloroform, and dibromochloromethane. Therefore, the number of detects and non-detects, and a frequency of detection for TCDD TEQ and total trihalomethanes are not presented.
-- = Not applicable or no value has been established.

TABLE 3-2d
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 4TH QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	11	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/L	17	0%	17	46	47	48	81	51	240	0	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/L	17	0%	17	9.1	9.3	9.6	16	10	47	0	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/L	17	6%	16	9.1	9.5	9.7	130	81	1500	1	7300	--	7300	7300	--	7300	30	1	0.45	1
	Octachlorodibenzodioxin	pg/L	17	0%	17	91	93	96	160	100	470	0	--	--	--	--	--	--	--	--	--	--
	Octachlorodibenzofuran	pg/L	17	0%	17	91	93	96	160	100	470	0	--	--	--	--	--	--	--	--	--	--
	TCDD TEQ	pg/L	17	--[b]	--	--	--	--	--	--	--	17	58.6	61.1	62.3	586	133	7567	--	--	--	--
General Chemistry	Bromide	ug/L	19	63%	7	260	520	1300	1200	1300	2600	12	260	520	790	830	1200	1300	--	--	--	--
	Bromine	ug/L	19	74%	5	5000	7500	25000	23000	38000	50000	14	520	1100	1700	1600	2200	2600	--	--	--	--
	Chlorate	ug/L	19	16%	16	47	47	94	540	470	4700	3	160	160	2900	4700	11000	11000	--	--	--	--
	Chloride	mg/L	19	100%	0	--	--	--	--	--	--	19	225	2600	5600	7200	10000	30800	--	--	--	--
	Chlorine	mg/L	19	100%	0	--	--	--	--	--	--	19	451	5200	11000	14000	20000	61700	4	19	4	19
	Chlorite	ug/L	19	5%	18	20	70	300	260	400	800	1	140	--	140	140	--	140	1000	0	--	--
	Fluoride	ug/L	19	63%	7	10	10	20	17	20	20	12	270	740	960	1100	1700	2000	4000	0	4000	0
	Iodide	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Ion Balance Difference	percent	19	--	--	--	--	--	--	--	--	19	1.2	3	4.1	4.8	7	9.3	--	--	--	--
	Nitrate	ug/L	19	47%	10	5	8.8	10	28	50	100	9	20	110	270	820	1000	4200	10000	0	10000	0
	Nitrite	ug/L	19	0%	19	60	60	150	610	600	6000	0	--	--	--	--	--	--	1000	--	1000	--
	Orthophosphate	ug/L	19	32%	13	50	50	250	680	750	5000	6	140	160	220	1900	2800	10200	--	--	--	--
	Perchlorate	ug/L	19	58%	8	1	1	15	23	50	50	11	2.76	43	1800	7500	10000	51400	--	--	18	9
	Sulfate	mg/L	19	100%	0	--	--	--	--	--	--	19	251	1100	1700	2000	2400	4660	--	--	--	--
Metals	Aluminum	ug/L	19	16%	16	7.2	23	36	33	36	72.4	3	87.8	88	110	370	930	928	--	--	36500	0
	Antimony	ug/L	19	0%	19	0.14	0.35	0.7	0.6	0.7	1.4	0	--	--	--	--	--	--	6	--	6	--
	Arsenic	ug/L	19	100%	0	--	--	--	--	--	--	19	22.3	84	110	180	260	626	10	19	10	19
	Barium	ug/L	19	100%	0	--	--	--	--	--	--	19	26.6	36	39	44	53	72	2000	0	2000	0
	Beryllium	ug/L	19	0%	19	0.16	0.4	0.8	0.68	0.8	1.6	0	--	--	--	--	--	--	4	--	4	--
	Boron	ug/L	19	100%	0	--	--	--	--	--	--	19	597	1500	1700	1900	2400	4070	--	--	7300	0
	Cadmium	ug/L	19	5%	18	0.08	0.2	0.4	0.35	0.4	0.8	1	0.24	--	0.24	0.24	--	0.24	5	0	5	0
	Calcium	mg/L	19	100%	0	--	--	--	--	--	--	19	58	290	380	500	700	1580	--	--	--	--
	Chromium (Total)	ug/L	19	47%	10	2.5	4.4	5	5	5	10	9	1.4	4.5	8.1	6.9	9.3	11.4	100	0	100	0
	Chromium (VI)	ug/L	19	11%	17	0.15	0.15	0.75	0.6	0.75	1.5	2	0.69	--	2.2	2.2	--	3.8	100	0	100	0
	Cobalt	ug/L	19	63%	7	0.02	0.05	0.1	0.074	0.1	0.1	12	0.23	1.2	1.6	2.8	1.9	15.6	--	--	11	1
	Copper	ug/L	19	16%	16	1.1	2.8	5.6	4.8	5.6	11.2	3	18.3	18	37	32	40	39.5	1300	0	1360	0
	Iron	ug/L	19	100%	0	--	--	--	--	--	--	19	487	1600	2600	3200	4500	8650	--	--	25600	0
	Lead	ug/L	19	0%	19	0.36	0.9	1.8	1.5	1.8	3.6	0	--	--	--	--	--	--	15	--	15	--
	Lithium	ug/L	19	100%	0	--	--	--	--	--	--	19	95.8	310	450	500	590	1200	--	--	73	19
	Magnesium	mg/L	19	100%	0	--	--	--	--	--	--	19	27.8	200	430	540	620	2290	--	--	207000	14
	Manganese	ug/L	19	100%	0	--	--	--	--	--	--	19	3	180	620	900	1500	2570	--	--	510	10
	Mercury	ug/L	19	5%	18	0.027	0.027	0.027	0.027	0.027	0.027	1	0.036	--	0.036	0.036	--	0.036	2	0	10.95	0
	Molybdenum	ug/L	19	74%	5	0.7	1.1	1.4	1.3	1.4	1.4	14	6.8	12	25	26	32	73.7	--	--	180	0
	Nickel	ug/L	19	100%	0	--	--	--	--	--	--	19	2.8	4.4	9	9.4	14	23.5	--	--	730	0
	Potassium	mg/L	19	100%	0	--	--	--	--	--	--	19	9.24	24	32	37	45	94.1	--	--	--	--
	Selenium	ug/L	19	16%	16	3.5	3.5	7	5.9	7	7	3	1.4	1.4	9.1	13	27	27.2	50	0	50	0
	Silver	ug/L	19	0%	19	0.03	0.075	0.15	0.13	0.15	0.3	0	--	--	--	--	--	--	--	--	180	--
	Sodium	mg/L	19	100%	0	--	--	--	--	--	--	19	201	1300	3100	4600	6900	18400	--	--	--	--
	Strontium	ug/L	19	100%	0	--	--	--	--	--	--	19	1360	6900	16000	17000	21000	49700	--	--	21900	4
	Thallium	ug/L	19	5%	18	0.04	0.1	0.2	0.17	0.2	0.4	1	0.12	--	0.12	0.12	--	0.12	2	0	2	0
	Tin	ug/L	19	0%	19	0.34	0.85	1.7	1.4	1.7	3.4	0	--	--	--	--	--	--	--	--	21900	--
	Titanium	ug/L	19	21%	15	3	3	3	3	3	3	4	5.4	5.8	7.8	16	35	43.9	--	--	146000	0
	Tungsten	ug/L	19	0%	19	0.044	0.11	0.22	0.19	0.22	0.44	0	--	--	--	--	--	--	--	--	270	--
	Uranium	ug/L	19	79%	4	0.2	0.2	0.2	0.2	0.2	0.2	15	0.92	14	21	49	58	343	30	5	30	5
	Vanadium	ug/L	19	68%	6	1.4	1.4	1.4	1.4	1.4	1.4	13	3.9	7.3	24	33	53	119	--	--	180	0
	Zinc	ug/L	19	0%	19	4	10	20	17	20	40	0	--	--	--	--	--	--	--	--	11000	--

TABLE 3-2d
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 4TH QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Organochlorine Pesticides	2,4-DDD	ug/L	19	11%	17	0.01	0.01	0.01	0.01	0.01	0.01	2	0.072	--	0.075	0.075	--	0.078	--	--	--	--
	2,4-DDE	ug/L	19	32%	13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.56	0.64	0.72	1.7	2.4	6.6	--	--	--	--
	4,4-DDD	ug/L	19	0%	19	0.01	0.01	0.01	0.01	0.01	0.01	0	--	--	--	--	--	--	--	--	0.28	--
	4,4-DDE	ug/L	19	0%	19	0.02	0.02	0.02	0.02	0.02	0.02	0	--	--	--	--	--	--	--	--	0.2	--
	4,4-DDT	ug/L	19	0%	19	0.01	0.01	0.01	0.01	0.01	0.01	0	--	--	--	--	--	--	--	--	0.2	--
	Aldrin	ug/L	19	5%	18	0.01	0.01	0.01	0.01	0.01	0.01	1	0.5	--	0.5	0.5	--	0.5	--	--	0.004	1
	alpha-BHC	ug/L	19	89%	2	0.01	--	0.01	0.01	--	0.01	17	0.42	3.1	11	62	91	470	--	--	0.011	17
	alpha-Chlordane	ug/L	19	21%	15	0.02	0.02	0.02	0.02	0.02	0.02	4	0.15	0.17	0.24	0.25	0.35	0.38	--	--	--	--
	beta-BHC	ug/L	19	53%	9	0.01	0.01	0.01	0.01	0.01	0.01	10	2.2	20	34	42	74	86	--	--	0.037	10
	Chlordane	ug/L	19	0%	19	0.04	0.04	0.04	0.04	0.04	0.04	0	--	--	--	--	--	--	2	--	2	--
	delta-BHC	ug/L	19	95%	1	0.01	--	0.01	0.01	--	0.01	18	0.056	1.5	3.5	6.2	6.1	46	--	--	--	--
	Dieldrin	ug/L	19	5%	18	0.01	0.01	0.01	0.01	0.01	0.01	1	0.19	--	0.19	0.19	--	0.19	--	--	0.0042	1
	Endosulfan I	ug/L	19	0%	19	0.02	0.02	0.02	0.02	0.02	0.02	0	--	--	--	--	--	--	--	--	--	--
	Endosulfan II	ug/L	19	11%	17	0.01	0.01	0.01	0.01	0.01	0.01	2	0.053	--	0.45	0.45	--	0.84	--	--	--	--
	Endosulfan sulfate	ug/L	19	0%	19	0.01	0.01	0.01	0.01	0.01	0.01	0	--	--	--	--	--	--	--	--	--	--
	Endrin	ug/L	19	5%	18	0.01	0.01	0.01	0.01	0.01	0.01	1	0.11	--	0.11	0.11	--	0.11	2	0	2	0
	Endrin aldehyde	ug/L	19	11%	17	0.01	0.01	0.01	0.01	0.01	0.01	2	0.11	--	0.12	0.12	--	0.12	--	--	--	--
	Endrin ketone	ug/L	19	0%	19	0.02	0.02	0.02	0.02	0.02	0.02	0	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	ug/L	19	0%	19	0.01	0.01	0.01	0.01	0.01	0.01	0	--	--	--	--	--	--	--	--	--	--
	Heptachlor	ug/L	19	5%	18	0.003	0.003	0.003	0.003	0.003	0.003	1	0.22	--	0.22	0.22	--	0.22	0.4	0	0.4	0
	Heptachlor epoxide	ug/L	19	0%	19	0.01	0.01	0.01	0.01	0.01	0.01	0	--	--	--	--	--	--	0.2	--	0.2	--
	Lindane	ug/L	19	58%	8	0.003	0.003	0.003	0.003	0.003	0.003	11	0.11	0.14	1.3	6.7	3.1	50	0.2	7	0.2	7
	Methoxychlor	ug/L	19	11%	17	0.001	0.01	0.01	0.28	0.66	0.66	2	0.055	--	0.069	0.069	--	0.083	40	0	40	0
	Toxaphene	ug/L	19	0%	19	0.66	0.66	0.66	0.66	0.66	0.66	0	--	--	--	--	--	--	3	--	3	--
Others	Methyl mercury	ng/L	16	25%	12	0.019	0.02	0.04	0.11	0.22	0.451	4	0.027	0.033	0.069	0.11	0.21	0.256	--	--	3.7	0
	White phosphorus	ug/L	16	0%	16	0.05	0.05	0.05	0.05	0.05	0.05	0	--	--	--	--	--	--	--	--	0.73	--
Polynuclear Aromatic Hydrocarbons	Acenaphthene	ug/L	19	5%	18	0.0424	0.048	0.048	0.38	0.05	5.96	1	0.322	--	0.32	0.32	--	0.322	--	--	2190	0
	Acenaphthylene	ug/L	19	0%	19	0.0424	0.048	0.048	0.25	0.05	3.85	0	--	--	--	--	--	--	--	--	1100	--
	Anthracene	ug/L	19	0%	19	0.0424	0.048	0.048	0.25	0.05	3.85	0	--	--	--	--	--	--	--	--	11000	--
	Benzo(a)anthracene	ug/L	19	0%	19	0.0424	0.048	0.048	0.25	0.05	3.85	0	--	--	--	--	--	--	--	--	0.092	--
	Benzo(a)pyrene	ug/L	19	0%	19	0.0424	0.048	0.048	0.25	0.05	3.85	0	--	--	--	--	--	--	0.2	--	0.2	--
	Benzo(b)fluoranthene	ug/L	19	0%	19	0.0424	0.048	0.048	0.25	0.05	3.85	0	--	--	--	--	--	--	--	--	0.092	--
	Benzo(g,h,i)perylene	ug/L	19	0%	19	0.0424	0.048	0.048	0.25	0.05	3.85	0	--	--	--	--	--	--	--	--	1100	--
	Benzo(k)fluoranthene	ug/L	19	0%	19	0.0424	0.048	0.048	0.25	0.05	3.85	0	--	--	--	--	--	--	--	--	0.92	--
	Chrysene	ug/L	19	0%	19	0.0424	0.048	0.048	0.25	0.05	3.85	0	--	--	--	--	--	--	--	--	9.2	--
	Dibenzo(a,h)anthracene	ug/L	19	0%	19	0.0424	0.048	0.048	0.25	0.05	3.85	0	--	--	--	--	--	--	--	--	0.0092	--
	Indeno(1,2,3-cd)pyrene	ug/L	19	0%	19	0.0424	0.048	0.048	0.25	0.05	3.85	0	--	--	--	--	--	--	--	--	0.092	--
	Phenanthrene	ug/L	19	5%	18	0.0424	0.048	0.048	0.26	0.05	3.85	1	0.145	--	0.15	0.15	--	0.145	--	--	1100	0
	Pyrene	ug/L	19	0%	19	0.0424	0.048	0.048	0.35	0.05	5.77	0	--	--	--	--	--	--	--	--	1100	--
Polychlorinated Biphenyls	PCB 105	pg/L	17	18%	14	20	20	20	20	20	20	3	32	32	1600	1100	1700	1700	--	--	--	--
	PCB 114	pg/L	17	0%	17	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 118	pg/L	17	24%	13	20	20	20	20	20	20	4	22	38	1500	2000	4400	4900	--	--	--	--
	PCB 123	pg/L	17	0%	17	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 126	pg/L	17	0%	17	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 156	pg/L	17	12%	15	20	20	20	20	20	20	2	660	--	680	680	--	690	--	--	--	--
	PCB 157	pg/L	17	0%	17	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 167	pg/L	17	12%	15	20	20	20	20	20	20	2	240	--	340	340	--	430	--	--	--	--
	PCB 169	pg/L	17	0%	17	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 189	pg/L	17	0%	17	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 209	pg/L	17	0%	17	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 77	pg/L	17	0%	17	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 81	pg/L	17	0%	17	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
Radionuclides	Radium-226	pCi/L	19	89%	2	--	--	--	--	--	--	17	0.355	0.88	1.7	1.5	2	2.68	--	--	--	--
	Radium-226/228	pCi/L	19	--[b]	--	--	--	--	--	--	--	19	1.32	2.1	3.1	3.4	3.6	12.6	5	1	--	--
	Radium-228	pCi/L	19	84%	3	--	--	--	--	--	--	16	0.444	0.95	1.1	1.8	1.8	11.9	--	--	--	--
	Radon-222	pCi/L	19	100%	0	--	--	--	--	--	--	19	90	270	440	470	690	837	4000	0	300	13
	Thorium-228	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Thorium-230	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Thorium-232	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Uranium-233/234	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Uranium-235/236	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Uranium-238	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3-2d
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 4TH QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 3 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	1,2,4,5-Tetrachlorobenzene	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	11	--
	1,2-Diphenylhydrazine	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	0.084	--
	1,4-Dioxane	ug/L	19	11%	17	0.847	0.95	1	7.4	15	37.7	2	1.18	--	1.3	1.3	--	1.36	--	--	6.1	0
	2,2'-/4,4'-Dichlorobenzil	ug/L	19	0%	19	2.8	3.1	3.2	22	33	125	0	--	--	--	--	--	--	--	--	10.95	--
	2,4,5-Trichlorophenol	ug/L	19	16%	16	0.847	0.95	1	7.8	17	37.7	3	1.16	1.2	1.2	11	30	29.6	--	--	3650	0
	2,4,6-Trichlorophenol	ug/L	19	5%	18	1.69	1.9	2	14	25	75.5	1	13.6	--	14	14	--	13.6	--	--	6.1	1
	2,4-Dichlorophenol	ug/L	19	26%	14	1.79	1.9	2	17	38	75.5	5	2.31	2.3	4.7	20	44	52.3	--	--	110	0
	2,4-Dimethylphenol	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	730	--
	2,4-Dinitrophenol	ug/L	19	0%	19	8.47	9.5	9.7	67	100	377	0	--	--	--	--	--	--	--	--	73	--
	2,4-Dinitrotoluene	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	0.22	--
	2,6-Dinitrotoluene	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	37	--
	2-Chloronaphthalene	ug/L	19	11%	17	0.297	0.33	0.35	2.6	5.1	13.2	2	2.42	--	2.6	2.6	--	2.83	--	--	2920	0
	2-Chlorophenol	ug/L	19	26%	14	1.69	1.9	1.9	15	38	75.5	5	4.11	9.6	30	30	51	64.4	--	--	180	0
	2-Methylnaphthalene	ug/L	19	11%	17	0.254	0.29	0.3	2.2	4.4	11.3	2	0.628	--	0.64	0.64	--	0.654	--	--	--	--
	2-Nitroaniline	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	110	--
	2-Nitrophenol	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	--	--
	3,3-Dichlorobenzidine	ug/L	19	0%	19	0.847	0.95	0.97	6.7	10	37.7	0	--	--	--	--	--	--	--	--	0.15	--
	3-Nitroaniline	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	--	--
	4-Bromophenyl phenyl ether	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	ug/L	19	16%	16	2.8	3.1	3.3	26	55	125	3	3.45	3.5	3.7	6.5	12	12.2	--	--	--	--
	4-Nitroaniline	ug/L	19	0%	19	2.54	2.9	2.9	20	30	113	0	--	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	290	--
	Acetophenone	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	3650	--
	Aniline	ug/L	19	0%	19	2.12	2.4	2.4	17	25	94.3	0	--	--	--	--	--	--	--	--	12	--
	Benzenethiol	ug/L	19	32%	13	5.89	6.3	6.4	34	65	126	6	8.1	8.4	14	130	350	403	--	--	--	--
	Benzoic acid	ug/L	19	0%	19	5.08	5.7	5.8	40	60	226	0	--	--	--	--	--	--	--	--	146000	--
	Benzyl alcohol	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	18300	--
	bis(2-Chloroethoxy)methane	ug/L	19	0%	19	2.54	2.9	2.9	20	30	113	0	--	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	0.054	--
	bis(2-Chloroisopropyl) ether	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	0.9	--
	bis(2-Ethylhexyl)phthalate	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	6	--	6	--
	bis(p-Chlorophenyl) sulfone	ug/L	19	0%	19	2.8	3.1	3.2	22	33	125	0	--	--	--	--	--	--	--	--	--	--
	bis(p-Chlorophenyl)disulfide	ug/L	17	35%	11	2.95	3.1	3.2	14	32	62.9	6	40.5	66	450	1500	3500	4480	--	--	--	--
	Butylbenzyl phthalate	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	7300	--
	Carbazole	ug/L	19	0%	19	0.169	0.19	0.19	1.3	2	7.55	0	--	--	--	--	--	--	--	--	3.4	--
	Dibenzofuran	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	73	--
	Diethyl phthalate	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	29200	--
	Dimethyl phthalate	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	365000	--
	Di-n-butyl phthalate	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	3650	--
	Di-n-octyl phthalate	ug/L	19	0%	19	2.54	2.9	2.9	20	30	113	0	--	--	--	--	--	--	--	--	--	--
	Diphenyl disulfide	ug/L	19	37%	12	2.95	3.1	3.3	13	25	62.9	7	9.81	64	190	730	600	3930	--	--	--	--
	Diphenyl sulfide	ug/L	19	5%	18	2.8	3.1	3.2	16	32	63.5	1	364	--	360	360	--	364	--	--	--	--
	Diphenyl sulfone	ug/L	19	0%	19	2.8	3.1	3.2	22	33	125	0	--	--	--	--	--	--	--	--	110	--
	Diphenylamine	ug/L	19	0%	19	2.54	2.9	2.9	20	30	113	0	--	--	--	--	--	--	--	--	910	--
	Fluoranthene	ug/L	19	0%	19	0.169	0.19	0.19	1.3	2	7.55	0	--	--	--	--	--	--	--	--	1460	--
	Fluorene	ug/L	19	0%	19	0.169	0.19	0.19	1.3	2	7.55	0	--	--	--	--	--	--	--	--	1460	--
	Hexachlorobenzene	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	1	--	1	--
	Hexachlorobutadiene	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	0.86	--
	Hexachlorocyclopentadiene	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	50	--	50	--
	Hexachloroethane	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	4.8	--
	Hydroxymethyl phthalimide	ug/L	19	0%	19	2.8	3.1	3.2	22	33	125	0	--	--	--	--	--	--	--	--	--	--
	Isophorone	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	71	--
	m,p-Cresols	ug/L	19	0%	19	2.54	2.9	2.9	20	30	113	0	--	--	--	--	--	--	--	--	--	--
	Naphthalene	ug/L	19	21%	15	0.254	0.29	0.3	2.5	5.7	11.3	4	0.315	0.59	1.7	5.8	15	19.6	--	--	4.3	1
	Nitrobenzene	ug/L	19	0%	19	2.54	2.9	2.9	20	30	113	0	--	--	--	--	--	--	--	--	3.7	--
	N-nitrosodi-n-propylamine	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	0.0096	--
	o-Cresol	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	1830	--
	Octachlorostyrene	ug/L	19	0%	19	2.8	3.1	3.2	22	33	125	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2d
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 4TH QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	p-Chloroaniline	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	150	--
	p-Chlorobenzenethiol	ug/L	19	37%	12	2.95	3.1	3.3	18	33	62.9	7	12.1	12	22	300	360	1290	--	--	--	--
	Pentachlorobenzene	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	--	--	29	--
	Pentachlorophenol	ug/L	19	0%	19	1.69	1.9	1.9	13	20	75.5	0	--	--	--	--	--	--	1	--	1	--
	Phenol	ug/L	19	21%	15	0.847	0.95	0.97	7	10	37.7	4	1.33	1.4	1.5	12	32	42.7	--	--	11000	0
	Pyridine	ug/L	19	0%	19	0.847	0.95	0.97	6.7	10	37.7	0	--	--	--	--	--	--	--	--	37	--
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	19	0%	19	0.16	0.16	0.16	6	16	33	0	--	--	--	--	--	--	--	--	2.3	--
	1,1,1-Trichloroethane	ug/L	19	0%	19	0.088	0.088	0.088	3.6	8.8	18	0	--	--	--	--	--	--	200	--	200	--
	1,1,2,2-Tetrachloroethane	ug/L	19	0%	19	0.11	0.11	0.11	4.4	11	23	0	--	--	--	--	--	--	--	--	0.3	--
	1,1,2-Trichloroethane	ug/L	19	32%	13	0.071	0.071	0.071	4.5	7.1	15	6	0.16	0.18	2.2	4.4	9.9	13	5	2	5	2
	1,1,2-Trifluoro-1,2,2-trichloroethane (Freon-113)	ug/L	18	0%	18	0.12	0.12	0.12	4.1	12	24	0	--	--	--	--	--	--	--	--	876000	--
	1,1-Dichloroethane	ug/L	19	79%	4	0.083	2.1	13	11	19	20	15	1.9	6.2	16	21	25	66	--	--	12	9
	1,1-Dichloroethene	ug/L	19	42%	11	0.11	0.11	11	7.9	11	21	8	0.11	0.17	0.36	0.52	0.58	1.8	7	0	7	0
	1,1-Dichloropropene	ug/L	19	0%	19	0.068	0.068	0.068	3	6.8	14	0	--	--	--	--	--	--	--	--	--	--
	1,2,3-Trichlorobenzene	ug/L	19	37%	12	0.16	0.16	7.6	8	16	16	7	0.78	19	55	52	68	140	--	--	--	--
	1,2,3-Trichloropropane	ug/L	19	0%	19	0.23	0.23	0.23	8.5	23	46	0	--	--	--	--	--	--	--	--	0.034	--
	1,2,4-Trichlorobenzene	ug/L	19	68%	6	0.16	0.16	0.16	5.4	16	16	13	0.36	12	48	140	290	530	70	6	70	6
	1,2,4-Trimethylbenzene	ug/L	19	16%	16	0.062	0.062	0.062	3.1	6.2	12	3	0.35	0.35	0.42	4.6	13	13	--	--	51	0
	1,2-Dichlorobenzene	ug/L	19	95%	1	0.11	--	0.11	0.11	--	0.11	18	0.2	15	150	430	870	1800	600	6	600	6
	1,2-Dichloroethane	ug/L	19	79%	4	0.05	1.3	5	5	8.8	10	15	1.4	3	11	17	33	44	5	10	5	10
	1,2-Dichloroethene	ug/L	18	22%	14	0.21	0.21	0.21	9.1	21	41	4	0.21	0.28	0.48	0.54	0.87	1	--	--	--	--
	1,2-Dichloropropane	ug/L	19	37%	12	0.054	0.054	2.7	4.2	5.4	18	7	0.055	0.068	0.11	0.15	0.17	0.4	5	0	5	0
	1,3,5-Trichlorobenzene	ug/L	18	33%	12	0.12	0.12	0.12	6.1	12	24	6	0.22	0.31	0.73	0.66	0.9	1.1	--	--	--	--
	1,3,5-Trimethylbenzene	ug/L	19	11%	17	0.11	0.11	0.11	4.7	11	21	2	0.13	--	0.15	0.15	--	0.16	--	--	590	0
	1,3-Dichlorobenzene	ug/L	18	56%	8	0.081	0.081	8.1	6.3	8.1	18	10	0.18	0.36	9.3	29	70	100	--	--	110	0
	1,3-Dichloropropane	ug/L	19	0%	19	0.053	0.053	0.053	2.6	5.3	16	0	--	--	--	--	--	--	--	--	730	--
	1,4-Dichlorobenzene	ug/L	19	89%	2	0.11	--	0.11	0.11	--	0.11	17	1.4	29	240	740	1500	3400	75	11	75	11
	2,2,3-Trimethylbutane	ug/L	18	0%	18	0.23	0.23	0.23	7.8	23	46	0	--	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	ug/L	19	0%	19	0.1	0.1	0.1	4.2	10	21	0	--	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	ug/L	18	0%	18	0.16	0.16	0.16	5.5	16	33	0	--	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	ug/L	18	17%	15	0.18	0.18	0.18	6.1	18	36	3	0.41	0.41	13	51	140	140	--	--	--	--
	2,4-Dimethylpentane	ug/L	18	0%	18	0.19	0.19	0.19	6.4	19	37	0	--	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	ug/L	19	26%	14	0.11	0.11	0.11	5.7	11	21	5	0.18	0.19	0.46	0.83	1.7	1.8	--	--	730	0
	2-Hexanone	ug/L	18	0%	18	1.3	1.3	1.3	44	130	260	0	--	--	--	--	--	--	--	--	--	--
	2-Methylhexane	ug/L	18	22%	14	0.15	0.15	0.15	6.5	15	30	4	0.4	0.58	1.3	1.2	1.7	1.7	--	--	--	--
	2-Nitropropane	ug/L	18	0%	18	1.1	1.1	1.1	51	110	220	0	--	--	--	--	--	--	--	--	0.0063	--
	3,3-Dimethylpentane	ug/L	18	17%	15	0.2	0.2	0.2	8.2	20	41	3	0.52	0.52	0.59	0.94	1.7	1.7	--	--	--	--
	3-Ethylpentane	ug/L	18	28%	13	0.089	0.089	0.089	3.5	8.9	18	5	0.13	0.52	1	12	30	56	--	--	--	--
	3-Methylhexane	ug/L	18	22%	14	0.17	0.17	0.17	7.4	17	34	4	0.31	0.51	1.2	1	1.4	1.5	--	--	--	--
	4-Chlorotoluene	ug/L	19	26%	14	0.095	0.095	0.095	5.1	9.5	19	5	0.14	0.15	0.37	0.73	1.5	1.6	--	--	--	--
	Acetone	ug/L	18	6%	17	0.42	0.42	0.42	22	42	84	1	4.8	--	4.8	4.8	--	4.8	--	--	32600	0
	Acetonitrile	ug/L	18	0%	18	4.2	4.2	4.2	140	420	830	0	--	--	--	--	--	--	--	--	440	--
	Benzene	ug/L	19	95%	1	0.06	--	0.06	0.06	--	0.06	18	0.17	6.3	1800	17000	28000	81000	5	15	5	15
	Bromobenzene	ug/L	19	16%	16	0.084	0.084	0.084	4.1	8.4	17	3	0.092	0.092	0.47	0.38	0.57	0.57	--	--	490	0
	Bromodichloromethane	ug/L	19	5%	18	0.098	0.098	0.098	4.2	9.8	20	1	0.79	--	0.79	0.79	--	0.79	--	--	1.1	0
	Bromoform	ug/L	19	0%	19	0.15	0.15	0.15	5.9	15	30	0	--	--	--	--	--	--	--	--	8.5	--
	Bromomethane	ug/L	19	16%	16	0.096	0.2	0.72	12	14	96	3	54	54	56	80	130	130	--	--	48	3
	Carbon disulfide	ug/L	18	6%	17	0.52	0.52	0.52	18	52	100	1	1500	--	1500	1500	--	1500	--	--	3520	0
	Carbon tetrachloride	ug/L	19	11%	17	0.073	0.073	1.5	4.4	7.3	15	2	0.13	--	0.17	0.17	--	0.2	5	0	5	0
	Chlorobenzene	ug/L	19	89%	2	0.06	--	0.06	0.06	--	0.06	17	3	980	7500	18000	31000	66000	100	16	100	16
	Chlorobromomethane	ug/L	19	0%	19	0.12	0.12	0.12	4.3	12	24	0	--	--	--	--	--	--	--	--	--	--
	Chloroethane	ug/L	19	47%	10	0.085	0.085	8.5	7.1	11	20	9	0.1	0.22	0.4	0.75	1.4	2.2	--	--	23	0
	Chloroform	ug/L	19	74%	5	0.067	0.067	6.7	7.2	15	16	14	0.21	2.8	34	1900	760	21000	--	--	1.6	11
	Chloromethane	ug/L	19	11%	17	0.086	0.14	0.37	4.4	8.6	20	2	0.29	--	0.61	0.61	--	0.93	--	--	81	0
	cis-1,2-Dichloroethene	ug/L	19	21%	15	0.14	0.14	0.14	6.7	14	27	4	0.21	0.23	0.29	0.41	0.73	0.87	70	0	70	0
	cis-1,3-Dichloropropene	ug/L	19	0%	19	0.099	0.099	0.099	3.8	9.9	20	0	--	--	--	--	--	--	--	--	--	--
	Cymene (Isopropyltoluene)	ug/L	19	0%	19	0.11	0.11	0.11	4.3	11	22	0	--	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	ug/L	19	0%	19	0.21	0.21	0.21	6.7	20	42	0	--	--	--	--	--	--	--	--	0.7	--
	Dibromochloropropane	ug/L	19	0%	19	0.2	0.2	0.2	11	20	48	0	--	--	--	--	--	--	0.2	--	0.2	--
	Dibromomethane	ug/L	19	0%	19	0.095	0.095	0.095	4	9.5	19	0	--	--	--	--	--	--	--	--	370	--
	Dichlorodifluoromethane (Freon-12)	ug/L	19	0%	19	0.058	0.058	0.058	2.6	5.8	13	0	--	--	--	--	--	--	--	--	5840	--
	Dichloromethane	ug/L	19	26%	14	0.1	0.1	0.1	4.9	0.1	48	5	35	52	72	1200	2900	4300	5	5	5	5
	Dimethyldisulfide	ug/L	19	0%	19	0.27	0.27	0.27	10	27	53	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2d
GROUNDWATER SUMMARY OF SAMPLE RESULTS - SHALLOW ZONE - 4TH QUARTER 2009
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 5 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Volatile Organic Compounds	Ethanol	ug/L	18	0%	18	85	85	85	2900	8500	17000	0	--	--	--	--	--	--	--	--	--	--
	Ethylbenzene	ug/L	19	0%	19	0.11	0.11	0.11	4.1	11	21	0	--	--	--	--	--	--	700	--	700	--
	Heptane	ug/L	18	17%	15	0.12	0.12	0.12	4.1	12	24	3	0.17	0.17	0.3	0.27	0.35	0.35	--	--	--	--
	Isopropylbenzene	ug/L	19	11%	17	0.096	0.096	0.096	4.1	9.6	19	2	0.11	--	0.13	0.13	--	0.14	--	--	3440	0
	m,p-Xylenes	ug/L	19	0%	19	0.19	0.19	0.19	7.7	19	38	0	--	--	--	--	--	--	--	--	42600	--
	Methyl ethyl ketone	ug/L	18	6%	17	0.83	0.83	0.83	30	83	170	1	74	--	74	74	--	74	--	--	21300	0
	Methyl iodide	ug/L	18	6%	17	0.091	0.091	0.091	3.3	9.1	18	1	0.88	--	0.88	0.88	--	0.88	--	--	--	--
	Methyl isobutyl ketone	ug/L	18	0%	18	0.32	0.32	0.32	11	32	63	0	--	--	--	--	--	--	--	--	2900	--
	MTBE (Methyl tert-butyl ether)	ug/L	18	0%	18	0.098	0.098	0.098	8.9	9.8	98	0	--	--	--	--	--	--	--	--	35	--
	n-Butylbenzene	ug/L	19	0%	19	0.12	0.12	0.12	4.8	12	23	0	--	--	--	--	--	--	--	--	370	--
	Nonanal	ug/L	18	0%	18	1.2	1.2	72	130	120	1200	0	--	--	--	--	--	--	--	--	--	--
	n-Propylbenzene	ug/L	19	11%	17	0.093	0.093	0.093	4.2	9.3	19	2	0.16	--	0.17	0.17	--	0.18	--	--	370	0
	o-Xylene	ug/L	19	21%	15	0.055	0.055	0.055	3.2	5.5	15	4	0.071	0.074	1.5	1.7	3.7	3.9	--	--	42600	0
	sec-Butylbenzene	ug/L	19	0%	19	0.085	0.085	0.085	3.4	8.5	17	0	--	--	--	--	--	--	--	--	370	--
	Styrene	ug/L	19	0%	19	0.042	0.042	0.042	1.9	4.2	10	0	--	--	--	--	--	--	100	--	100	--
	tert-Butylbenzene	ug/L	19	0%	19	0.11	0.11	0.11	4.1	11	22	0	--	--	--	--	--	--	--	--	370	--
	Tetrachloroethene	ug/L	19	68%	6	0.065	0.065	0.065	4.9	14	16	13	0.13	0.67	5.6	200	16	1600	5	7	5	7
	Toluene	ug/L	19	42%	11	0.07	0.07	0.07	4.9	7	18	8	0.12	0.45	1.6	18	42	68	1000	0	1000	0
	Total Trihalomethanes	ug/L	19	--[b]	--	--	--	--	--	--	--	19	0.26	1.7	26	1440	87	21001	80	6	--	--
	trans-1,2-Dichloroethene	ug/L	19	26%	14	0.081	0.081	0.081	4.6	8.1	16	5	0.11	0.13	0.15	0.16	0.2	0.22	100	0	100	0
	trans-1,3-Dichloropropene	ug/L	19	0%	19	0.23	0.23	0.23	8.2	23	45	0	--	--	--	--	--	--	--	--	--	--
	Trichloroethene	ug/L	19	58%	8	0.091	0.091	9.1	6.8	9.1	18	11	0.28	1.1	9.7	17	14	97	5	8	5	8
	Trichlorofluoromethane (Freon-11)	ug/L	19	0%	19	0.11	0.11	0.11	5.7	11	22	0	--	--	--	--	--	--	--	--	9890	--
	Vinyl acetate	ug/L	18	0%	18	0.23	0.23	0.23	7.8	23	46	0	--	--	--	--	--	--	--	--	16200	--
	Vinyl chloride	ug/L	19	37%	12	0.091	0.091	4.6	6.2	9.1	20	7	0.095	0.24	0.5	0.49	0.71	0.94	2	0	2	0
	Xylenes (total)	ug/L	19	11%	17	0.22	0.22	0.22	11	22	45	2	2.9	--	3.4	3.4	--	3.9	10000	0	10000	0
Water Quality Parameters	Bicarbonate alkalinity	mg/L	19	100%	0	--	--	--	--	--	--	19	87.6	160	260	330	460	756	--	--	--	--
	Carbonate alkalinity	mg/L	19	0%	19	0.31	0.31	0.31	0.39	0.61	0.61	0	--	--	--	--	--	--	--	--	--	--
	Hardness, Total	mg/L	19	100%	0	--	--	--	--	--	--	19	259	1500	2500	3200	3800	13400	--	--	--	--
	Hydroxide alkalinity	mg/L	19	0%	19	0.31	0.31	0.31	0.37	0.31	0.61	0	--	--	--	--	--	--	--	--	--	--
	Total Alkalinity	mg/L	19	100%	0	--	--	--	--	--	--	19	87.6	150	210	300	450	756	--	--	--	--
	Total Dissolved Solids	mg/L	19	100%	0	--	--	--	--	--	--	19	911	5500	12000	13000	18000	46500	500	19	--	--

Notes:

BCL = Basic Comparison Levels (BCLs) from NDEP 2009e.
Max = Maximum
Min = Minimum
Q1 = 1st quartile (25th percentile)
Q3 = 3rd quartile (75th percentile)
Because both non-detect and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the lab detect flag. Lab detect flags are represented by the censored (non-detect) and detect count fields in the table.
Values for Q1, median, mean, and Q3 are rounded to 2 significant figures. BCLs are rounded to 2 significant figures.
a - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the dataset.
b - TCDD TEQ values are calculated from congener-specific concentrations (including PCB congeners). An individual TCDD TEQ value may include detect and non-detect congeners. Total trihalomethanes are calculated from the sum of bromodichloromethane, bromoform, chloroform, and dibromochloromethane. Radium-226/228 are calculated from the sum of radium-226 and radium-228. Therefore, the number of detects and non-detects, and a frequency of detection for TCDD TEQ, radium-226/228, and total trihalomethanes are not presented.
-- = Not applicable or no value has been established.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 24)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1,2-Trifluoro-1,2,2-trichloroethane (Freon-113)	1,1-Dichloroethane	1,1-Dichloroethene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	200	--	5	--	--	7
					BCL	2.3	200	0.3	5	876000	12	7
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 90 U	< 80 U	< 80 U	< 70 U	< 140 U	< 70 U	< 40 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.1 UJ	< 0.1 UJ	< 0.14 UJ	< 0.092 UJ	< 0.056 UJ	88 J	0.56 J
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	91 J-	0.45 J
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	88 J	0.45 J
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 16 U	< 8.8 U	< 11 U	< 7.1 U	< 12 U	66 J	< 11 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 16 U	< 8.8 U	< 11 U	< 7.1 U	< 12 U	66 J	< 11 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.09 U	< 0.08 U	< 0.08 U	< 0.07 U	< 0.14 U	17	< 0.04 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.09 U	< 0.08 U	< 0.08 U	< 0.07 U	< 0.14 U	17	< 0.04 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.1 U	< 0.1 U	< 0.14 U	< 0.092 U	< 0.056 U	21	< 0.045 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	21	< 0.085 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	22	0.13 J
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 U	20 J+	0.13 J+
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	17 J-	< 0.11 UJ
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 U	17	0.11 J
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.09 U	< 0.08 U	< 0.08 U	< 0.07 U	< 0.14 U	4.5	< 0.04 UJ-
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.1 UJ	< 0.1 UJ	< 0.14 UJ	< 0.092 UJ	< 0.056 UJ	6.7 J	< 0.045 UJ
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	7.2 J+	< 0.085 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	6 J	0.12 J
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 U	6.1	< 0.11 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	5.7 J-	< 0.11 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.09 U	< 0.08 U	< 0.08 U	0.67 J	< 0.14 U	7.1	< 0.04 UJ-
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.09 U	< 0.08 U	< 0.08 U	0.65 J	< 0.14 U	7.1	< 0.04 UJ-
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.1 U	< 0.1 U	< 0.14 U	0.52 J	< 0.056 U	4.9	< 0.045 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.1 U	< 0.1 U	< 0.14 U	0.39 J	< 0.056 U	5	< 0.045 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.1 U	< 0.099 U	< 0.27 U	0.36 J+	< 0.072 U	5.7	0.1 J+
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.16 U	< 0.088 U	< 0.11 U	0.42 J	< 0.12 UJ	3.9	< 0.11 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.16 U	< 0.088 U	< 0.11 U	0.36 J	< 0.12 U	4	< 0.11 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.16 U	< 0.088 U	< 0.11 U	0.32 J	< 0.12 U	4.7	< 0.11 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 45 U	< 40 U	< 40 U	< 35 U	< 70 U	170 J	< 20 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.1 UJ	< 0.1 UJ	< 0.14 UJ	25 J	< 0.056 UJ	61 J	1.6 J
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.1 U	< 0.099 U	< 0.27 U	2.3	< 0.072 U	43	1.3
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.1 U	< 0.099 U	< 0.27 U	2.7	< 0.072 U	42	< 85 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	16 J-	< 0.12 UJ	41 J-	0.93 J-
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	20 J	< 0.12 UJ	46 J+	1.2 J-
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 82 U	< 44 U	< 56 U	< 36 U	< 60 U	< 42 U	< 54 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	8.8 J	< 0.12 UJ	14 J	0.38 J
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.16 UJ	< 0.088 U	< 0.11 U	13 J	< 0.12 U	19 J+	0.61 J+
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.09 UJ-	< 0.08 UJ-	< 0.08 UJ-	8.4 J-	< 0.14 UJ-	16 J-	< 0.04 UJ-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.1 UJ	< 0.1 UJ	< 0.14 UJ	< 0.092 UJ	< 0.056 UJ	16 J-	0.74 J-
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.1 UJ	< 0.099 UJ	< 0.27 UJ	< 0.19 UJ	< 0.072 UJ	12 J	0.51 J
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	0.6 J	< 0.12 UJ	7.3 J	< 0.11 UJ
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 8.2 U	< 4.4 U	< 5.6 U	< 3.6 U	< 6 U	6.1 J	< 5.4 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	0.16 J-	< 0.12 UJ	6.2 J-	0.3 J-
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	0.18 J-	< 0.12 UJ	6.5 J-	0.33 J-
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.09 UJ-	< 0.08 UJ-	< 0.08 UJ-	< 0.07 UJ-	< 0.14 UJ-	25 J-	0.62 J-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.1 UJ	< 0.1 UJ	< 0.14 UJ	0.44 J-	< 0.056 UJ	23 J-	1.3 J-
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	10	0.6
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.16 U	< 0.088 U	< 0.11 U	0.22 J+	< 0.12 UJ	8.2 J+	< 0.11 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	8 J-	< 0.11 UJ
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	8.3 J-	0.47 J-
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 0.1 UJ	< 0.099 UJ	< 0.27 UJ	0.27 J	< 0.072 UJ	13 J	1.9 J
Shallow	Down-Gradient	H-21R	POSSM	N	07/16/09	< 14 U	< 15 U	< 15 U	< 15 U	--	< 20 U	< 21 U
Shallow	Down-Gradient	H-21R	POSSM	N	11/13/09	< 14 U	< 15 U	< 15 U	< 15 U	--	< 20 U	< 21 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	17	< 0.85 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 UJ	12 J+	< 0.11 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 1.6 U	< 0.88 U	< 1.1 U	< 0.71 U	< 1.2 U	14	< 1.1 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 1.6 U	< 0.88 U	< 1.1 U	< 0.71 U	< 1.2 U	13	< 1.1 U

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1,2-Trifluoro-1,2,2-trichloroethane (Freon-113)	1,1-Dichloroethane	1,1-Dichloroethene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	200	--	5	--	--	7
					BCL	2.3	200	0.3	5	876000	12	7
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	16 J-	0.12 J-
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 0.1 U	< 0.099 U	< 0.27 U	0.33	< 0.072 U	26	1.4
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	0.66 J	< 0.12 UJ	16 J	1.2 J
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	0.2 J	< 0.12 UJ	21 J	1.5 J
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 U	18	1.8
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	1.8	< 0.085 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 UJ	1.5	< 0.11 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 U	1.7	< 0.11 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 U	1.7	< 0.11 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 U	1.9	< 0.11 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.09 UJ-	< 0.08 UJ-	< 0.08 UJ-	< 70 UJ-	< 0.14 UJ-	< 70 UJ-	0.75 J-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.1 UJ	< 0.1 UJ	< 0.14 UJ	2.8 J	< 0.056 UJ	18 J	0.4 J
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.1 UJ	< 0.099 UJ	< 0.27 UJ	< 0.19 UJ	< 0.072 UJ	30 J	0.62 J
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	20 J	0.42 J
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	3.8 J	< 0.12 UJ	23 J	0.56 J
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 16 UJ	< 8.8 UJ	< 11 UJ	< 7.1 UJ	< 12 UJ	28 J	< 11 UJ
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 16 UJ	< 8.8 UJ	< 11 UJ	< 7.1 UJ	< 12 UJ	25 J-	< 11 UJ
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 22 U	< 20 U	< 20 U	< 18 U	< 35 U	< 18 U	< 10 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.1 U	< 0.1 U	< 0.14 U	4.2 J+	< 0.056 U	52 J	0.3 J+
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.1 U	< 0.099 U	< 0.27 U	2.3 J+	< 0.072 U	58 J	0.3 J+
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.16 U	< 0.088 UJ	< 0.11 UJ	13 J+	< 0.12 UJ	41 J	0.32 J
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 16 U	< 8.8 U	< 11 U	< 7.1 U	< 12 U	49 J	< 11 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 16 U	< 8.8 U	< 11 U	< 7.1 U	< 12 U	51 J	< 11 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 5 U	< 5 U	< 7.2 U	< 4.6 U	< 2.8 U	< 2.3 U	< 2.2 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 16 U	< 8.8 U	< 11 U	< 7.1 U	< 12 U	< 8.3 U	< 11 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.1 UJ	< 0.099 UJ	< 0.27 UJ	1.6 J	< 0.072 UJ	71 J	< 0.85 U
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.16 U	< 0.088 UJ	< 0.11 UJ	4.5 J+	< 0.12 UJ	18 J	< 0.11 UJ
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 16 U	< 8.8 U	< 11 U	< 7.1 U	< 12 U	50 J	< 11 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.16 U	< 0.088 U	< 0.11 UJ	4 J+	< 0.12 U	52 J	< 0.11 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 0.1 U	< 0.099 U	< 0.27 UJ	< 0.19 U	< 0.072 U	7.1	< 0.085 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	6.2 J	< 0.11 UJ
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 16 UJ	< 8.8 UJ	< 11 UJ	< 7.1 UJ	< 12 UJ	< 8.3 UJ	< 11 UJ
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 33 U	< 18 U	< 23 U	< 14 U	< 24 U	< 17 U	< 21 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 U	< 0.083 U	< 0.11 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 1.4 U	< 1.5 U	< 1.5 U	< 1.5 U	--	42	< 2.1 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 5.4 U	< 6 U	< 6 U	< 6 U	--	60	< 8.4 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 110 U	< 120 U	< 120 U	< 120 U	--	< 160 U	< 170 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 110 U	< 120 U	< 120 U	< 120 U	--	< 160 U	< 170 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 16 UJ	< 8.8 UJ	< 11 UJ	< 7.1 UJ	< 12 UJ	12 J-	< 11 UJ
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 0.27 U	< 0.3 U	< 0.3 U	< 0.3 U	--	< 0.4 U	< 0.42 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 0.27 U	< 0.3 U	< 0.3 U	< 0.3 U	--	< 0.4 U	< 0.42 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 0.27 U	< 0.3 U	< 0.3 U	< 0.3 U	--	< 0.4 U	< 0.42 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 0.27 U	< 0.3 U	< 0.3 U	< 0.3 U	--	< 0.4 U	< 0.42 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	70	--	600	5
					BCL	--	--	0.034	70	51	600	5
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 60 U	600 J	< 150 U	540 J	220 J	450 J	< 90 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.078 UJ	1.5 J	< 0.24 UJ	9.4 J	< 0.1 UJ	230 J	73 J
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	0.64 J	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	170 J-	58 J
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	0.47 J	< 0.16 UJ	< 0.23 UJ	< 0.16 UJ	< 0.062 UJ	170	59 J
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 6.8 U	< 16 U	< 23 U	< 16 U	< 6.2 U	150	< 5 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 6.8 U	< 16 U	< 23 U	< 16 U	< 6.2 U	170	43 J
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.06 U	< 0.11 U	13	< 0.06 U	< 0.05 U	12	11
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.06 U	< 0.11 U	14	< 0.06 U	< 0.05 U	13	12
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.078 U	< 0.12 U	< 0.24 U	< 0.091 U	< 0.1 U	17	12
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	14	14
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	15	14
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.068 U	< 0.16 U	< 0.23 U	< 0.16 U	< 0.062 U	21 J+	12 J+
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.068 UJ	< 0.16 UJ	< 0.23 UJ	< 0.16 UJ	< 0.062 UJ	14 J-	10 J-
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.068 U	< 0.16 U	< 0.23 U	0.36 J+	< 0.062 U	17	9.6
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.06 U	< 0.11 U	< 0.15 U	0.38 J	< 0.05 U	2.5	2.8
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.078 UJ	< 0.12 UJ	< 0.24 UJ	0.36 J-	< 0.1 UJ	3.7 J-	3.8 J
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	3.3 J+	2.7 J-
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.068 UJ	4.1 J	< 0.23 UJ	32 J	< 0.062 UJ	41 J	3.7 J
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.068 U	< 0.16 U	< 0.23 U	< 0.16 U	< 0.062 U	3.4	3.2
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.068 UJ	< 0.16 UJ	< 0.23 UJ	< 0.16 UJ	< 0.062 UJ	4.3 J-	3 J-
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.06 U	1.1	< 0.15 U	1.1	< 0.05 U	4.8	2.8
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.06 U	1.1	< 0.15 U	1.1	< 0.05 U	5.1	2.8
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.078 U	1.2	< 0.24 U	0.67 J	< 0.1 U	1.9	< 0.11 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.078 U	1.3	< 0.24 U	0.69 J	< 0.1 U	2	1.5
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.087 U	0.98 J+	< 0.22 U	< 0.79 U	< 0.069 U	1.6	1.2 J-
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.068 U	0.78 J	< 0.23 U	0.47 J	< 0.062 U	0.92 J	1.4
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.068 U	0.52 J	< 0.23 U	0.29 J	< 0.062 U	0.75 J	1.6
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.068 U	0.78 J	< 0.23 U	0.41 J	< 0.062 U	0.95 J	1.8
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 30 U	< 55 U	< 75 U	200 J	< 25 U	300 J	96 J
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.078 UJ	34 J	< 0.24 UJ	230 J	0.21 J	610 J	62 J
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.087 U	6.5	< 0.22 U	54	0.37	1400	22
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.087 U	5.9	< 0.22 U	47	0.35	950	< 180 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.068 UJ	42 J+	< 0.23 UJ	280 J+	0.44 J-	670 J+	27 J-
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.068 UJ	47 J+	< 0.23 UJ	320 J+	0.46 J-	770 J+	26 J-
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 34 U	< 80 U	< 120 U	190 J	< 31 U	1000	< 25 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.068 UJ	55 J	< 0.23 UJ	280 J	0.35 J	1100 J-	11 J
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.068 U	68 J	< 0.23 U	290 J	0.42 J+	1000 J-	12 J+
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.06 UJ-	< 220 UJ-	< 0.15 UJ-	< 120 UJ-	1.1 J-	< 180 UJ-	< 0.09 UJ-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.078 UJ	24 J	< 0.24 UJ	330 J	< 0.1 UJ	640 J	32 J-
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.087 UJ	38 J	< 0.22 UJ	200 J	0.11 J	320	57 J
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.068 UJ	42 J	< 0.23 UJ	160	0.13 J	220	22 J
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 3.4 U	17 J	< 12 U	88	< 3.1 U	170	27 J
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.068 UJ	19 J	< 0.23 UJ	170 J	< 0.062 UJ	170	33 J-
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.068 UJ	21 J	< 0.23 UJ	180 J	< 0.062 UJ	210	33 J-
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.06 UJ-	6.1 J-	< 0.15 UJ-	100 J-	< 0.05 UJ-	340 J-	5.9 J-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.078 UJ	12 J-	< 0.24 UJ	69	< 0.1 UJ	91	5.6 J-
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.087 U	7.5	< 0.22 U	37	< 0.069 U	61	2.5
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.068 U	9 J+	< 0.23 U	41 J+	< 0.062 U	76	1.8 J+
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.068 UJ	6.1 J-	< 0.23 UJ	28 J-	< 0.062 UJ	47 J	2.3 J-
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.068 UJ	< 16 U	< 0.23 UJ	23 J	< 0.062 UJ	70 J	2 J-
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 0.087 UJ	28 J	< 0.22 UJ	130 J	< 0.069 UJ	53 J	37 J
Shallow	Down-Gradient	H-21R	POSSM	N	07/16/09	< 14 U	< 15 U	< 20 U	< 24 U	< 12 U	< 16 U	< 14 U
Shallow	Down-Gradient	H-21R	POSSM	N	11/13/09	< 14 U	< 15 U	< 20 U	48	< 12 U	38	14
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.087 U	2.3	< 0.22 U	8	< 0.069 U	16	10
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.068 U	0.4 J+	< 0.23 U	1.5 J+	< 0.062 U	8.4 J+	5.7 J+
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 0.68 U	< 1.6 U	< 2.3 U	< 1.6 U	< 0.62 U	7.6 J	8.5 J
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 0.68 U	< 1.6 U	< 2.3 U	< 1.6 U	< 0.62 U	7.2 J	7.7 J

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	70	--	600	5
					BCL	--	--	0.034	70	51	600	5
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.068 UJ	< 0.16 UJ	< 0.23 UJ	< 0.16 UJ	< 0.062 UJ	7.7 J-	8.7 J-
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 0.087 U	14	< 0.22 U	66	< 0.069 U	1300	6.5
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.068 UJ	23 J	< 0.23 UJ	64	< 0.062 UJ	1200	3.1 J
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.068 UJ	7.9 J	< 0.23 UJ	46 J	< 0.062 UJ	1100	4.1 J
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.068 U	< 16 U	< 0.23 U	31 J	< 0.062 U	820	3.1
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	< 0.16 U	< 0.18 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.068 U	< 0.16 U	< 0.23 U	0.24 J	< 0.062 U	0.37 J	1
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.068 U	< 0.16 U	< 0.23 U	< 0.16 U	< 0.062 U	< 0.11 U	1.4
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.068 U	< 0.16 U	< 0.23 U	< 0.16 U	< 0.062 U	< 0.11 U	1.3
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.068 U	< 0.16 U	< 0.23 U	< 0.16 U	< 0.062 U	< 0.11 U	1.4
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.06 UJ-	< 110 UJ-	< 0.15 UJ-	550 J-	0.65 J-	940 J	< 0.09 UJ-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.078 UJ	44 J	< 0.24 UJ	560 J	0.37 J	1200	12 J
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	5.1 J	72 J	< 0.22 UJ	530 J	0.39 J	1800 J-	< 0.18 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.068 UJ	3.6 J	< 0.23 UJ	460 J-	< 0.062 UJ	2000 J-	14 J
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.068 UJ	2 J	< 0.23 UJ	37 J	< 0.062 UJ	2200 J-	12 J
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 6.8 UJ	65 J	< 23 UJ	590 J	< 6.2 UJ	1900 J	< 5 UJ
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 6.8 UJ	61 J-	< 23 UJ	530 J-	< 6.2 UJ	1800 J-	< 5 UJ
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 15 U	< 28 U	< 38 U	< 15 U	< 12 U	55 J	< 22 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.078 U	< 0.12 U	< 0.24 U	2.6 J+	< 0.1 U	140 J	53 J
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.087 U	5.9 J+	< 0.22 U	37 J+	< 0.069 U	120 J	34 J-
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	1.1 J	1.4 J	< 0.23 UJ	8.6 J	< 0.062 UJ	110	50 J
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 6.8 U	< 16 U	< 23 U	< 16 U	< 6.2 U	82 J	40 J
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 6.8 U	< 16 U	< 23 U	35 J	< 6.2 U	130	39 J
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 3.9 U	< 6.1 U	< 12 U	34 J	< 5 U	35 J	< 5.3 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 6.8 U	< 16 U	< 23 U	< 16 U	< 6.2 U	19 J	< 5 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.087 UJ	1.3 J	< 0.22 UJ	5.6 J	< 0.069 UJ	230 J	91 J
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.068 UJ	2.3 J	< 0.23 UJ	12 J	< 0.062 UJ	360	34 J
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 6.8 U	< 16 U	< 23 U	23 J	< 6.2 U	620	45 J
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.068 U	< 0.16 UJ	< 0.23 UJ	1.1 J	13 J	670	44 J
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 0.087 U	13 J	< 0.22 UJ	120 J	< 0.069 UJ	1600	55 J
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.068 UJ	8.1 J	< 0.23 UJ	< 160 U	< 0.062 UJ	2100	< 50 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 6.8 UJ	22 J-	< 23 UJ	140 J-	< 6.2 UJ	1100 J-	< 5 UJ
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 14 U	140 J+	< 46 U	290 J-	< 12 U	1500 J-	< 10 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.068 U	< 0.16 U	< 0.23 U	< 0.16 U	< 0.062 U	0.2 J	< 0.05 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 1.4 U	< 1.5 U	< 2 U	< 2.4 U	< 1.2 U	58	17
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 5.6 U	< 6 U	< 8 U	< 9.6 U	< 4.6 U	61	13
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 110 U	< 120 U	< 160 U	< 190 U	< 92 U	1600	< 110 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 110 U	< 120 U	< 160 U	< 190 U	< 92 U	< 130 U	< 110 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 6.8 UJ	< 16 UJ	< 23 UJ	25 J-	< 6.2 UJ	5200 J	< 5 UJ
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 0.28 U	< 0.3 U	< 0.4 U	< 0.48 U	< 0.23 U	9.2	< 0.28 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 0.28 U	< 0.3 U	< 0.4 U	< 0.48 U	0.29	8.2	< 0.28 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 0.28 U	< 0.3 U	< 0.4 U	< 0.48 U	< 0.23 U	< 0.32 U	< 0.28 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 0.28 U	< 0.3 U	< 0.4 U	< 0.48 U	< 0.23 U	11	< 0.28 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	1,2-Dichloroethene	1,2-Dichloropropane	1,3,5-Trichlorobenzene	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	5	--	--	--	--	75
					BCL	--	5	--	590	110	730	75
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	--	< 100 U	< 50 U	180 J	340 J	< 60 U	620 J
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.1 UJ	< 0.077 UJ	< 0.17 UJ	< 0.1 UJ	6.9 J	< 0.052 UJ	470 J
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.14 U	0.2 J	< 0.13 U	< 0.058 U	7.6	< 0.12 U	330 J-
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.21 UJ	0.17 J	< 0.12 UJ	< 0.11 UJ	8.8 J	< 0.053 UJ	330
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 21 U	< 5.4 U	25 J	< 11 U	< 8.1 U	< 5.3 U	300
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 21 U	< 5.4 U	< 12 U	< 11 U	< 8.1 U	< 5.3 U	310
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	--	< 0.1 U	< 0.05 U	< 0.06 U	0.29 J	< 0.06 U	11
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	--	< 0.1 U	< 0.05 U	< 0.06 U	0.32 J	< 0.06 U	13
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.1 U	< 0.077 U	< 0.17 U	< 0.1 U	0.43 J	< 0.052 U	16
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	< 0.046 U	< 0.12 U	13
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	< 0.046 U	< 0.12 U	13
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.21 U	0.074 J+	< 0.12 U	< 0.11 U	0.64 J+	< 0.053 U	20 J+
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.21 UJ	< 0.054 UJ	< 0.12 UJ	< 0.11 UJ	< 0.081 UJ	< 0.053 UJ	14 J-
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.21 U	0.055 J	< 0.12 U	< 0.11 U	0.42 J	< 0.053 U	16
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	--	< 0.1 U	< 0.05 U	< 0.06 U	0.19 J	< 0.06 U	4
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.1 UJ	< 0.077 UJ	< 0.17 UJ	< 0.1 UJ	0.16 J-	< 0.052 UJ	4.8 J-
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	< 0.046 U	< 0.12 U	4.2 J+
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.21 UJ	< 0.054 UJ	< 0.12 UJ	< 0.11 UJ	3.1 J	< 0.053 UJ	41 J
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	< 0.081 U	< 0.053 U	5
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.21 UJ	< 0.054 UJ	< 0.12 UJ	< 0.11 UJ	0.19 J-	< 0.053 UJ	5.4 J-
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	--	< 0.1 U	< 0.05 U	< 0.06 U	0.27 J	< 0.06 U	7.2
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	--	< 0.1 U	< 0.05 U	< 0.06 U	0.29 J	< 0.06 U	7.6
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.1 U	< 0.077 U	< 0.17 U	< 0.1 U	0.22 J	< 0.052 U	2.5
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.1 U	< 0.077 U	< 0.17 U	< 0.1 U	0.23 J	< 0.052 U	2.6
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	0.21 J+	< 0.12 U	1.7
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	0.21 J	< 0.053 U	1.4
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	0.2 J	< 0.053 U	0.8 J
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	0.18 J	< 0.053 U	1.4
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	--	< 50 U	< 25 U	< 30 U	< 20 U	< 30 U	410 J
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.1 UJ	< 0.077 UJ	0.77 J	< 0.1 UJ	36 J	< 0.052 UJ	1000
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.14 U	< 0.077 U	0.58	0.15	54	< 0.12 U	2700
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.14 U	< 0.077 U	0.56	0.14	54	< 0.12 U	2000
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.21 UJ	< 0.054 UJ	1.8 J-	0.17 J-	37 J+	< 0.053 UJ	1200 J+
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.21 UJ	< 0.054 UJ	1.8 J-	0.17 J-	44 J+	< 0.053 UJ	1300 J+
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 100 U	< 27 U	< 61 U	< 53 U	77 J	< 26 U	2300
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.21 UJ	< 0.054 UJ	0.83 J	0.13 J	77 J	< 0.053 UJ	1900 J-
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.21 U	0.17 J+	1.1 J+	0.16 J+	--	< 0.053 UJ	1800 J-
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	--	< 0.1 UJ-	1.1 J-	0.44 J-	< 80 UJ-	< 0.06 UJ-	< 0.09 UJ-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	0.65 J-	< 0.077 UJ	0.51 J	< 0.1 UJ	21 J	< 0.052 UJ	950 J
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	0.58 J	< 0.077 UJ	1.5 J	< 0.058 UJ	18 J	< 0.12 UJ	450
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	0.34 J	0.094 J	1.6 J	< 0.11 UJ	20 J	< 0.053 UJ	320
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 10 U	< 2.7 U	< 6.1 U	< 5.3 U	15 J	< 2.6 U	280
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	0.47 J-	0.11 J-	0.67 J	< 0.11 UJ	9 J	< 0.053 UJ	240
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	0.49 J-	0.11 J-	0.78 J	< 0.11 UJ	9.6 J	< 0.053 UJ	270
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	--	0.37 J-	< 0.05 UJ-	< 0.06 UJ-	14 J-	< 0.06 UJ-	490 J-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.1 UJ	0.49 J-	0.38 J-	< 0.1 UJ	3.4 J-	< 0.052 UJ	150 J
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	0.2	< 0.077 U	0.45	< 0.058 U	3.2	< 0.12 U	86
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.21 U	< 0.054 U	0.38 J+	< 0.11 U	3.9 J+	< 0.053 U	120
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.21 UJ	< 0.054 UJ	< 0.12 UJ	< 0.11 UJ	2.7 J-	< 0.053 UJ	73
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	0.21 J-	< 0.054 UJ	0.22 J-	< 0.11 UJ	2.9 J-	< 0.053 UJ	98 J
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	2.2 J	< 0.077 UJ	1.2 J	< 0.058 UJ	4.3 J	< 0.12 UJ	97 J
Shallow	Down-Gradient	H-21R	POSSM	N	07/16/09	--	< 18 U	--	< 13 U	< 18 U	< 16 U	100
Shallow	Down-Gradient	H-21R	POSSM	N	11/13/09	--	< 18 U	--	< 13 U	< 18 U	< 16 U	68
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	0.81	< 0.12 U	21
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	< 0.081 U	< 0.053 U	9.1 J+
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 2.1 U	< 0.54 U	< 1.2 U	< 1.1 U	< 0.81 U	< 0.53 U	8.7 J
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 2.1 U	< 0.54 U	< 1.2 U	< 1.1 U	< 0.81 U	< 0.53 U	7.1 J

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	1,2-Dichloroethene	1,2-Dichloropropane	1,3,5-Trichlorobenzene	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	5	--	--	--	--	75
					BCL	--	5	--	590	110	730	75
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.21 UJ	0.068 J-	< 0.12 UJ	< 0.11 UJ	< 0.081 UJ	< 0.053 UJ	9.4 J-
Shallow	Down-Gradient	H-43	55a	N	01/27/09	1.2	0.5	0.52	< 0.058 U	22	< 0.12 U	1800
Shallow	Down-Gradient	H-43	55b	N	04/21/09	0.88 J	0.44 J	0.74 J	< 0.11 UJ	34 J	< 0.053 UJ	1500
Shallow	Down-Gradient	H-43	55c	N	07/30/09	1.1 J	0.4 J	0.28 J	< 0.11 UJ	13 J	< 0.053 UJ	1800
Shallow	Down-Gradient	H-43	55d	N	10/23/09	1 J	0.4 J	0.34 J	< 0.11 U	21	< 0.053 U	1100
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	< 0.046 U	< 0.12 U	< 0.1 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	< 0.081 U	< 0.053 U	0.51 J
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	< 0.081 U	< 0.053 U	< 0.11 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	< 0.081 U	< 0.053 U	< 0.11 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	< 0.081 U	< 0.053 U	< 0.11 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	--	< 0.1 UJ-	4.1 J-	0.41 J-	< 40 UJ-	< 0.06 UJ-	< 90 UJ-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	0.13 J	< 0.077 UJ	1.6 J	< 0.1 UJ	89 J	< 0.052 UJ	2400
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.14 UJ	< 0.077 UJ	2.9 J	< 0.058 UJ	89 J-	< 0.12 UJ	3700 J-
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.21 UJ	< 0.054 UJ	0.77 J	< 0.11 UJ	120 J-	< 0.053 UJ	3500 J-
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.21 UJ	< 0.054 UJ	< 0.12 UJ	< 0.11 UJ	130 J-	< 0.053 UJ	3900 J-
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 21 UJ	< 5.4 UJ	< 12 UJ	< 11 UJ	96 J	< 5.3 UJ	3800 J
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 21 UJ	< 5.4 UJ	< 12 UJ	< 11 UJ	< 8.1 UJ	< 5.3 UJ	3400 J-
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	--	< 25 U	< 12 U	< 15 U	< 10 U	< 15 U	< 22 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.1 U	< 0.077 U	< 0.17 U	< 0.1 U	5.8 J+	< 0.052 U	160 J+
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.14 U	0.28 J+	0.13 J+	< 0.058 U	7.4 J+	< 0.12 U	140 J
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.21 UJ	0.26 J	< 0.12 UJ	< 0.11 UJ	8.1 J	< 0.053 U	130
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 21 U	< 5.4 U	< 12 U	< 11 U	< 8.1 U	< 5.3 U	92 J
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 21 U	< 5.4 U	< 12 U	< 11 U	< 8.1 U	< 5.3 U	160
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 5 U	< 3.8 U	< 8.7 U	< 5 U	< 5 U	< 2.6 U	60
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 21 U	< 5.4 U	< 12 U	< 11 U	< 8.1 U	< 5.3 U	41 J
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	0.4 J	0.22 J	< 0.13 UJ	< 0.058 UJ	24 J	< 0.12 UJ	220 J
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.21 UJ	0.096 J	< 0.12 UJ	< 0.11 UJ	25 J	< 0.053 U	440
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 21 U	< 5.4 U	< 12 U	< 11 U	33 J	< 5.3 U	1100
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.21 U	0.13 J+	< 0.12 UJ	< 0.11 UJ	67 J	< 0.053 U	840
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 0.14 U	< 0.077 U	1.3 J	0.12 J	44 J	< 0.12 U	2500
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.21 UJ	< 0.054 UJ	1.4 J	0.35 J	< 81 U	< 0.053 UJ	1200
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 21 UJ	< 5.4 UJ	< 12 UJ	< 11 UJ	53 J-	< 5.3 UJ	2200 J-
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 41 U	< 11 U	< 24 U	< 21 U	100 J	< 11 U	2300 J-
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	< 0.081 U	< 0.053 U	< 0.11 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	< 1.8 U	--	< 1.3 U	2.6	< 1.6 U	77
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	< 7 U	--	< 5.2 U	< 7 U	< 6.4 U	87
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	< 140 U	--	< 100 U	< 140 U	< 130 U	2800
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	< 140 U	--	< 100 U	< 140 U	< 130 U	< 150 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 21 UJ	< 5.4 UJ	< 12 UJ	< 11 UJ	< 8.1 UJ	< 5.3 UJ	12000 J
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	< 0.35 U	--	< 0.26 U	0.53	< 0.32 U	11
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	< 0.35 U	--	< 0.26 U	0.51	< 0.32 U	10
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	< 0.35 U	--	< 0.26 U	< 0.35 U	< 0.32 U	< 0.37 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	< 0.35 U	--	< 0.26 U	0.62	< 0.32 U	13

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chlorotoluene	2-Hexanone
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--	--
					BCL	--	--	--	--	--	730	--
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	--	< 50 U	--	--	--	< 60 U	< 200 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.4 UJ	< 0.039 UJ	< 0.1 UJ	< 0.11 UJ	< 0.1 UJ	0.47 J	< 1 UJ
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	0.66 J	< 0.08 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	0.55 J	< 1.3 UJ
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 23 U	< 10 UJ	< 16 U	< 18 U	< 19 U	< 11 U	< 130 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 23 U	< 10 U	< 16 U	< 18 U	< 19 U	< 11 U	< 130 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	--	< 0.05 U	--	--	--	< 0.06 U	< 0.2 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	--	< 0.05 U	--	--	--	< 0.06 U	< 0.2 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.4 U	< 0.039 U	< 0.1 U	< 0.11 U	< 0.1 U	< 0.053 U	< 1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	< 0.068 U	< 0.08 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	0.088 J	< 0.08 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	< 0.11 UJ	< 1.3 UJ
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	--	< 0.05 U	--	--	--	< 0.06 U	< 0.2 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.4 UJ	< 0.039 UJ	< 0.1 UJ	< 0.11 UJ	< 0.1 UJ	< 0.053 UJ	< 1 UJ
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.16 U	< 0.084 UJ	< 0.093 U	< 0.11 U	< 0.14 U	< 0.068 U	< 0.08 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	< 0.11 UJ	< 1.3 UJ
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.23 U	< 0.1 UJ	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	< 0.11 UJ	< 1.3 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	--	< 0.05 U	--	--	--	< 0.06 U	< 0.2 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	--	< 0.05 U	--	--	--	< 0.06 U	< 0.2 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.4 U	< 0.039 U	< 0.1 U	< 0.11 U	< 0.1 U	< 0.053 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.4 U	< 0.039 U	< 0.1 U	< 0.11 U	< 0.1 U	< 0.053 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	< 0.068 U	< 0.08 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.23 U	< 0.1 UJ	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	--	< 25 U	--	--	--	< 30 U	< 100 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.4 UJ	< 0.039 UJ	< 0.1 UJ	< 0.11 UJ	< 0.1 UJ	1.5 J	< 1 UJ
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	1.7	< 0.08 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	1.6	< 0.08 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	2.9 J-	< 1.3 UJ
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	3.2 J-	< 1.3 UJ
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 120 U	< 52 UJ	< 82 U	< 90 U	< 93 U	< 53 U	< 640 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	1.5 J	< 1.3 UJ
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	1.8 J+	< 1.3 UJ
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	--	< 0.05 UJ-	--	--	--	4.3 J-	< 0.2 UJ-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.4 UJ	< 0.039 UJ	< 0.1 UJ	4.2 J-	< 0.1 UJ	0.49 J	< 1 UJ
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.16 UJ	< 0.084 UJ	< 0.093 UJ	< 0.11 UJ	< 0.14 UJ	0.46 J	< 0.08 UJ
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	0.54 J	< 1.3 UJ
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 12 U	< 5.2 UJ	< 8.2 U	< 9 U	< 9.3 U	< 5.3 U	< 64 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.23 UJ	R	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	0.18 J	< 1.3 UJ
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.23 UJ	R	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	0.19 J	< 1.3 UJ
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	--	< 0.05 UJ-	--	--	--	< 0.06 UJ-	< 0.2 UJ-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.4 UJ	< 0.039 UJ	< 0.1 UJ	< 0.11 UJ	< 0.1 UJ	< 0.053 UJ	< 1 UJ
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.16 U	< 0.084 U	< 0.093 U	0.61	< 0.14 U	< 0.068 U	< 0.08 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.23 U	< 0.1 U	< 0.16 U	0.39 J+	< 0.19 U	< 0.11 U	< 1.3 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	< 0.11 UJ	< 1.3 UJ
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	0.41 J-	< 0.19 UJ	< 0.11 UJ	< 1.3 UJ
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 0.16 UJ	< 0.084 UJ	< 0.093 UJ	11 J	< 0.14 UJ	0.16 J	< 0.08 UJ
Shallow	Down-Gradient	H-21R	POSSM	N	07/16/09	--	< 17 U	--	--	--	< 14 U	--
Shallow	Down-Gradient	H-21R	POSSM	N	11/13/09	--	< 17 U	--	--	--	< 14 U	--
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	< 0.068 U	< 0.08 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 2.3 U	< 1 UJ	< 1.6 U	< 1.8 U	< 1.9 U	< 1.1 U	< 13 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 2.3 U	< 1 UJ	< 1.6 U	< 1.8 U	< 1.9 U	< 1.1 U	< 13 U

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chlorotoluene	2-Hexanone
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--	--
					BCL	--	--	--	--	--	730	--
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.23 UJ	R	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	< 0.11 UJ	< 1.3 UJ
Shallow	Down-Gradient	H-43	55a	N	01/27/09	0.18	< 0.084 U	< 0.093 U	19	< 0.14 U	0.68	< 0.08 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	8.9 J	< 0.19 UJ	1.1 J	< 1.3 UJ
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	12 J	< 0.19 UJ	0.35 J	< 1.3 UJ
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.23 U	< 0.1 UJ	< 0.16 U	13	< 0.19 U	0.46 J	< 1.3 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	< 0.068 U	< 0.08 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.23 U	< 0.1 UJ	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.23 U	< 0.1 UJ	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	--	< 0.05 UJ-	--	--	--	6.5 J-	< 0.2 UJ-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.4 UJ	< 0.039 UJ	< 0.1 UJ	2.8 J	< 0.1 UJ	3.9 J	< 1 UJ
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.16 UJ	< 8.4 UJ	< 0.093 UJ	< 0.11 UJ	< 0.14 UJ	3.2 J	< 0.08 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	9.8 J	< 1.3 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	12 J	< 1.3 UJ
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 23 UJ	< 10 UJ	< 16 UJ	< 18 UJ	< 19 UJ	< 11 UJ	< 130 UJ
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 23 UJ	< 10 UJ	< 16 UJ	< 18 UJ	< 19 UJ	< 11 UJ	< 130 UJ
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	--	< 12 U	--	--	--	< 15 U	< 50 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.4 U	< 0.039 U	< 0.1 U	< 0.11 U	< 0.1 U	0.41 J+	< 1 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.16 U	< 8.4 U	< 0.093 U	< 0.11 U	< 0.14 U	0.5 J+	< 0.08 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	0.49 J	< 1.3 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 23 U	< 10 UJ	< 16 U	< 18 U	< 19 U	< 11 U	< 130 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 23 U	< 10 U	< 16 U	< 18 U	< 19 U	< 11 U	< 130 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 20 U	< 2 U	< 5 U	21 J	< 5 U	< 2.6 U	< 52 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 23 U	< 10 U	< 16 U	140	< 19 U	< 11 U	< 130 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.16 UJ	< 0.084 UJ	< 0.093 UJ	< 0.11 UJ	< 0.14 UJ	0.78 J	< 0.08 UJ
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	0.49 J	1.6 J+
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 23 U	< 10 UJ	< 16 U	< 18 U	< 19 U	< 11 U	< 130 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 UJ	< 1.3 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	2 J	< 0.08 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	4.2 J	< 1.3 UJ
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 23 UJ	< 10 UJ	< 16 UJ	< 18 UJ	< 19 UJ	< 11 UJ	< 130 UJ
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 46 U	< 21 U	< 33 U	< 36 U	< 37 U	< 21 U	< 260 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	< 1.7 U	--	--	--	< 1.4 U	--
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	< 6.8 U	--	--	--	< 5.6 U	--
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	< 140 U	--	--	--	< 110 U	--
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	< 140 U	--	--	--	< 110 U	--
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 23 UJ	< 10 UJ	< 16 UJ	< 18 UJ	< 19 UJ	15 J-	< 130 UJ
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	< 0.34 U	--	--	--	< 0.28 U	--
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	< 0.34 U	--	--	--	< 0.28 U	--
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	< 0.34 U	--	--	--	< 0.28 U	--
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	< 0.34 U	--	--	--	< 0.28 U	--

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 9 of 24)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	2-Methylhexane	2-Nitropropane	3,3-Dimethylpentane	3-Ethylpentane	3-Methylhexane	4-Chlorotoluene	Acetone
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--	--
					BCL	--	0.0063	--	--	--	--	32600
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	--	--	--	--	--	< 80 U	< 210 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.13 UJ	< 0.73 UJ	< 0.1 UJ	< 0.1 UJ	< 0.066 UJ	0.26 J	810 J
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	0.4 J	< 0.56 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.15 UJ	< 1.1 UJ	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	0.43 J	0.87 J
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 15 U	< 110 U	< 20 U	< 8.9 U	< 17 U	< 9.5 U	< 42 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 15 U	< 110 U	< 20 U	< 8.9 U	< 17 U	< 9.5 U	< 42 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	--	--	--	--	--	< 0.08 U	< 0.21 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	--	--	--	--	--	< 0.08 U	< 0.21 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.13 U	< 0.73 U	< 0.1 U	< 0.1 U	< 0.066 U	< 0.049 U	< 40 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	< 0.068 U	< 0.56 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	< 0.068 U	< 0.56 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.15 U	< 1.1 U	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	0.46 J
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.15 UJ	< 1.1 UJ	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	< 0.095 UJ	< 0.42 UJ
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.15 U	< 1.1 U	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	< 42 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	--	--	--	--	--	< 0.08 U	< 0.21 UJ
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.13 UJ	< 0.73 UJ	< 0.1 UJ	< 0.1 UJ	< 0.066 UJ	< 0.049 UJ	< 0.8 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	< 0.068 U	< 0.56 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.15 UJ	< 1.1 UJ	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	< 0.095 UJ	0.62 J
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.15 U	< 1.1 U	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	< 0.42 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.15 UJ	< 1.1 UJ	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	< 0.095 UJ	< 0.42 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	--	--	--	--	--	< 0.08 U	< 0.21 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	--	--	--	--	--	< 0.08 U	< 0.21 UJ
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.13 U	< 0.73 U	< 0.1 U	< 0.1 U	< 0.066 U	< 0.049 U	< 0.8 UJ
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.13 U	< 0.73 U	< 0.1 U	< 0.1 U	< 0.066 U	< 0.049 U	< 0.8 UJ
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	< 0.068 U	< 0.56 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.15 U	< 1.1 UJ	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	< 0.42 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.15 U	< 1.1 U	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	< 0.42 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.15 U	< 1.1 U	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	< 0.42 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	--	--	--	--	--	< 40 U	< 100 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.13 UJ	< 0.73 UJ	< 0.1 UJ	< 0.1 UJ	< 0.066 UJ	1.2 J	9 J
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	1.5	< 0.56 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	1.5	< 0.56 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.15 UJ	< 1.1 UJ	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	2.5 J-	1.7 J-
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.15 UJ	< 1.1 UJ	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	2.6 J-	2.4 J-
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 76 U	< 550 U	< 100 U	< 44 U	< 84 U	< 48 U	< 210 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.15 UJ	< 1.1 UJ	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	1.4 J	< 0.42 UJ
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.15 U	< 1.1 UJ	< 0.2 U	< 0.089 U	< 0.17 U	1.6 J+	< 0.42 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	--	--	--	--	--	3.2 J-	< 0.21 UJ-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	1.4 J-	< 0.73 UJ	< 0.1 UJ	< 0.1 UJ	0.71 J-	0.34 J	< 0.8 UJ
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	2.3 J	< 0.034 UJ	0.84 J	1.3 J	1.8 J	0.39 J	< 0.56 UJ
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	1.1 J	< 1.1 UJ	0.44 J	0.64 J	0.93 J	0.44 J	< 0.42 UJ
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 7.6 U	< 55 U	< 10 U	< 4.4 U	< 8.4 U	< 4.8 U	< 21 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	1.5 J-	< 110 U	0.52 J-	0.9 J-	1.1 J-	0.14 J	< 0.42 UJ
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	1.7 J-	< 110 U	0.59 J-	1 J-	1.2 J-	0.16 J	< 0.42 UJ
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	--	--	--	--	--	< 0.08 UJ-	< 0.21 UJ-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.13 UJ	< 0.73 UJ	< 0.1 UJ	< 0.1 UJ	< 0.066 UJ	< 0.049 UJ	< 0.8 UJ
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	0.41	< 0.034 U	< 0.17 U	0.15	0.39	< 0.068 U	< 0.56 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.15 U	< 1.1 UJ	< 0.2 U	0.11 J+	0.29 J+	< 0.095 U	--
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.15 UJ	< 1.1 UJ	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	< 0.095 UJ	< 0.42 UJ
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	0.4 J-	< 1.1 UJ	< 0.2 UJ	0.13 J-	0.31 J-	< 0.095 UJ	< 42 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	1.3 J	< 0.034 UJ	1.2 J	1.7 J	17 J	0.17 J	3.7 J
Shallow	Down-Gradient	H-21R	POSSM	N	07/16/09	--	--	--	--	--	< 14 U	--
Shallow	Down-Gradient	H-21R	POSSM	N	11/13/09	--	--	--	--	--	< 14 U	--
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	< 0.068 U	< 0.56 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.15 U	< 1.1 UJ	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	--
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 1.5 U	< 11 U	< 2 U	< 0.89 U	< 1.7 U	< 0.95 U	< 4.2 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 1.5 U	< 11 U	< 2 U	< 0.89 U	< 1.7 U	< 0.95 U	< 4.2 U

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	2-Methylhexane	2-Nitropropane	3,3-Dimethylpentane	3-Ethylpentane	3-Methylhexane	4-Chlorotoluene	Acetone
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--	--
					BCL	--	0.0063	--	--	--	--	32600
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.15 UJ	< 22 U	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	< 0.095 UJ	< 0.42 UJ
Shallow	Down-Gradient	H-43	55a	N	01/27/09	1.5	< 0.034 U	2.5	5.1	2.2	0.55	< 0.56 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	0.79 J	< 1.1 UJ	1.1 J	2.2 J	1.1 J	0.86 J	< 0.42 UJ
Shallow	Down-Gradient	H-43	55c	N	07/30/09	1.2 J	< 1.1 UJ	1.7 J	3.7 J	< 0.17 UJ	0.28 J	< 0.42 UJ
Shallow	Down-Gradient	H-43	55d	N	10/23/09	1.1	< 1.1 U	1.7	3.5 J	1.5 J	0.37 J	< 42 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	< 0.068 U	< 0.56 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.15 U	< 1.1 UJ	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	< 0.42 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.15 U	< 1.1 U	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	< 0.42 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.15 U	< 1.1 U	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	< 0.42 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.15 U	< 1.1 U	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	< 0.42 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	--	--	--	--	--	5.1 J-	< 0.21 UJ-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	3.3 J	< 0.73 UJ	< 0.1 UJ	< 0.1 UJ	< 0.066 UJ	2.8 J	1.1 J
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.12 UJ	< 0.034 UJ	< 0.17 UJ	< 0.13 UJ	< 0.1 UJ	2.6 J	< 56 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	7.6 J	< 1.1 UJ	0.78 J	< 0.089 UJ	6.7 J	9.1 J	0.82 J
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	9.9 J	< 1.1 UJ	1.1 J	< 0.089 UJ	6.3 J	11 J	0.83 J
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 15 UJ	< 110 UJ	< 20 UJ	< 8.9 UJ	< 17 UJ	< 9.5 UJ	< 42 UJ
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 15 UJ	< 110 UJ	< 20 UJ	< 8.9 UJ	< 17 UJ	< 9.5 UJ	< 42 UJ
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	--	--	--	--	--	< 20 U	< 52 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.13 U	< 0.73 U	< 0.1 U	< 0.1 U	< 0.066 U	0.15 J+	< 80 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	0.23 J+	< 56 UJ
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.15 UJ	< 1.1 U	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	0.24 J	27 J
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 15 U	< 110 U	< 20 U	< 8.9 U	< 17 U	< 9.5 U	< 42 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 15 U	< 110 U	< 20 U	< 8.9 U	< 17 U	< 9.5 U	< 42 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	--	< 0.73 U	< 5 U	< 5 U	< 3.3 U	< 2.4 U	< 40 UJ
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 15 U	< 110 U	< 20 U	56 J	< 17 U	< 9.5 U	< 42 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.12 UJ	< 0.034 UJ	< 0.17 UJ	< 0.13 UJ	< 0.1 UJ	0.48 J	< 5.6 U
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.15 UJ	< 1.1 U	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	0.42 J	15 J
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 15 U	< 110 U	< 20 U	< 8.9 U	< 17 U	< 9.5 U	< 42 UJ
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.15 U	< 1.1 U	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 UJ	4.8 J
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	0.97 J	< 0.034 U	0.82 J	< 0.13 U	< 0.1 U	1.4 J	< 0.56 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.15 UJ	< 1.1 UJ	0.41 J	< 0.089 UJ	< 0.17 UJ	3.6 J	< 0.42 UJ
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 15 UJ	< 110 UJ	< 20 UJ	< 8.9 UJ	< 17 UJ	< 9.5 UJ	< 42 UJ
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 30 U	< 220 U	< 41 U	< 18 U	< 34 U	< 19 U	< 84 UJ
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.15 U	< 1.1 U	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	< 0.42 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	--	--	--	--	< 1.4 U	--
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	--	--	--	--	< 5.8 U	--
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	--	--	--	--	< 120 U	--
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	--	--	--	--	< 120 U	--
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 15 UJ	< 110 UJ	< 20 UJ	< 8.9 UJ	< 17 UJ	11 J-	< 42 UJ
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	--	--	--	--	< 0.29 U	--
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	--	--	--	--	< 0.29 U	--
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	--	--	--	--	< 0.29 U	--
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	--	--	--	--	< 0.29 U	--

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	5	--	--	--	--	--
					BCL	440	5	490	1.1	8.5	48	3520
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 210 U	4400	240 J	< 80 U	< 170 U	< 230 U	< 250 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1.5 UJ	5300	< 0.08 UJ	< 0.064 UJ	< 0.12 UJ	< 0.085 UJ	3.1 J
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 4.2 U	6500 J	0.21 J	< 0.088 U	< 0.27 U	< 0.5 U	6.2
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 4.2 UJ	4300	0.21 J	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 420 UJ	3500	< 8.4 U	< 9.8 U	< 15 U	< 9.6 U	< 52 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 420 U	3500	< 8.4 U	< 9.8 U	< 15 U	< 96 U	< 52 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.21 U	5.7	< 0.06 U	< 0.08 U	< 0.17 U	< 0.23 U	< 0.25 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.21 U	5.9	< 0.06 U	< 0.08 U	< 0.17 U	< 0.23 U	< 0.25 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1.5 U	6.1	< 0.08 U	< 0.064 U	< 0.12 U	< 4.2 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 4.2 U	6	< 0.18 U	< 0.088 U	< 0.27 U	< 0.5 U	0.061 J-
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 4.2 U	6.2	< 0.18 U	< 0.088 U	< 0.27 U	< 0.5 U	< 0.029 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 4.2 UJ	6.1 J	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 4.2 UJ	4.7 J-	0.15 J-	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 4.2 U	5.1	< 0.084 U	< 0.098 U	< 0.15 U	< 0.73 U	< 0.52 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.21 U	5.4	< 0.06 U	< 0.08 U	< 0.17 U	< 0.23 U	< 0.25 UJ-
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1.5 UJ	2.8 J	< 0.08 UJ	< 0.064 UJ	< 0.12 UJ	< 0.085 U	< 0.1 UJ
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 4.2 U	< 0.032 UJ	< 0.18 U	< 0.088 U	< 0.27 U	< 0.5 UJ	< 0.029 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 4.2 UJ	41 J	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 4.2 UJ	1.9	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 4.2 UJ	1.5 J-	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.68 UJ	< 0.52 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.21 U	2.4	< 0.06 U	< 0.08 U	< 0.17 U	< 0.23 U	< 0.25 UJ-
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.21 U	< 0.1 U	< 0.06 U	< 0.08 U	< 0.17 U	< 0.23 U	< 0.25 UJ-
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1.5 U	13	< 0.08 U	< 0.064 U	< 0.12 U	< 0.085 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1.5 U	14	< 0.08 U	< 0.064 U	< 0.12 U	< 0.085 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 4.2 U	4.8	< 0.18 U	< 0.088 U	< 0.27 U	< 0.5 U	< 0.029 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 4.2 U	1.3	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 4.2 UJ	3	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 4.2 UJ	6.7	< 0.084 U	< 0.098 U	< 0.15 U	< 0.53 U	< 0.52 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 100 U	15000	< 30 U	< 40 U	< 85 U	< 120 U	< 120 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1.5 UJ	45000 J	< 0.08 UJ	0.91 J	< 0.12 UJ	< 0.085 UJ	0.54 J
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 4.2 U	83000	0.44	0.35	< 0.27 U	< 0.5 U	5
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 4.2 U	74000	0.42	0.6	< 0.27 U	< 500 U	< 29 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 4.2 UJ	42000	0.61 J-	0.87 J-	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 4.2 UJ	53000 J+	0.64 J-	1.1 J-	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 2100 UJ	72000	< 42 U	< 49 U	< 76 U	< 48 U	< 260 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 4.2 UJ	81000	0.47 J	< 0.098 UJ	< 0.15 UJ	< 0.79 UJ	< 0.52 UJ
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 4.2 U	80000	0.57 J+	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.21 UJ-	33000 J-	< 0.06 UJ-	< 0.08 UJ-	< 0.17 UJ-	< 0.23 UJ-	7.8 J-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1.5 UJ	3000	< 0.08 UJ	< 0.064 UJ	< 0.12 UJ	< 0.085 UJ	< 0.1 UJ
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 4.2 UJ	1100	< 0.18 UJ	< 0.088 UJ	< 0.27 UJ	< 0.5 UJ	15 J
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 4.2 UJ	880	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 210 UJ	670	< 4.2 U	< 4.9 U	< 7.6 U	< 4.8 U	< 26 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 4.2 UJ	580	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 4.2 UJ	630	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.21 UJ-	200 J-	< 0.06 UJ-	< 0.08 UJ-	< 0.17 UJ-	< 0.23 UJ-	< 0.25 UJ-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1.5 UJ	21 J-	< 0.08 UJ	< 0.064 UJ	< 0.12 UJ	< 0.085 UJ	< 0.1 UJ
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 4.2 U	12	< 0.18 U	< 0.088 U	< 0.27 U	< 0.5 U	< 0.029 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 4.2 U	11 J+	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 4.2 UJ	8.8 J-	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 4.2 UJ	10 J-	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.73 UJ	< 0.52 UJ
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 4.2 UJ	38000	< 0.18 UJ	< 0.088 UJ	< 0.27 UJ	< 0.5 UJ	3.9 J
Shallow	Down-Gradient	H-21R	POSSM	N	07/16/09	--	19000	< 14 U	< 15 U	< 20 U	< 21 U	--
Shallow	Down-Gradient	H-21R	POSSM	N	11/13/09	--	21000	< 14 U	< 15 U	< 20 U	< 21 U	--
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 4.2 U	61	< 0.18 U	< 0.088 U	< 0.27 U	< 5 U	< 0.29 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 4.2 U	2.8 J+	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 42 UJ	5.4 J	< 0.84 U	< 0.98 U	< 1.5 U	< 0.96 U	< 5.2 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 42 UJ	3.8 J	< 0.84 U	< 0.98 U	< 1.5 U	< 0.96 U	< 5.2 U

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	5	--	--	--	--	--
					BCL	440	5	490	1.1	8.5	48	3520
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 4.2 UJ	4.1 J-	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 4.2 U	51	< 0.18 U	< 0.088 U	< 0.27 U	< 5 U	< 0.29 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 4.2 UJ	47 J	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	0.74 J
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 4.2 UJ	48 J	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 4.2 U	27	< 0.084 U	< 0.098 U	< 0.15 U	< 0.73 U	< 0.52 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 4.2 U	< 0.032 U	< 0.18 U	< 0.088 U	< 0.27 U	< 0.5 U	< 0.029 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 4.2 U	< 0.06 U	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 4.2 UJ	0.078 J	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 4.2 UJ	< 0.06 U	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 4.2 UJ	< 0.06 U	< 0.084 U	< 0.098 U	< 0.15 U	< 0.56 U	< 0.52 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.21 UJ-	12000 J-	0.76 J-	5 J-	< 0.17 UJ-	< 0.23 UJ-	< 0.25 UJ-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1.5 UJ	42000 J	0.64 J	< 0.064 UJ	< 0.12 UJ	< 0.085 UJ	1.6 J
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 4.2 UJ	56000	0.48 J	< 0.088 UJ	< 0.27 UJ	< 50 UJ	< 0.029 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 4.2 UJ	43000 J-	1.7 J	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 4.2 UJ	47000 J-	2.1 J	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 420 UJ	44000	< 8.4 UJ	< 9.8 UJ	< 15 UJ	< 9.6 UJ	< 52 UJ
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 420 UJ	47000	< 8.4 UJ	< 9.8 UJ	< 15 UJ	54 J-	< 52 UJ
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 52 U	1200	< 15 U	< 20 U	< 42 U	< 58 U	< 62 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1.5 U	3000	< 0.08 U	1.8 J+	< 0.12 U	< 8.5 U	1.5 J+
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 4.2 U	3800 J	< 0.18 U	1.1 J+	< 0.27 U	< 50 U	1.1 J+
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 4.2 UJ	3400	0.11 J	0.71 J	< 0.15 U	< 0.096 UJ	0.98 J
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 420 UJ	2700	< 8.4 U	< 9.8 U	< 15 U	< 9.6 U	< 52 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 420 UJ	2900	< 8.4 U	< 9.8 U	< 15 U	56 J	< 52 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 73 U	15000	< 4 U	< 3.2 U	< 5.9 U	< 4.2 U	< 5 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 420 UJ	10000 J	< 8.4 U	< 9.8 U	< 15 U	< 58 UJ	< 52 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 4.2 UJ	670 J	< 0.18 UJ	< 0.88 U	< 0.27 UJ	< 5 UJ	510 J
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 4.2 UJ	2300	< 0.084 UJ	0.94 J	< 0.15 U	< 0.096 UJ	290
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 420 UJ	6100	< 8.4 U	< 9.8 U	< 15 U	< 9.6 U	1200
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 4.2 U	7400	0.092 J	0.79 J+	< 0.15 UJ	130 J-	1500
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 4.2 U	43000	0.44 J	< 0.088 U	< 0.27 U	< 0.5 UJ	< 0.029 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 4.2 UJ	69000	1.2 J	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	7.8 J
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 420 UJ	48000	< 8.4 UJ	< 9.8 UJ	< 15 UJ	< 9.6 UJ	< 52 UJ
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 830 U	52000	< 17 U	< 20 U	< 30 U	< 19 U	< 100 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 4.2 UJ	0.17 J	< 0.084 U	< 0.098 U	< 0.15 U	< 0.71 UJ	< 0.52 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	3500	< 1.4 U	< 1.5 U	< 2 U	< 2.1 U	--
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	5300	< 5.4 U	< 6 U	< 8 U	< 8.4 U	--
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	140000	< 110 U	< 120 U	< 160 U	< 170 U	--
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	22000	< 110 U	< 120 U	< 160 U	< 170 U	--
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 420 UJ	67000	< 8.4 UJ	< 9.8 UJ	< 15 UJ	71 J-	< 52 UJ
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	< 0.28 U	< 0.27 U	< 0.3 U	< 0.4 U	< 0.42 U	--
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	< 0.28 U	< 0.27 U	< 0.3 U	< 0.4 U	< 0.42 U	--
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	< 0.28 U	< 0.27 U	< 0.3 U	< 0.4 U	< 0.42 U	--
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	< 0.28 U	< 0.27 U	< 0.3 U	< 0.4 U	< 0.42 U	--

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	5	100	--	--	--	--	70
					BCL	5	100	--	23	1.6	81	70
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 90 U	8800	< 130 U	< 110 U	< 70 U	< 190 U	< 270 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.1 UJ	12000	< 0.11 UJ	0.86 J	7.6 J	1 J	< 0.048 UJ
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.042 U	11000	< 0.2 U	0.34 J	< 0.08 U	0.11 J	< 0.13 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.073 UJ	9300	< 0.12 UJ	< 0.085 UJ	< 0.067 UJ	0.26 J	< 0.14 UJ
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 7.3 U	8800	< 0.12 U	< 8.5 U	< 6.7 U	< 8.6 U	< 14 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 7.3 U	9700 J	< 12 U	< 8.5 U	< 6.7 U	< 8.6 U	< 14 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.09 U	1400	< 0.13 U	< 0.11 U	1.4	< 0.19 U	< 0.27 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.09 U	1500	< 0.13 U	< 0.11 U	1.2	< 0.19 U	< 0.27 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.1 U	1300	< 0.11 U	< 0.1 U	0.26 J	< 0.1 U	< 0.048 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.042 U	1700 J	< 0.2 U	< 0.085 U	0.18 J	< 0.036 U	< 0.13 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.042 U	1800	< 0.2 U	< 0.085 U	0.19 J	0.087 J	< 0.13 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.073 U	1400	< 0.12 U	< 0.085 U	0.22 J+	0.31 J+	< 0.14 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.073 UJ	1300	< 0.12 UJ	< 0.085 UJ	0.1 J-	< 0.086 UJ	< 0.14 UJ
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.073 U	1500	< 0.12 U	< 0.085 U	0.21 J	< 0.37 U	< 0.14 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.09 U	210	< 0.13 UJ	< 0.11 U	8.1	< 0.19 U	< 0.27 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.1 UJ	330	< 0.11 UJ	0.75 J	0.82 J	3.2 J	< 0.048 UJ
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.042 U	450 J	< 0.2 U	< 0.085 U	< 0.08 UJ	< 0.036 U	< 0.13 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.073 UJ	430 J-	< 0.12 UJ	< 0.085 UJ	0.61 J	< 0.086 UJ	< 0.14 UJ
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.073 U	490	< 0.12 U	< 0.085 U	0.99 J	< 0.086 U	< 0.14 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	0.13 J	470	< 0.12 UJ	< 0.085 UJ	3.2 J-	< 0.31 UJ	< 0.14 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.09 U	30	< 0.13 UJ	0.53 J	34	< 0.19 U	< 0.27 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.09 U	< 0.1 U	< 0.13 UJ	< 0.11 U	34	< 0.19 U	< 0.27 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	1	9.7	< 0.11 U	0.59 J	19	0.35 J	< 0.048 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.1 U	10	< 0.11 U	0.51 J	19	0.31 J	< 0.048 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	1.4 J+	4	< 0.2 U	< 0.085 U	52 J	< 0.036 U	< 0.13 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	0.4 J	2.2	< 0.12 U	< 0.085 U	56	0.24 J	< 0.14 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	0.4 J	2.2	< 0.12 U	< 0.085 U	40 J	< 0.086 U	< 0.14 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	0.2 J	3	< 0.12 U	0.31 J	51 J	< 0.19 U	< 0.14 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 45 U	11000	< 65 U	< 55 U	16000	< 95 U	< 140 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.1 UJ	32000	< 0.11 UJ	1.2 J	6200	0.76 J	< 0.048 UJ
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.042 U	66000	< 0.2 U	1.5	1400	< 0.036 U	< 0.13 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.042 U	51000	< 0.2 U	2.1	1300	< 0.036 U	< 0.13 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.073 UJ	29000	< 0.12 UJ	< 0.085 UJ	3100 J	0.61 J-	< 0.14 UJ
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.073 UJ	40000 J+	< 0.12 UJ	0.37 J-	4000 J+	0.54 J-	< 0.14 UJ
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 36 U	49000	< 0.12 U	< 42 U	1100	< 43 U	< 68 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.073 UJ	66000	< 0.12 UJ	0.57 J	740 J-	< 0.34 UJ	< 0.14 UJ
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.073 U	66000	< 0.12 U	0.64 J+	800 J-	< 0.41 UJ	< 0.14 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.09 UJ-	22000 J-	< 0.13 UJ-	< 0.11 UJ-	210 J-	< 0.19 UJ-	< 0.27 UJ-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.1 UJ	16000	< 0.11 UJ	1.2 J-	43 J-	2.6 J-	0.44 J-
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.042 UJ	7700 J	< 0.2 UJ	2.4 J	70 J	0.16 J	0.34 J
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.073 UJ	5700	< 0.12 UJ	1.6 J	44 J	0.48 J	0.22 J
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 3.6 U	4400	< 0.12 U	< 4.2 U	41 J	< 4.3 U	< 6.8 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 7.3 U	7800	< 0.12 UJ	2.2 J-	17 J-	< 0.086 UJ	0.3 J-
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 7.3 U	7500	< 0.12 UJ	2.1 J-	16 J-	< 0.086 UJ	0.27 J-
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.09 UJ-	1500 J-	< 0.13 UJ-	0.59 J-	10 J-	< 0.19 UJ-	0.33 J-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.1 UJ	640	< 0.11 UJ	0.84 J-	0.6 J-	< 0.1 UJ	< 0.048 UJ
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.042 U	660	< 0.2 U	< 0.085 U	< 0.08 U	< 0.036 U	0.2
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.073 U	590	< 0.12 U	< 0.085 U	< 0.067 U	0.39 J+	0.18 J+
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.073 UJ	440	< 0.12 UJ	0.31 J	< 0.067 UJ	< 0.086 UJ	0.16 J-
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.073 UJ	510	< 0.12 UJ	0.1 J-	< 0.067 UJ	< 0.3 UJ	0.21 J-
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 0.042 UJ	16000	< 0.2 UJ	3.5 J	< 0.08 UJ	< 0.036 UJ	1.7 J
Shallow	Down-Gradient	H-21R	POSSM	N	07/16/09	< 14 U	15000	< 20 U	< 20 U	< 16 U	< 20 U	< 16 U
Shallow	Down-Gradient	H-21R	POSSM	N	11/13/09	< 14 U	12000	< 20 U	< 20 U	< 16 U	< 20 U	< 16 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.042 U	1200	< 0.2 U	0.17	0.82	0.12	< 0.13 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.073 U	730	< 0.12 U	< 0.085 U	0.9 J+	0.33 J+	< 0.14 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 0.73 U	790	< 0.12 U	< 0.85 U	1.1 J	< 0.86 U	< 1.4 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 0.73 U	900	< 0.12 U	< 0.85 U	1.2 J	< 0.86 U	< 1.4 U

TABLE 3-3
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	5	100	--	--	--	--	70
					BCL	5	100	--	23	1.6	81	70
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 1.5 U	1100	< 0.12 UJ	0.2 J-	0.7 J-	< 0.086 UJ	< 0.14 UJ
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 0.042 U	1300	< 0.2 U	0.67	< 0.08 U	< 0.036 U	1.1
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.073 UJ	1100	< 0.12 UJ	0.13 J	< 0.067 UJ	0.51 J	0.79 J
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.073 UJ	1100	< 0.12 UJ	0.64 J	< 0.067 UJ	< 0.086 UJ	0.88 J
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.073 U	850	< 0.12 U	0.23 J	< 0.067 U	< 0.42 U	0.87 J
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.042 U	< 0.48 U	< 0.2 U	< 0.085 U	1.3	< 0.036 U	< 0.13 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.073 U	2.8	< 0.12 U	< 0.085 U	1.1	0.35 J	< 0.14 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.073 U	0.68 J	< 0.12 U	< 0.085 U	1.4	< 0.086 U	< 0.14 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.073 U	0.3 J	< 0.12 U	< 0.085 U	1.4	< 0.086 U	< 0.14 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.073 U	< 0.06 U	< 0.12 U	< 0.085 U	1.5	< 0.086 U	< 0.14 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.09 UJ-	14000 J-	< 0.13 UJ-	0.68 J-	8400 J-	< 0.19 UJ-	< 0.27 UJ-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.1 UJ	32000	< 0.11 UJ	< 0.1 UJ	230 J	< 0.1 UJ	0.13 J
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.042 UJ	62000	< 0.2 UJ	< 0.085 UJ	79 J-	< 0.036 UJ	< 0.13 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.073 UJ	42000 J-	< 0.12 UJ	< 0.085 UJ	25 J	< 0.086 UJ	< 0.14 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.073 UJ	46000 J-	< 0.12 UJ	< 0.085 UJ	120 J-	0.22 J	< 0.14 UJ
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 7.3 UJ	44000	< 0.12 UJ	< 8.5 UJ	60 J	< 8.6 UJ	< 14 UJ
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 7.3 UJ	50000	< 12 UJ	< 8.5 UJ	64 J-	< 8.6 UJ	< 14 UJ
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 22 U	2900	< 32 U	< 28 U	4400	< 48 U	< 68 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.1 U	9900	< 0.11 U	1.6 J+	3600	0.38 J+	< 0.048 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.042 U	12000	< 0.2 U	1.7 J+	5200 J-	0.53 J+	< 0.13 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.073 UJ	10000	< 0.12 UJ	0.83 J	4500	< 0.086 UJ	< 0.14 UJ
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 7.3 U	8200	< 0.12 U	< 8.5 U	4200	< 8.6 U	< 14 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 7.3 U	12000 J	< 12 U	< 8.5 U	4300	< 8.6 U	< 14 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 5 U	2100	< 0.11 U	< 5 U	63	< 5 U	< 2.4 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 7.3 U	2300	< 0.12 U	< 8.5 U	74 J	< 8.6 U	< 14 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.042 UJ	540	< 0.2 UJ	0.47 J	1800 J	1.2 J	0.24 J
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.073 UJ	2000	< 0.12 UJ	< 0.085 UJ	7200	< 0.086 UJ	< 0.14 UJ
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 7.3 U	3800	< 0.12 U	< 8.5 U	17000	< 8.6 U	< 14 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.073 U	5600	< 0.12 U	0.4 J+	21000	0.93 J+	< 0.14 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 0.042 U	52000	< 0.2 U	< 0.085 U	< 0.08 U	< 0.036 U	< 0.13 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.073 UJ	57000	< 0.12 UJ	< 0.085 UJ	11 J	1 J	< 0.14 UJ
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 7.3 UJ	46000	< 0.12 UJ	< 8.5 UJ	6.9 J-	< 8.6 UJ	< 14 UJ
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 15 U	61000	< 24 U	< 17 U	< 13 U	< 17 U	< 27 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.073 U	< 0.06 U	< 0.12 U	< 0.085 U	5.6	0.29 J+	< 0.14 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 1.4 U	2500	< 2 U	< 2 U	84	< 2 U	< 1.6 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 5.6 U	3200	< 8 U	< 8 U	31	< 8 U	< 6.4 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 110 U	140000	< 160 U	< 160 U	65000	< 160 U	< 130 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	210	140000	< 160 U	< 160 U	< 130 U	< 160 U	< 130 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	200 J-	300000	< 0.12 UJ	< 8.5 UJ	33000 J	83 J	< 14 UJ
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 0.28 U	16	< 0.4 U	< 0.4 U	< 0.33 U	< 0.4 U	< 0.32 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 0.28 U	14	< 0.4 U	< 0.4 U	< 0.33 U	< 0.4 U	< 0.32 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 0.28 U	< 0.36 U	< 0.4 U	< 0.4 U	< 0.33 U	< 0.4 U	< 0.32 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 0.28 U	21	< 0.4 U	< 0.4 U	< 0.33 U	< 0.4 U	< 0.32 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	cis-1,3-Dichloropropene	Cymene (Isopropyltoluene)	Dibromochloromethane	Dibromochloropropane	Dibromomethane	Dichlorodifluoromethane (Freon-12)	Dichloromethane
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	0.2	--	--	5
					BCL	--	--	0.7	0.2	370	5840	5
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 130 U	220 J	< 90 U	< 270 U	< 140 U	< 140 U	< 120 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.05 UJ	< 0.1 UJ	< 0.11 UJ	< 0.55 UJ	< 0.12 UJ	< 0.045 UJ	1800
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	0.62 J
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 9.9 U	< 11 U	< 0.21 U	< 20 U	< 9.5 U	< 5.8 U	< 10 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 9.9 U	< 11 U	< 21 U	< 20 U	< 9.5 U	< 5.8 U	72 J
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.13 U	< 0.08 U	< 0.09 U	< 0.27 U	< 0.14 U	< 0.14 U	< 0.12 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.13 U	< 0.08 U	< 0.09 U	< 0.27 U	< 0.14 U	< 0.14 U	< 0.12 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.05 U	< 0.1 U	< 0.11 U	< 0.55 UJ	< 0.12 U	< 0.045 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	< 0.091 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	< 0.091 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.13 U	< 0.08 U	< 0.09 U	< 0.27 U	< 0.14 U	< 0.14 U	< 0.12 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.05 UJ	< 0.1 UJ	< 0.11 UJ	< 0.55 UJ	< 0.12 UJ	< 0.045 UJ	< 0.1 UJ
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	0.15 J+
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.13 U	< 0.08 U	< 0.09 U	< 0.27 U	< 0.14 U	< 0.14 U	< 0.12 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.13 U	< 0.08 U	< 0.09 U	< 0.27 U	< 0.14 U	< 0.14 U	< 0.12 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.05 U	< 0.1 U	< 0.11 U	< 0.55 UJ	< 0.12 U	< 0.045 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.05 U	< 0.1 U	< 0.11 U	< 0.55 UJ	< 0.12 U	< 0.045 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	0.23 J+
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	0.14 J
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 65 U	< 40 U	< 45 U	< 140 U	< 70 U	< 70 U	520
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.05 UJ	< 0.1 UJ	< 0.11 UJ	< 0.55 UJ	< 0.12 UJ	< 0.045 UJ	3.4 J
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	1.4
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	1.1
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.099 UJ	< 0.11 UJ	0.87 J-	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	3.6 J
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.099 UJ	< 0.11 UJ	1.1 J	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	5 J
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 50 U	< 56 U	< 0.21 U	< 100 U	< 48 U	< 29 U	< 51 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.099 U	< 0.11 U	< 0.21 UJ	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.13 UJ-	< 0.08 UJ-	< 0.09 UJ-	< 0.27 UJ-	< 0.14 UJ-	< 0.14 UJ-	0.44 J-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.05 UJ	< 0.1 UJ	< 0.11 UJ	< 0.55 UJ	< 0.12 UJ	< 0.045 UJ	< 0.1 UJ
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.099 UJ	0.045 J	< 0.17 UJ	< 0.48 UJ	< 0.14 UJ	< 0.074 UJ	4.3 J
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	0.1 J
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 5 U	< 5.6 U	< 0.21 U	< 10 U	< 4.8 U	< 2.9 U	< 5.1 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 20 U	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 20 U	< 0.095 UJ	< 0.058 UJ	< 0.11 UJ
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.13 UJ-	< 0.08 UJ-	< 0.09 UJ-	< 0.27 UJ-	< 0.14 UJ-	< 0.14 UJ-	310 J-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.05 UJ	< 0.1 UJ	< 0.11 UJ	< 0.55 UJ	< 0.12 UJ	< 0.045 UJ	< 0.1 UJ
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	< 0.091 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 0.099 UJ	< 0.04 UJ	< 0.17 UJ	< 0.48 UJ	< 0.14 UJ	< 0.074 UJ	0.32 J
Shallow	Down-Gradient	H-21R	POSSM	N	07/16/09	< 11 U	< 14 U	< 20 U	< 48 U	< 18 U	< 13 U	< 48 U
Shallow	Down-Gradient	H-21R	POSSM	N	11/13/09	< 11 U	< 14 U	< 20 U	< 48 U	< 18 U	< 13 U	< 48 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	< 0.091 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 0.99 U	< 1.1 U	< 0.21 U	< 2 U	< 0.95 U	< 0.58 U	< 1 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 0.99 U	< 1.1 U	< 0.21 U	< 2 U	< 0.95 U	< 0.58 U	< 1 U

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	cis-1,3-Dichloropropene	Cymene (Isopropyltoluene)	Dibromochloromethane	Dibromochloropropane	Dibromomethane	Dichlorodifluoromethane (Freon-12)	Dichloromethane
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	0.2	--	--	5
					BCL	--	--	0.7	0.2	370	5840	5
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 4 U	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	0.11
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	0.096
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.13 UJ-	< 0.08 UJ-	< 0.09 UJ-	< 0.27 UJ-	< 0.14 UJ-	< 0.14 UJ-	12 J-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.05 UJ	< 0.1 UJ	< 0.11 UJ	< 0.55 UJ	< 0.12 UJ	< 0.045 UJ	2400
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.099 UJ	< 0.04 UJ	< 0.17 UJ	< 0.48 UJ	< 0.14 UJ	< 0.074 UJ	0.63 J
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	0.93 J
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 9.9 UJ	< 11 UJ	< 0.21 UJ	< 20 UJ	< 9.5 UJ	< 5.8 UJ	< 10 UJ
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 9.9 UJ	< 11 UJ	< 21 UJ	< 20 UJ	< 9.5 UJ	< 5.8 UJ	69 J-
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 32 U	< 20 U	< 22 U	< 68 U	< 35 U	< 35 U	1800
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.05 U	< 0.1 U	< 0.11 U	< 0.55 UJ	< 0.12 U	< 0.045 U	1700
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	1600 J-
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.099 UJ	< 0.11 UJ	< 0.21 U	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	1500
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 9.9 U	< 11 U	< 0.21 U	< 20 U	< 9.5 U	< 5.8 U	1400
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 9.9 U	< 11 U	< 21 U	< 20 U	< 9.5 U	< 5.8 U	1500
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 2.5 U	< 5 U	< 0.11 U	< 28 UJ	< 6.2 U	--	68
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 9.9 U	< 11 U	< 0.21 U	< 20 U	< 9.5 U	< 5.8 U	35 J
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.099 UJ	< 0.04 UJ	< 0.17 UJ	< 0.48 UJ	< 0.14 UJ	< 0.074 UJ	1300 J
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.099 UJ	< 0.11 UJ	< 0.21 U	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	1900
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 9.9 U	< 11 U	< 0.21 U	< 20 U	< 9.5 U	< 5.8 U	3800
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.099 U	< 0.11 UJ	< 0.21 U	< 0.2 UJ	< 0.095 U	< 0.058 U	4300
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 0.099 U	< 0.04 UJ	< 0.17 U	< 0.48 UJ	< 0.14 U	< 0.074 U	0.34 J
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	1.9 J
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 9.9 UJ	< 11 UJ	< 0.21 UJ	< 20 UJ	< 9.5 UJ	< 5.8 UJ	< 10 UJ
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 20 U	< 22 U	< 42 U	< 40 U	< 19 U	< 12 U	< 20 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 1.1 U	< 1.4 U	< 2 U	< 4.8 U	< 1.8 U	< 1.3 UJ	5.9
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 4.4 U	< 5.6 U	< 8 U	< 19 U	< 7.2 U	< 5.2 U	< 19 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 88 U	< 110 U	< 160 U	< 390 U	< 140 U	< 100 U	2600
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 88 U	< 110 U	< 160 U	< 390 U	< 140 U	< 100 U	< 380 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 9.9 UJ	< 11 UJ	< 0.21 UJ	< 20 UJ	< 9.5 UJ	< 5.8 UJ	1200 J-
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 0.22 U	< 0.28 U	< 0.4 U	< 0.97 U	< 0.36 U	< 0.26 U	< 0.95 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 0.22 U	< 0.28 U	< 0.4 U	< 0.97 U	< 0.36 U	< 0.26 U	< 0.95 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 0.22 U	< 0.28 U	< 0.4 U	< 0.97 U	< 0.36 U	< 0.26 U	< 0.95 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 0.22 U	< 0.28 U	< 0.4 U	< 0.97 U	< 0.36 U	< 0.26 U	< 0.95 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Dimethyldisulfide	Ethanol	Ethylbenzene	Heptane	Isopropylbenzene	m,p-Xylenes	Methyl ethyl ketone
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	700	--	--	--	--
					BCL	--	--	700	--	3440	42600	21300
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 5000 U	8100	150 J	< 1000 U	140 J	300 J	< 330 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	1.6 J	< 95 UJ	< 0.064 UJ	< 0.1 UJ	< 0.1 UJ	< 0.2 UJ	< 1.8 UJ
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.089 U	< 36 UJ	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 27 U	< 8500 UJ	< 11 U	< 0.12 U	< 9.6 U	< 19 U	< 83 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 27 U	< 8500 UJ	< 11 U	< 12 U	< 9.6 U	< 19 U	< 83 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 5 U	< 540 U	< 0.07 U	< 1 U	< 0.07 U	< 0.09 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 5 U	< 540 U	< 0.07 U	< 1 U	< 0.07 U	< 0.09 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.27 U	< 95 UJ	< 0.064 U	< 0.1 U	< 0.1 U	< 0.2 U	< 1.8 UJ
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.089 U	< 36 UJ	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.089 U	< 36 UJ	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.27 U	< 85 U	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 5 U	< 540 U	< 0.07 U	< 1 U	< 0.07 U	< 0.09 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.27 UJ	< 95 UJ	< 0.064 UJ	< 0.1 UJ	< 0.1 UJ	< 0.2 UJ	< 1.8 UJ
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.089 U	< 36 UJ	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 5 U	< 540 U	< 0.07 U	< 1 U	< 0.07 U	< 0.09 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 5 U	< 540 U	< 0.07 U	< 1 U	< 0.07 U	< 0.09 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.27 U	< 95 UJ	< 0.064 U	< 0.1 U	< 0.1 U	< 0.2 U	< 1.8 UJ
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.27 U	< 95 UJ	< 0.064 U	< 0.1 U	< 0.1 U	< 0.2 U	< 1.8 UJ
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.089 U	< 36 UJ	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 2500 U	19000	< 35 U	< 500 U	< 35 U	< 45 U	< 160 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.27 UJ	< 95 UJ	< 0.064 UJ	< 0.1 UJ	< 0.1 UJ	< 0.2 UJ	< 1.8 UJ
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.089 U	< 36 U	< 0.061 U	< 0.08 U	0.1	< 1.1 U	< 0.96 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.089 U	< 36 U	< 0.061 U	< 0.08 U	0.13	< 1.1 U	< 0.96 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	0.15 J-	< 0.19 UJ	< 0.83 UJ
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	0.16 J	< 0.19 UJ	< 0.83 UJ
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 130 U	< 43000 UJ	< 54 U	< 0.12 U	< 48 U	< 96 U	< 410 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	0.11 J	< 0.19 UJ	< 0.83 UJ
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 U	0.14 J+	< 0.19 UJ	< 0.83 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 5 UJ-	57000	< 0.07 UJ-	< 1 UJ-	< 0.07 UJ-	< 0.09 UJ-	< 0.33 UJ-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.27 UJ	< 95 UJ	< 0.064 UJ	< 0.1 UJ	< 0.1 UJ	< 0.2 UJ	20 J
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	5.3 J	< 36 UJ	< 0.061 UJ	< 0.08 UJ	< 0.032 UJ	< 1.1 UJ	24 J
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 13 U	< 4300 UJ	< 5.4 U	< 0.12 U	< 4.8 U	< 9.6 U	< 41 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	0.3 J-	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	0.35 J-	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 5 UJ-	< 540 U	< 0.07 UJ-	< 1 UJ-	< 0.07 UJ-	< 0.09 UJ-	< 0.33 UJ-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.27 UJ	< 95 UJ	< 0.064 UJ	0.23 J-	< 0.1 UJ	< 0.2 UJ	< 1.8 UJ
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.089 U	< 36 U	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	0.17 J-	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 0.089 UJ	< 36 UJ	< 0.061 UJ	< 0.08 UJ	< 0.032 UJ	< 1.1 UJ	< 0.96 UJ
Shallow	Down-Gradient	H-21R	POSSM	N	07/16/09	< 25 U	--	< 12 U	--	< 12 U	< 30 U	--
Shallow	Down-Gradient	H-21R	POSSM	N	11/13/09	< 25 U	--	< 12 U	--	< 12 U	< 30 U	--
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.089 U	< 36 U	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 2.7 U	< 850 UJ	< 1.1 U	< 0.12 U	< 0.96 U	< 1.9 U	< 8.3 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 2.7 U	< 850 UJ	< 1.1 U	< 0.12 U	< 0.96 U	< 1.9 U	< 8.3 U

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Dimethyldisulfide	Ethanol	Ethylbenzene	Heptane	Isopropylbenzene	m,p-Xylenes	Methyl ethyl ketone
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	700	--	--	--	--
					BCL	--	--	700	--	3440	42600	21300
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 0.089 U	< 36 U	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	74 J
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.089 U	< 36 U	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 5 UJ-	34000	< 0.07 UJ-	< 1 UJ-	< 0.07 UJ-	< 0.09 UJ-	< 0.33 UJ-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.27 UJ	< 95 UJ	< 0.064 UJ	< 0.1 UJ	< 0.1 UJ	< 0.2 UJ	< 1.8 UJ
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.089 UJ	< 36 UJ	< 0.061 UJ	< 0.08 UJ	< 0.032 UJ	< 1.1 UJ	< 0.96 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	0.45 J	< 0.19 UJ	< 0.83 UJ
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 27 UJ	< 8500 UJ	< 11 UJ	< 0.12 UJ	< 9.6 UJ	< 19 UJ	< 83 UJ
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 27 UJ	< 8500 UJ	< 11 UJ	< 12 UJ	< 9.6 UJ	< 19 UJ	< 83 UJ
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1200 U	13000	< 18 U	< 250 U	< 18 U	< 22 U	< 82 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	6 J+	< 95 UJ	< 0.064 U	< 0.1 U	< 0.1 U	< 0.2 U	< 1.8 UJ
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	--	< 36 UJ	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 UJ	< 0.096 U	< 0.19 U	4.3 J
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 27 U	< 8500 UJ	< 11 U	< 0.12 U	< 9.6 U	< 19 U	< 83 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 27 U	< 8500 UJ	< 11 U	< 12 U	< 9.6 U	< 19 U	< 83 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	--	< 4800 UJ	< 3.2 U	--	< 5 U	< 10 U	< 90 UJ
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 27 U	< 8500 UJ	< 11 U	< 0.12 U	< 9.6 U	< 19 U	< 83 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	1.7 J	< 36 UJ	< 0.061 UJ	< 0.08 UJ	< 0.032 UJ	< 1.1 UJ	< 0.96 UJ
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 UJ	< 0.096 U	< 0.19 U	1.7 J
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 27 U	< 8500 U	< 11 U	< 0.12 U	< 9.6 U	< 19 U	< 83 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 UJ	< 0.19 U	< 0.83 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	2.1 J+	< 36 UJ	< 0.061 U	< 0.08 U	0.081 J	< 1.1 U	< 0.96 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 27 UJ	< 8500 UJ	< 11 UJ	< 0.12 UJ	< 9.6 UJ	< 19 UJ	< 83 UJ
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 53 U	< 17000 UJ	< 21 U	< 24 U	< 19 U	< 38 U	< 170 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 2.5 U	--	< 1.2 U	--	< 1.2 U	< 3 U	--
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 10 U	--	< 5 U	--	< 5 U	< 12 U	--
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 200 U	--	< 100 U	--	< 100 U	< 240 U	--
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 200 U	--	< 100 U	--	< 100 U	< 240 U	--
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 27 UJ	< 8500 UJ	< 11 UJ	< 0.12 UJ	< 9.6 UJ	< 19 UJ	< 83 UJ
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 0.5 U	--	< 0.25 U	--	< 0.25 U	< 0.6 U	--
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 0.5 U	--	< 0.25 U	--	< 0.25 U	< 0.6 U	--
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 0.5 U	--	< 0.25 U	--	< 0.25 U	< 0.6 U	--
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 0.5 U	--	< 0.25 U	--	< 0.25 U	< 0.6 U	--

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Methyl iodide	Methyl isobutyl ketone	MTBE (Methyl tert-butyl ether)	n-Butylbenzene	Nonanal	n-Propylbenzene	o-Xylene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--	--
					BCL	--	2900	35	370	--	370	42600
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 100 U	< 100 U	< 150 U	360 J	--	260 J	140 J
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	0.51 J	< 0.21 UJ	< 0.1 UJ	< 0.045 UJ	< 0.31 UJ	< 0.1 UJ	< 0.1 UJ
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.091 UJ	2 J	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	0.16 J
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 9.1 U	< 32 U	< 9.8 U	< 12 U	< 120 U	< 9.3 U	< 5.5 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 9.1 U	< 32 U	< 98 UJ	< 12 U	< 1200 U	< 9.3 U	< 5.5 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.1 U	2.7 J	< 0.15 U	< 0.05 U	--	< 0.07 U	< 0.05 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.1 U	2.1 J	< 0.15 U	< 0.05 U	--	< 0.07 U	< 0.05 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.13 U	< 0.21 U	< 0.1 U	< 0.045 U	< 0.31 U	< 0.1 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.091 U	< 0.32 U	< 0.098 U	< 0.12 UJ	< 1.2 U	< 0.093 U	< 0.055 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	< 0.055 UJ
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.091 U	< 0.32 U	< 0.098 UJ	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.1 U	1.1 J	< 0.15 U	< 0.05 U	--	< 0.07 U	< 0.05 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	0.67 J	< 0.21 UJ	< 0.1 UJ	< 0.045 UJ	< 0.31 UJ	< 0.1 UJ	< 0.1 UJ
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	< 0.055 UJ
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.091 U	< 0.32 U	< 0.098 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	< 0.055 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.1 U	< 0.1 U	< 0.15 U	< 0.05 U	--	< 0.07 U	< 0.05 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.1 U	< 0.1 U	< 0.15 U	< 0.05 U	--	< 0.07 U	< 0.05 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.13 U	< 0.21 U	< 0.1 U	< 0.045 U	< 0.31 U	< 0.1 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.13 U	< 0.21 U	< 0.1 U	< 0.045 U	< 0.31 U	< 0.1 U	< 0.1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.091 U	< 0.32 U	< 0.098 UJ	< 0.12 U	< 1.2 UJ	< 0.093 U	< 0.055 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.091 U	< 0.32 U	< 0.098 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.091 U	< 0.32 U	< 0.098 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 50 U	< 50 U	< 75 U	< 25 U	--	< 35 U	< 25 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.13 UJ	< 0.21 UJ	< 0.1 UJ	< 0.045 UJ	< 0.31 UJ	< 0.1 UJ	1.3 J
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	0.14	0.61
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 330 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	0.13	0.54
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	0.22 J-	1.3 J-
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	0.22 J-	1.4 J
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 46 U	< 160 U	< 49 U	< 58 U	< 610 U	< 46 U	< 28 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 120 UJ	0.16 J	2.9 J
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.091 U	< 0.32 UJ	< 0.098 U	< 0.12 U	< 120 UJ	0.18 J+	3.9 J
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.1 UJ-	0.79 J-	< 0.15 UJ-	0.32 J-	--	< 0.07 UJ-	< 0.05 UJ-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.13 UJ	< 0.21 UJ	< 0.1 UJ	< 0.045 UJ	< 0.31 UJ	< 0.1 UJ	0.21 J-
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.33 UJ	< 0.72 UJ	< 0.13 UJ	0.094 J	< 0.007 UJ	0.044 J	< 0.056 UJ
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	0.12 J	< 1.2 UJ	< 0.093 UJ	0.1 J
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 4.6 U	< 16 U	< 4.9 U	< 5.8 U	< 61 U	< 4.6 U	< 2.8 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.091 UJ	< 0.32 UJ	< 9.8 U	< 0.12 UJ	< 120 U	< 0.093 UJ	0.071 J-
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.091 UJ	< 0.32 UJ	< 9.8 U	< 0.12 UJ	< 120 U	< 0.093 UJ	0.084 J-
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.1 UJ-	< 0.1 UJ-	< 0.15 UJ-	< 0.05 UJ-	--	< 0.07 UJ-	< 0.05 UJ-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.13 UJ	< 0.21 UJ	< 0.1 UJ	< 0.045 UJ	< 0.31 UJ	< 0.1 UJ	< 0.1 UJ
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.091 U	< 0.32 U	< 0.098 UJ	< 0.12 U	< 1.2 UJ	< 0.093 U	< 0.055 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	< 0.055 UJ
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	< 0.055 UJ
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	0.48 J	< 0.72 UJ	< 0.13 UJ	0.07 J	< 0.007 UJ	< 0.029 UJ	0.17 J
Shallow	Down-Gradient	H-21R	POSSM	N	07/16/09	--	--	--	< 18 U	--	< 14 U	< 15 U
Shallow	Down-Gradient	H-21R	POSSM	N	11/13/09	--	--	--	< 18 U	--	< 14 U	< 15 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 3.3 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.091 U	< 0.32 U	< 0.098 UJ	< 0.12 U	< 1.2 UJ	< 0.093 U	< 0.055 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 0.91 U	< 3.2 U	< 0.98 U	< 1.2 U	< 12 U	< 0.93 U	< 0.55 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 0.91 U	< 3.2 U	< 0.98 U	< 1.2 U	< 12 U	< 0.93 U	< 0.55 U

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Methyl iodide	Methyl isobutyl ketone	MTBE (Methyl tert-butyl ether)	n-Butylbenzene	Nonanal	n-Propylbenzene	o-Xylene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--	--
					BCL	--	2900	35	370	--	370	42600
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.091 UJ	< 0.32 UJ	< 2 U	< 0.12 UJ	< 24 U	< 0.093 UJ	< 0.055 UJ
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 3.3 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	< 0.055 UJ
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	< 0.055 UJ
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.091 U	< 0.32 U	< 0.098 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.091 U	< 0.32 U	< 0.098 UJ	< 0.12 U	< 1.2 UJ	< 0.093 U	< 0.055 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.091 U	< 0.32 U	< 0.098 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.091 U	< 0.32 U	< 0.098 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.091 U	< 0.32 U	< 0.098 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.1 UJ-	< 0.1 UJ-	< 0.15 UJ-	< 0.05 UJ-	--	< 0.07 UJ-	< 0.05 UJ-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.13 UJ	< 0.21 UJ	< 0.1 UJ	< 0.045 UJ	< 0.31 UJ	0.2 J	2.3 J
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.33 UJ	< 0.72 UJ	< 0.13 UJ	0.16 J	< 0.007 UJ	0.22 J	0.46 J
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	0.74 J	3.4 J
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	0.91 J	4.3 J
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 9.1 UJ	< 32 UJ	< 9.8 UJ	< 12 UJ	< 120 UJ	< 9.3 UJ	< 5.5 UJ
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 9.1 UJ	< 32 UJ	< 9.8 UJ	< 12 UJ	< 120 UJ	< 9.3 UJ	< 5.5 UJ
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 25 U	< 25 U	< 38 U	< 12 U	--	< 18 U	< 12 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.13 U	< 0.21 U	< 0.1 U	< 0.045 U	< 0.31 U	< 0.1 U	< 0.1 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.091 UJ	< 0.32 U	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	0.4 J+
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 9.1 U	< 32 U	< 9.8 U	< 12 U	< 120 U	< 9.3 U	< 5.5 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 9.1 U	< 32 U	< 9.8 U	< 12 U	< 120 U	< 9.3 U	< 5.5 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 6.4 U	< 10 U	< 5 U	< 2.2 U	< 16 U	< 5 U	< 5 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 9.1 U	< 32 U	< 0.098 U	< 12 U	< 120 U	< 9.3 U	< 5.5 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 3.3 UJ	< 0.72 UJ	< 0.13 UJ	< 0.069 UJ	< 0.007 UJ	< 0.029 UJ	< 0.056 UJ
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.091 UJ	1.3 J+	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	< 0.055 U
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 9.1 U	< 32 U	< 9.8 U	< 12 U	< 120 U	< 9.3 U	< 5.5 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	0.88 J+	< 0.32 U	< 0.098 U	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	< 0.055 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 0.33 UJ	< 0.72 U	< 0.13 U	0.23 J	< 0.007 UJ	0.14 J	< 0.056 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	0.43 J	3 J
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 9.1 UJ	< 32 UJ	< 9.8 UJ	< 12 UJ	< 120 UJ	< 9.3 UJ	< 5.5 UJ
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 18 U	< 63 U	< 20 U	< 23 U	< 240 U	< 19 U	< 11 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.091 U	< 0.32 U	< 0.098 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	--	--	< 1.8 U	--	< 1.4 U	< 1.5 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	--	--	< 7.4 U	--	< 5.4 U	< 6 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	--	--	< 150 U	--	< 110 U	< 120 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	--	--	< 150 U	--	< 110 U	< 120 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 9.1 UJ	< 32 UJ	< 9.8 UJ	< 12 UJ	< 12000 U	< 9.3 UJ	< 5.5 UJ
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	--	--	< 0.37 U	--	< 0.27 U	< 0.3 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	--	--	< 0.37 U	--	< 0.27 U	< 0.3 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	--	--	< 0.37 U	--	< 0.27 U	< 0.3 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	--	--	< 0.37 U	--	< 0.27 U	< 0.3 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Total Trihalomethanes	trans-1,2-Dichloroethene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	100	--	5	1000	80	100
					BCL	370	100	370	5	1000	--	100
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	220 J	190 J	180 J	< 100 U	< 80 U	< 205 U	< 80 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.032 UJ	< 0.1 UJ	< 0.037 UJ	25 J	1.6 J	7.7	< 0.1 UJ
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.053 U	< 0.079 U	< 0.039 U	15	0.77 J	< 0.3 U	< 0.089 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	32 J	2.1 J	< 0.3 U	< 0.081 UJ
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 8.5 U	< 4.2 U	< 11 U	13 J	< 7 U	15.9 U	< 8.1 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 8.5 U	< 4.2 U	< 11 U	10 J	< 7 U	26.3 U	< 8.1 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.05 U	< 0.13 U	< 0.12 U	0.35 J	34	1.6	< 0.08 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.05 U	< 0.13 U	< 0.12 U	0.33 J	27	1.4	< 0.08 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.032 U	< 0.1 U	< 0.037 U	< 0.17 U	< 0.1 U	0.4	< 0.1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.053 U	< 0.079 U	< 0.039 U	0.95 J	0.067 J	0.4	< 0.089 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.053 U	< 0.079 U	< 0.039 U	0.85 J	0.073 J	0.5	< 0.089 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.085 U	< 0.042 U	< 0.11 U	1 J+	0.092 J+	0.4	< 0.081 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	0.27 J	< 0.07 UJ	0.33	< 0.081 UJ
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.085 U	< 0.042 U	< 0.11 U	0.61 J	< 0.07 U	0.44	< 0.081 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.05 U	< 0.13 U	< 0.12 U	0.35 J	76	8.3	< 0.08 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.032 UJ	< 0.1 UJ	< 0.037 UJ	< 0.17 UJ	< 0.1 UJ	1	< 0.1 UJ
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.053 U	< 0.079 U	< 0.039 U	0.95 J+	< 0.029 U	< 0.3 U	< 0.089 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	1.2 J	0.084 J	0.8	< 0.081 UJ
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.085 U	< 0.042 U	< 0.11 U	0.51 J	< 0.07 U	1.2	< 0.081 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	0.73 J-	< 0.07 UJ	3.4	< 0.081 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.05 U	< 0.13 U	< 0.12 U	0.44 J	< 0.08 U	34	< 0.08 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.05 U	< 0.13 U	< 0.12 U	0.44 J	< 0.08 U	34	< 0.08 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.032 U	< 0.1 U	< 0.037 U	< 0.17 U	< 0.1 U	19	< 0.1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.032 U	< 0.1 U	< 0.037 U	< 0.17 U	< 0.1 U	19	< 0.1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.053 U	< 0.079 U	< 0.039 U	0.6 J+	< 0.029 U	52	< 0.089 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.085 U	< 0.042 U	< 0.11 U	0.082 J+	< 0.07 U	56	< 0.081 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.085 U	< 0.042 U	< 0.11 U	0.5 J	< 0.07 U	40.2	< 0.081 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.085 U	< 0.042 U	< 0.11 U	0.44 J	< 0.07 U	51.2	< 0.081 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 25 U	< 65 U	< 60 U	< 50 U	< 40 U	16085	< 40 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.032 UJ	< 0.1 UJ	< 0.037 UJ	750 J	25 J	6201	< 0.1 UJ
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.053 U	< 0.079 U	< 0.039 U	290	13	1401	< 0.089 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.053 U	< 0.079 U	< 0.039 U	290	13	1301	0.12
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	83 J+	27 J-	3102	< 0.081 UJ
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	96 J+	32 J	4002	0.094 J-
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 42 U	< 21 U	< 56 U	110 J	< 35 U	1163	< 40 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	1000 J	48 J	740	< 0.081 UJ
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.085 U	< 0.042 UJ	< 0.11 U	1600 J	68 J	800	0.11 J+
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.05 UJ-	< 0.13 UJ-	< 0.12 UJ-	< 200 UJ-	< 160 UJ-	210	< 0.08 UJ-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.032 UJ	< 0.1 UJ	< 0.037 UJ	15 J-	4.3 J-	43	0.21 J-
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.053 UJ	< 0.079 UJ	< 0.039 UJ	1.9 J	1.1 J	70	0.24 J
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	4.5 J	2.2 J	44	0.12 J
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 4.2 U	< 2.1 U	< 5.6 U	< 3.2 U	< 3.5 U	47.4	< 4 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	1.7 J-	1.5 J-	17.2	0.17 J-
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	1.8 J-	1.7 J-	16.2	0.22 J-
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.05 UJ-	< 0.13 UJ-	< 0.12 UJ-	0.39 J-	4.7 J-	10	< 0.08 UJ-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.032 UJ	< 0.1 UJ	< 0.037 UJ	< 0.17 UJ	0.16 J-	0.7	< 0.1 UJ
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	0.19	< 0.3 U	< 0.089 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	0.26 J+	< 0.3 U	< 0.081 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	< 0.065 UJ	< 0.1 UJ	0.26 UJ	< 0.081 UJ
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	< 0.065 UJ	0.12 J-	0.26 U	< 0.081 UJ
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 0.053 UJ	< 0.079 UJ	< 0.039 UJ	< 0.14 UJ	7.5 J	< 0.3 U	0.54 J
Shallow	Down-Gradient	H-21R	POSSM	N	07/16/09	< 12 U	< 10 U	< 11 U	< 16 U	< 18 U	< 71 U	< 15 U
Shallow	Down-Gradient	H-21R	POSSM	N	11/13/09	< 12 U	< 10 U	< 11 U	< 16 U	< 18 U	< 71 U	< 15 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.053 U	< 0.079 U	< 0.039 U	7.6	0.072	1.1	< 0.089 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.085 U	< 0.042 U	< 0.11 U	11 J-	< 0.07 U	1.1	< 0.081 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 0.85 U	< 0.42 U	< 1.1 U	9.9 J	< 0.7 U	2.4	< 0.81 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 0.85 U	< 0.42 U	< 1.1 U	9.7 J	< 0.7 U	2.5	< 0.81 U

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Total Trihalomethanes	trans-1,2-Dichloroethene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	100	--	5	1000	80	100
					BCL	370	100	370	5	1000	--	100
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	5.6 J	< 0.07 UJ	0.93	< 0.081 UJ
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	0.62	< 0.3 U	0.15
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	< 0.065 UJ	0.85 J	< 0.3 U	0.098 J
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	< 0.065 UJ	< 0.39 UJ	0.26 UJ	0.18 J
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	0.49 J	0.26 U	0.15 J
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.053 U	< 0.079 U	< 0.039 U	0.15	< 0.029 U	1.6	< 0.089 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	1.3	< 0.081 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.085 U	< 0.042 U	< 0.11 U	0.13 J	< 0.07 U	1.6	< 0.081 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.085 U	< 0.042 U	< 0.11 U	0.13 J	< 0.07 U	1.6	< 0.081 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.085 U	< 0.042 U	< 0.11 U	0.13 J	< 0.07 U	1.7	< 0.081 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.05 UJ-	< 0.13 UJ-	< 0.12 UJ-	< 100 UJ-	< 80 UJ-	8405	< 0.08 UJ-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	0.2 J	< 0.1 UJ	< 0.037 UJ	52 J	27 J	230	< 0.1 UJ
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.053 UJ	< 0.079 UJ	< 0.039 UJ	52 J	9.3 J	79	< 0.089 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	0.71 J	< 0.042 UJ	< 0.11 UJ	< 65 UJ	37 J	25	< 0.081 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	0.76 J	< 0.042 UJ	< 0.11 UJ	< 65 UJ	< 70 UJ	120	< 0.081 UJ
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 8.5 UJ	< 4.2 UJ	< 11 UJ	11 J	< 7 UJ	73	< 8.1 UJ
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 8.5 UJ	< 4.2 UJ	< 11 UJ	18 J-	< 7 UJ	86.9	< 8.1 UJ
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 12 U	< 32 U	< 30 U	< 25 U	< 20 U	4442	< 20 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.032 U	< 0.1 U	< 0.037 U	22 J+	3.4 J+	3602	< 0.1 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.053 U	< 0.079 U	< 0.039 U	17 J+	1.8 J+	5201	< 0.089 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.085 UJ	< 0.042 U	< 0.11 UJ	< 6.5 U	10 J+	4501	0.092 J
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 8.5 U	< 4.2 U	< 11 U	22 J	< 7 U	4213	< 8.1 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 8.5 U	< 4.2 U	< 11 U	9.8 J	< 7 U	4323	< 8.1 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 1.6 U	< 5 U	< 1.8 U	< 8.6 U	< 5 U	67.6	< 5 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 8.5 U	< 4.2 U	< 11 U	< 0.065 U	23 J	86.5	< 8.1 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.053 UJ	< 0.079 UJ	< 0.039 UJ	3.9 J	0.18 J	1801	0.16 J
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.085 UJ	< 0.042 U	< 0.11 UJ	3.9 J+	0.33 J+	7201	< 0.081 UJ
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 8.5 U	< 4.2 U	< 11 U	< 6.5 U	< 7 U	17013	< 8.1 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.085 UJ	< 0.042 U	< 0.11 UJ	13 J	0.44 J+	21001	0.14 J+
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	0.2 J	< 0.079 U	< 0.039 UJ	5.1	6.2	< 0.3 U	< 0.089 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	0.59 J	< 0.042 UJ	< 0.11 UJ	31 J	< 70 U	11	< 0.081 UJ
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 8.5 UJ	< 4.2 UJ	< 11 UJ	7.1 J-	< 7 UJ	19.4	< 8.1 UJ
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 17 U	< 8.4 U	< 22 U	< 13 U	< 14 U	52.5 U	< 16 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	5.8	< 0.081 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 1.2 U	< 1 U	< 1.1 U	2	5.9	86.8	< 1.5 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 5 U	< 4 U	< 4.4 U	< 6.4 U	< 7.2 U	42	< 6 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 100 U	< 80 U	< 88 U	< 130 U	< 140 U	65220	< 120 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 100 U	< 80 U	< 88 U	< 130 U	< 140 U	< 285 U	< 120 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 8.5 UJ	< 4.2 UJ	< 11 UJ	< 6.5 UJ	< 7 UJ	33013	< 8.1 UJ
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 0.25 U	< 0.2 U	< 0.22 U	< 0.32 U	0.41	< 0.72 U	< 0.3 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 0.25 U	< 0.2 U	< 0.22 U	< 0.32 U	0.36	< 0.72 U	< 0.3 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 0.25 U	< 0.2 U	< 0.22 U	< 0.32 U	< 0.36 U	< 0.72 U	< 0.3 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 0.25 U	< 0.2 U	< 0.22 U	< 0.32 U	0.44	< 0.72 U	< 0.3 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Vinyl acetate	Vinyl chloride	Xylenes (total)
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	5	--	--	2	10000
					BCL	--	5	9890	16200	2	10000
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 70 U	< 130 U	< 70 U	< 200 U	< 70 U	430 J
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.085 UJ	1.4 J	< 0.1 UJ	< 0.72 UJ	< 0.044 UJ	< 0.3 UJ
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.08 U	1.7	< 0.1 U	< 0.22 U	1.6 J	< 1.6 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.23 UJ	1.9 J	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	< 0.22 UJ
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 23 U	< 9.1 U	< 11 U	< 23 U	< 9.1 U	< 22 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 23 U	< 9.1 U	< 11 U	< 23 U	< 9.1 U	< 22 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.07 U	< 0.13 U	< 0.07 U	< 0.2 U	< 0.07 U	< 0.13 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.07 U	< 0.13 U	< 0.07 U	< 0.2 U	< 0.07 U	< 0.13 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.085 U	1.5	< 0.1 U	< 0.72 U	< 0.044 U	< 0.3 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.08 U	1.4	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.08 U	1.4	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.23 U	1.2 J+	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.23 UJ	0.96 J-	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	< 0.22 UJ
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.23 U	1.1	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.07 U	< 0.13 U	< 0.07 U	< 0.2 U	< 0.07 U	< 0.13 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.085 UJ	0.39 J	< 0.1 UJ	< 0.72 UJ	< 0.044 UJ	< 0.3 UJ
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.08 U	0.34 J-	< 0.1 U	< 0.22 UJ	< 0.13 U	< 1.6 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.23 UJ	0.44 J	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	< 0.22 UJ
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.23 U	0.33 J	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.23 UJ	0.45 J-	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	< 0.22 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.07 U	< 0.13 U	< 0.07 U	< 0.2 U	< 0.07 U	< 0.13 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.07 U	< 0.13 U	< 0.07 U	< 0.2 U	< 0.07 U	< 0.13 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.085 U	< 0.1 U	< 0.1 U	< 0.72 U	< 0.044 U	< 0.3 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.085 U	0.19 J	< 0.1 U	< 0.72 U	< 0.044 U	< 0.3 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.08 U	0.19 J+	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.23 U	0.099 J	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 35 U	< 65 U	< 35 U	< 100 U	< 35 U	< 65 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.085 UJ	5.7 J	< 0.1 UJ	< 0.72 UJ	0.71 J	1.3 J
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.08 U	11	< 0.1 U	< 0.22 U	0.55	< 1.6 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.08 U	11	< 0.1 U	< 0.22 U	1.2	< 1.6 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.23 UJ	4.2 J-	< 0.11 UJ	< 0.23 UJ	0.75 J-	1.3 J-
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.23 UJ	3.9 J-	< 0.11 UJ	< 0.23 UJ	0.92 J-	1.4 J
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 110 U	< 46 U	< 54 U	< 120 U	< 46 U	< 110 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.23 UJ	11 J	< 0.11 UJ	< 0.23 UJ	0.71 J	2.9 J
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.23 UJ	9.7 J+	< 0.11 U	< 0.23 U	0.94 J+	3.9 J
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.07 UJ-	5.1 J-	< 0.07 UJ-	< 0.2 UJ-	< 0.07 UJ-	< 0.13 UJ-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.085 UJ	23 J-	< 0.1 UJ	< 0.72 UJ	0.32 J-	< 0.3 UJ
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.08 UJ	22 J	< 0.1 UJ	< 0.22 UJ	0.21 J	< 1.6 UJ
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.23 UJ	11 J	< 0.11 UJ	< 0.23 UJ	0.2 J	< 0.22 UJ
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 11 U	10 J	< 5.4 U	< 12 U	< 4.6 U	< 11 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.23 UJ	13 J-	< 11 U	< 0.23 UJ	0.24 J-	< 0.22 UJ
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.23 UJ	14 J-	< 11 U	< 0.23 UJ	0.27 J-	< 0.22 UJ
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.07 UJ-	39 J-	< 0.07 UJ-	< 0.2 UJ-	0.34 J-	< 0.13 UJ-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.085 UJ	29 J-	< 0.1 UJ	< 0.72 UJ	< 0.044 UJ	< 0.3 UJ
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.08 U	6.8	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.23 U	5.8 J+	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.23 UJ	4.4 J-	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	< 0.22 UJ
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.23 UJ	5.4 J-	< 0.11 UJ	< 0.23 UJ	0.095 J-	< 0.22 UJ
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 0.08 UJ	47 J	< 0.1 UJ	< 0.22 UJ	0.82 J	< 1.6 UJ
Shallow	Down-Gradient	H-21R	POSSM	N	07/16/09	< 16 U	< 13 U	< 17 U	--	< 20 U	< 45 U
Shallow	Down-Gradient	H-21R	POSSM	N	11/13/09	< 16 U	34	< 17 U	--	< 20 U	< 45 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.08 U	5.8	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.23 U	6.6 J+	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 2.3 U	5.2 J	< 1.1 U	< 2.3 U	< 0.91 U	< 2.2 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 2.3 U	5.2 J	< 1.1 U	< 2.3 U	< 0.91 U	< 2.2 U

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Vinyl acetate	Vinyl chloride	Xylenes (total)
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	5	--	--	2	10000
					BCL	--	5	9890	16200	2	10000
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.23 UJ	5.1 J-	< 2.2 U	< 0.23 UJ	< 0.091 UJ	< 0.22 UJ
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 0.08 U	110	< 0.1 U	< 0.22 U	0.54	< 1.6 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.23 UJ	63	< 0.11 UJ	< 0.23 UJ	0.42 J	< 0.22 UJ
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.23 UJ	82 J	< 0.11 UJ	< 0.23 UJ	0.66 J	< 0.22 UJ
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.23 U	97 J	< 0.11 U	< 0.23 U	0.5 J	< 0.22 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.07 UJ-	1.1 J-	< 0.07 UJ-	< 0.2 UJ-	2.9 J-	< 0.13 UJ-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.085 UJ	1.4 J	< 0.1 UJ	< 0.72 UJ	< 0.044 UJ	2.3 J
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.08 UJ	2.3 J	< 0.1 UJ	< 22 UJ	0.7 J	< 1.6 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.23 UJ	2 J	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	3.4 J
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.23 UJ	1.9 J	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	4.3 J
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 23 UJ	< 9.1 UJ	< 11 UJ	< 23 UJ	< 9.1 UJ	< 22 UJ
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 23 UJ	< 9.1 UJ	< 11 UJ	< 23 UJ	< 9.1 UJ	< 22 UJ
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 18 U	< 32 U	< 18 U	< 50 U	< 18 U	< 32 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.085 U	2 J+	< 0.1 U	< 0.72 U	0.71 J+	< 0.3 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.08 U	2.2 J+	< 0.1 U	< 22 U	1.1 J+	< 1.6 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.23 U	2.1 J	< 0.11 UJ	< 0.23 UJ	0.63 J	0.4 J+
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 23 U	< 9.1 U	< 11 U	< 23 U	< 9.1 U	< 22 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 23 U	< 9.1 U	< 11 U	< 23 U	< 9.1 U	< 22 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 4.2 U	< 5 U	--	< 36 U	< 2.2 U	< 15 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 23 U	< 9.1 U	< 11 U	< 23 U	< 9.1 U	< 22 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.08 UJ	< 0.11 UJ	< 0.1 UJ	< 0.22 UJ	0.56 J	< 1.6 UJ
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.23 U	0.16 J	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	< 0.22 U
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 23 U	< 9.1 U	< 11 U	< 23 U	< 9.1 U	< 22 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.23 U	0.28 J+	< 0.11 U	< 0.23 U	0.7 J+	< 0.22 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	0.18 J	< 1.6 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.23 UJ	1.3 J	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	3 J
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 23 UJ	< 9.1 UJ	< 11 UJ	< 23 UJ	< 9.1 UJ	< 22 UJ
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 45 U	< 18 UJ	< 22 U	< 46 U	< 18 U	< 45 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 1.6 U	4.3	< 1.7 U	--	< 2 U	< 4.5 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 6.4 U	< 5.2 U	< 6.8 U	--	< 8 U	< 18 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 130 U	< 100 U	< 140 U	--	< 160 U	< 360 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 130 U	< 100 U	< 140 U	--	< 160 U	< 360 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 23 UJ	16 J-	< 11 UJ	< 23 UJ	< 9.1 UJ	< 22 UJ
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 0.32 U	< 0.26 U	< 0.34 U	--	< 0.4 U	< 0.9 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 0.32 U	< 0.26 U	< 0.34 U	--	< 0.4 U	< 0.9 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 0.32 U	< 0.26 U	< 0.34 U	--	< 0.4 U	< 0.9 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 0.32 U	0.32	< 0.34 U	--	< 0.4 U	< 0.9 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	1,2,4,5-Tetrachloro-benzene	1,2-Diphenylhydrazine	1,4-Dioxane	2,2'-/4,4'-Dichlorobenzil	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	11	0.084	6.1	10.95	3650	6.1
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 0.4 U	--	--	< 10 U	< 1.4 U	24
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 2 U	< 10 U	< 2 U	21
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 0.96 U	< 3.2 U	< 0.96 U	34.2
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 1.9 U	< 1.9 U	< 0.94 U	< 3.1 U	< 0.94 U	32.5
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 8.26 U	< 8.26 U	1.46 J+	< 8.26 U	< 8.26 U	37.2
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 1.9 U	< 1.9 U	1.18 J	< 3.14 U	29.6	< 1.9 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.4 U	--	--	< 10 U	< 2.4 U	< 2.4 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.4 U	--	--	< 10 U	< 2.4 U	< 2.4 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 2 U	< 13 U	< 2 U	< 2 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 0.96 U	< 3.2 U	< 0.96 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 1.9 U	< 0.96 U	< 3.2 U	< 0.96 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 1.6 U	< 0.79 U	< 2.6 U	< 0.79 U	< 1.6 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 1.9 U	< 1.9 U	< 0.952 U	< 3.14 U	< 0.952 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.4 U	--	--	< 10 U	< 2.4 U	< 2.4 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 2 U	< 9.5 U	< 2 U	< 2 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 1.8 U	< 0.88 U	< 2.9 U	< 0.88 U	< 1.8 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 1.9 U	< 0.95 U	< 3.1 U	< 0.95 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 1.79 U	< 1.79 U	< 0.893 U	< 2.95 U	< 0.893 U	< 1.79 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.4 U	--	--	< 10 U	< 2.4 U	< 2.4 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.4 U	--	--	< 10 U	< 2.4 U	< 2.4 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 10 U	< 2 UJ	< 2 UJ
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 2 U	< 10 U	< 2 UJ	< 2 UJ
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 1.9 U	< 0.96 U	< 3.2 U	< 0.96 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 0.94 U	< 3.1 U	< 0.94 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 9.43 U	< 9.43 U	1.03 J+	< 9.43 U	< 9.43 U	14.1
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 2 U	< 2 U	< 1 U	< 3.3 U	< 1 U	< 2 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 0.4 U	--	--	< 11 U	3.3 J	5.6 J
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	6.5 J	< 10 U	2.4 J-	5.8 J-
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.9 U	< 1.9 U	2.28 J	< 3.1 U	2.79 J	2.61 J
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 7.6 U	< 7.6 U	< 3.8 U	< 13 U	< 3.8 U	< 7.6 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 1.7 U	< 1.7 U	4.5 J	< 2.9 U	3.04 J	4.18 J
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	4.22 J	< 2 U	6.08 J	< 3.2 U	3.53 J	4.01 J
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 37.7 U	< 37.7 U	7.04 J+	< 37.7 U	3.88 J	< 37.7 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 19.2 U	< 19.2 U	< 9.62 U	< 31.7 U	< 9.62 U	< 19.2 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 38.1 U	< 38.1 U	< 19 U	< 62.9 U	< 19 U	< 38.1 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.4 U	--	--	< 50 U	37	4.5 J
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 10 U	2.7 J	< 2 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	< 2 U	< 1 U	< 3.3 U	1.2 J	< 2 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	3.07 J	< 1.9 U	1.31 J	< 3.2 U	< 0.97 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 9.43 U	< 9.43 U	1.61 J+	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 1.89 U	< 1.89 U	< 0.943 UJ	< 3.11 U	1.17 J	< 1.89 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 1.92 U	< 1.92 U	< 0.962 UJ	< 3.17 U	1.16 J	< 1.92 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.4 U	--	--	< 10 U	< 1.4 U	< 1.5 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 10 U	< 2 U	< 2 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 0.94 U	< 3.1 U	< 0.94 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 0.96 U	< 3.2 U	< 0.96 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 9.52 U	< 9.52 U	< 9.52 U	< 9.52 U	< 9.52 U	< 9.52 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 1.9 U	< 1.9 U	< 0.952 U	< 3.14 U	< 0.952 U	< 1.9 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 1.9 U	< 0.95 U	< 3.1 U	1.23 J	< 1.9 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 38.5 U	< 38.5 U	< 19.2 U	< 63.5 U	< 19.2 U	< 38.5 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 0.95 U	< 3.1 U	< 0.95 U	< 1.9 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 0.97 U	< 3.2 U	< 0.97 U	< 1.9 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 1.94 U	< 1.94 U	< 0.971 UJ	< 3.2 U	< 0.971 U	< 1.94 U

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	1,2,4,5-Tetrachloro-benzene	1,2-Diphenylhydrazine	1,4-Dioxane	2,2'-/4,4'-Dichlorobenzil	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	11	0.084	6.1	10.95	3650	6.1
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 0.95 U	< 3.1 U	< 0.95 U	< 1.9 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 0.97 U	< 3.2 U	< 0.97 U	< 1.9 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 1.69 U	< 1.69 U	< 0.847 U	< 2.8 U	< 0.847 U	< 1.69 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 1.9 U	< 0.95 U	< 3.1 U	< 0.95 U	< 1.9 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 0.94 U	< 3.1 U	< 0.94 U	< 1.9 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 2 U	< 2 U	< 1 U	< 3.3 U	< 1 U	< 2 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	2.3 J	--	--	< 10 U	< 2.4 U	< 2.4 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	1.8 J	< 1 U	4.7 J	< 50 U	< 2 U	< 2 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 20 U	< 9.8 U	< 32 U	< 9.8 U	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 76 U	< 38 U	< 126 U	< 38 U	< 76 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 76 U	< 38 U	< 126 U	< 38 U	< 76 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 177 U	< 177 U	< 177 U	< 177 U	< 177 U	< 177 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 75.5 U	< 75.5 U	< 37.7 U	< 125 U	< 37.7 U	< 75.5 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 0.4 U	--	--	< 10 U	< 1.4 U	2.5 J
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 2 U	< 9.5 U	< 2 U	5.2 J
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 1.9 U	< 1.9 U	< 0.97 U	< 3.2 U	< 0.97 U	6.96 J
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1.8 U	< 1.8 U	1.23 J	< 3 U	3.66 J	< 1.8 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U	1.34 J	< 9.71 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 20 U	< 20 U	< 10 U	< 33 U	< 10 U	< 20 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 10 U	< 2 U	< 2 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 2 U	< 2 U	< 1 U	< 3.3 U	< 1 U	< 2 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 19 U	< 19 U	< 9.5 U	< 31 U	< 9.5 U	20.3 J
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 1.92 U	< 1.92 U	1.36 J+	< 3.17 U	< 0.962 U	13.6
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	28.5 J	< 19 U	< 9.5 U	< 31 U	< 9.5 U	< 19 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	82.4 J	< 385 U	< 385 U	< 385 U	< 385 U	< 385 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 38.1 U	< 38.1 U	< 19 U	< 62.9 U	< 19 U	< 38.1 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 1.9 U	< 1.9 U	< 0.952 U	< 3.14 U	< 0.952 U	< 1.9 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	< 2.4 U	--	--	< 2.8 U	< 4.3 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	< 2.4 U	--	--	< 2.9 U	< 4.3 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	< 2.4 U	--	--	< 2.9 U	37
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	< 2.4 U	--	--	3.5	< 4.3 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 200 U	< 200 U	< 100 U	< 330 U	< 100 U	< 200 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	< 2.4 U	--	--	< 2.9 U	< 4.3 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	< 2.4 U	--	--	< 2.8 U	< 4.2 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	< 24 U	--	--	< 28 U	< 42 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	< 2.4 U	--	--	< 2.9 U	< 4.4 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	110	730	73	0.22	37	2920
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	36	< 1.6 U	< 6.7 U	< 1.8 U	< 1.7 U	< 1.8 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	32	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	65.7	< 1.9 U	< 9.6 U	< 1.9 U	< 1.9 U	2.66
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	54.9	< 1.9 UJ	< 9.4 U	< 1.9 U	< 1.9 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	51	< 8.26 U	< 16.5 U	< 8.26 U	< 8.26 U	2.71
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	52.3	< 1.9 U	< 9.52 U	< 1.9 U	< 1.9 U	2.42
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.91 U	< 1 UJ-	< 6.7 U	< 4 UJ-	< 3 UJ-	< 1 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.91 U	< 1 UJ-	< 6.7 U	< 4 UJ-	< 3 UJ-	< 1 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 9.6 U	< 1.9 U	< 1.9 U	< 0.34 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 1.9 U	< 9.6 U	< 1.9 U	< 1.9 U	< 0.34 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 1.6 UJ	< 7.9 U	< 1.6 U	< 1.6 U	< 0.28 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 9.43 U	< 9.43 U	< 18.9 U	< 9.43 U	< 9.43 U	< 0.943 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 1.9 U	< 1.9 U	< 9.52 U	< 1.9 U	< 1.9 U	< 0.333 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.91 U	< 1 U	< 6.7 U	< 4 U	< 3 U	< 1 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 1.8 U	< 8.8 U	< 1.8 U	< 1.8 U	< 0.31 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 1.9 UJ	< 9.5 U	< 1.9 U	< 1.9 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 8.93 U	< 8.93 U	< 17.9 U	< 8.93 U	< 8.93 U	< 0.893 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 1.79 U	< 1.79 U	< 8.93 U	< 1.79 U	< 1.79 U	< 0.313 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.91 U	< 1 U	< 6.7 U	< 4 UJ-	< 3 UJ-	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.91 U	< 1 U	< 6.7 U	< 4 UJ-	< 3 UJ-	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 UJ	< 1 UJ	< 10 UJ	< 1.1 U	< 1.1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 UJ	< 1 UJ	< 10 UJ	< 1.1 U	< 1.1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 1.9 U	< 9.6 U	< 1.9 U	< 1.9 U	< 0.34 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 9.4 U	< 1.9 U	< 1.9 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	41.6	< 9.43 U	< 18.9 U	< 9.43 U	< 9.43 U	< 0.943 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 0.35 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	15	< 1.6 U	< 6.7 U	< 1.8 U	< 1.7 U	< 1.8 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	21 J-	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	15.4	< 1.9 U	< 9.5 U	< 1.9 U	< 1.9 U	2.98
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	20 J	< 7.6 U	< 38 U	< 7.6 U	< 7.6 U	< 1.3 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	21.6	< 1.7 U	< 8.7 U	< 1.7 U	< 1.7 U	< 0.3 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	23.2	< 2 U	< 9.8 U	< 2 U	< 2 U	< 0.34 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	15.8 J	< 37.7 U	< 75.5 UJ	< 37.7 U	< 37.7 U	< 3.77 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 19.2 U	< 19.2 U	< 96.2 U	< 19.2 U	< 19.2 U	< 3.37 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 38.1 U	< 38.1 U	< 190 U	< 38.1 U	< 38.1 U	< 6.67 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	220 J-	< 1.6 U	< 6.7 U	< 1.8 U	< 1.7 U	< 1.8 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	8.6 J-	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	3 J	< 2 U	< 10 U	< 2 U	< 2 U	< 0.35 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	2.12 J	< 1.9 U	< 9.7 U	< 1.9 U	< 1.9 U	< 0.34 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	1.92 J	< 9.43 U	< 18.9 U	< 9.43 U	< 9.43 U	< 0.943 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	2.31 J	< 1.89 U	< 9.43 U	< 1.89 U	< 1.89 U	< 0.33 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	2.37 J	< 1.92 U	< 9.62 U	< 1.92 U	< 1.92 U	< 0.337 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	5.4 J	< 1.6 U	< 6.7 U	< 1.8 U	< 1.7 U	< 1.8 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	1.5 J-	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 9.4 U	< 1.9 U	< 1.9 U	< 0.33 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 9.6 U	< 1.9 U	< 1.9 U	< 0.34 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 9.52 U	< 9.52 U	< 19 U	< 9.52 U	< 9.52 U	< 0.952 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 1.9 U	< 1.9 U	< 9.52 U	< 1.9 U	< 1.9 U	< 0.333 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 1.9 U	< 9.5 U	< 1.9 U	< 1.9 U	< 0.33 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 38.5 U	< 38.5 U	< 192 U	< 38.5 U	< 38.5 U	< 6.73 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 9.5 U	< 1.9 U	< 1.9 U	< 0.33 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 9.7 U	< 1.9 U	< 1.9 U	< 0.34 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 18.9 UJ	< 9.43 U	< 9.43 U	< 0.943 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 9.43 U	< 9.43 U	< 18.9 U	< 9.43 U	< 9.43 U	< 0.943 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 1.94 U	< 1.94 U	< 9.71 U	< 1.94 U	< 1.94 U	< 0.34 U

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 22)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	110	730	73	0.22	37	2920
Shallow	Down-Gradient	H-43	55a	N	01/27/09	5.15 J	< 1.9 U	< 9.5 U	< 1.9 U	< 1.9 U	< 0.33 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	4.23 J	< 1.9 U	< 9.7 U	< 1.9 U	< 1.9 U	< 0.34 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	5.18 J	< 9.62 U	< 19.2 U	< 9.62 U	< 9.62 U	< 0.962 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	4.72 J	< 1.69 U	< 8.47 U	< 1.69 U	< 1.69 U	< 0.297 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 1.9 U	< 9.5 U	< 1.9 U	< 1.9 U	< 0.33 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 9.4 U	< 1.9 U	< 1.9 U	< 0.33 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 9.62 U	< 9.62 U	< 19.2 U	< 9.62 U	< 9.62 U	< 0.962 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 9.43 U	< 9.43 U	< 18.9 U	< 9.43 U	< 9.43 U	< 0.943 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 0.35 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	12	< 1 U	< 6.7 U	< 4 U	< 3 U	< 1 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	18	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	26.9 J	< 20 U	< 98 U	< 20 U	< 20 U	< 3.4 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 76 U	< 381 U	< 76 U	< 76 U	< 13 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 76 U	< 381 U	< 76 U	< 76 U	< 13 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 177 U	< 177 U	< 354 U	< 177 U	< 177 U	< 17.7 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 75.5 U	< 75.5 U	< 377 U	< 75.5 U	< 75.5 U	< 13.2 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	5 J	< 1.6 U	< 6.7 U	< 1.8 U	< 1.7 U	< 1.8 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	11	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	17	< 1.9 U	< 9.7 U	< 1.9 U	< 1.9 U	< 0.34 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	12.9	< 1.8 U	< 8.9 U	< 1.8 U	< 1.8 U	< 0.31 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	13.1	< 9.71 U	< 19.4 U	< 9.71 U	< 9.71 U	< 0.971 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 20 U	< 20 U	< 100 U	< 20 U	< 20 U	< 3.5 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 1 U	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 2 U	< 2 U	< 10 UJ	< 2 U	< 2 U	< 0.35 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	78.8 J	< 19 U	< 95 U	< 19 U	< 19 U	< 3.3 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	35.8	< 1.92 U	< 9.62 U	< 1.92 U	< 1.92 U	2.83
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 19 U	< 19 U	< 95 U	< 19 U	< 19 U	< 3.3 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 385 U	< 385 U	< 769 U	< 385 U	< 385 U	< 38.5 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 38.1 U	< 38.1 U	< 190 U	< 38.1 U	< 38.1 U	< 6.67 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 1.9 U	< 1.9 U	< 9.52 UJ	< 1.9 U	< 1.9 U	< 0.333 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 3.3 U	< 3.3 U	< 7.6 U	< 3.3 U	< 1.9 U	< 2.8 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 3.3 U	< 3.3 U	< 7.6 U	< 3.3 U	< 1.9 U	< 2.9 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	18	< 3.3 U	< 7.6 U	< 3.3 U	< 1.9 U	< 2.9 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 3.3 U	< 3.3 U	< 7.6 U	< 3.3 U	< 1.9 U	< 2.8 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 200 U	< 200 U	< 1000 U	< 200 U	< 200 U	< 35 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 3.4 U	< 3.4 U	< 7.7 U	< 3.4 U	< 1.9 U	< 2.9 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 3.3 U	< 3.3 U	< 7.5 U	< 3.3 U	< 1.9 U	< 2.8 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 33 U	< 33 U	< 75 U	< 33 U	< 19 U	< 28 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 3.4 U	< 3.4 U	< 7.8 U	< 3.4 U	< 1.9 U	< 2.9 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 5 of 22)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Nitroaniline	2-Nitrophenol	3,3-Dichlorobenzidine	3-Nitroaniline
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	180	--	110	--	0.15	--
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	54	< 2.2 U	< 1.7 U	< 1.6 U	< 2.4 UJ-	< 1.7 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	30	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	35.9	< 0.29 U	< 1.9 U	< 1.9 U	< 0.96 U	< 1.9 UJ
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	43.5	< 0.28 U	< 1.9 U	< 1.9 U	< 0.94 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	40	< 0.826 U	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	37.9	< 0.286 U	< 1.9 U	< 1.9 U	< 0.952 U	< 1.9 UJ
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	10 J-	< 1.1 U	< 0.71 U	< 1.9 U	< 2.6 U	< 0.85 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	9 J-	< 1.1 U	< 0.71 U	< 1.9 U	< 2.6 U	< 0.85 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.96 U	< 1.9 UJ
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.96 U	< 1.9 UJ
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 0.24 U	< 1.6 U	< 1.6 U	< 0.79 U	< 1.6 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 9.43 U	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 1.9 U	< 0.286 U	< 1.9 U	< 1.9 U	< 0.952 U	< 1.9 UJ
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.92 U	< 1.1 U	< 0.71 U	< 1.9 U	< 2.6 U	< 0.85 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 0.27 U	< 1.8 U	< 1.8 U	< 0.88 U	< 1.8 UJ
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.95 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 8.93 U	< 0.893 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 1.79 U	< 0.268 U	< 1.79 U	< 1.79 U	< 0.893 U	< 1.79 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.92 U	< 1.1 U	< 0.71 U	< 1.9 U	< 2.6 U	< 0.85 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.92 U	< 1.1 U	< 0.71 U	< 1.9 U	< 2.6 U	< 0.85 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 UJ	< 1 U	< 2 U	< 1 UJ	< 1 U	< 1.1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 UJ	< 1 U	< 2 U	< 1 UJ	< 1 U	< 1.1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.96 U	< 1.9 UJ
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 0.28 U	< 1.9 U	< 1.9 U	< 0.94 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	16.2	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 2 U	< 0.3 U	< 2 U	< 2 U	< 1 U	< 2 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	28	< 2.2 U	< 1.7 U	< 1.6 U	< 2.4 U	< 1.7 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	36	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	15.9	< 0.29 U	< 1.9 U	< 1.9 U	< 0.95 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	25.9 J	< 1.1 U	< 7.6 U	< 7.6 U	< 3.8 U	< 7.6 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	23.6	0.296 J	< 1.7 U	< 1.7 U	< 0.87 U	< 1.7 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	26.2	< 0.29 U	< 2 U	< 2 U	< 0.98 U	< 2 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	28.2 J	< 3.77 U	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	29.6 J	< 2.88 U	< 19.2 U	< 19.2 U	< 9.62 U	< 19.2 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 38.1 U	< 5.71 U	< 38.1 U	< 38.1 U	< 19 U	< 38.1 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	590 J-	< 2.2 U	< 1.7 U	< 1.6 U	< 2.4 U	< 1.7 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	0.651 J	< 2 U	< 2 U	< 1 U	< 2 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.9 U	0.508 J	< 1.9 U	< 1.9 U	< 0.97 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 9.43 U	0.452 J	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 1.89 U	0.654 J	< 1.89 U	< 1.89 U	< 0.943 U	< 1.89 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 1.92 U	0.628 J	< 1.92 U	< 1.92 U	< 0.962 U	< 1.92 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.6 U	< 2.2 U	< 1.7 U	< 1.6 U	< 2.4 U	< 1.7 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 0.28 U	< 1.9 U	< 1.9 U	< 0.94 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.96 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 9.52 U	< 0.952 U	< 9.52 U	< 9.52 U	< 9.52 U	< 9.52 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 1.9 U	< 0.286 U	< 1.9 U	< 1.9 U	< 0.952 U	< 1.9 UJ
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.95 U	< 1.9 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 38.5 U	< 5.77 U	< 38.5 U	< 38.5 U	< 19.2 U	< 38.5 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.95 U	< 1.9 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.97 U	< 1.9 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 9.43 U	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 9.43 U	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 1.94 U	< 0.291 U	< 1.94 U	< 1.94 U	< 0.971 U	< 1.94 U

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 6 of 22)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Nitroaniline	2-Nitrophenol	3,3-Dichlorobenzidine	3-Nitroaniline
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	180	--	110	--	0.15	--
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.95 U	< 1.9 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.97 U	< 1.9 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 9.62 U	< 0.962 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 1.69 U	< 0.254 U	< 1.69 U	< 1.69 U	< 0.847 U	< 1.69 UJ
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.95 U	< 1.9 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 0.28 U	< 1.9 U	< 1.9 U	< 0.94 U	< 1.9 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 9.62 U	< 0.962 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 9.43 U	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 2 U	< 0.3 U	< 2 U	< 2 U	< 1 U	< 2 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	4 J	< 1.1 U	< 0.71 U	< 1.9 U	< 2.6 U	< 0.85 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	3.9 J	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 2.9 U	< 20 U	< 20 U	< 9.8 U	< 20 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 11 U	< 76 U	< 76 U	< 38 U	< 76 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 11 U	< 76 U	< 76 U	< 38 U	< 76 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 177 U	< 17.7 U	< 177 U	< 177 U	< 177 U	< 177 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 75.5 U	< 11.3 U	< 75.5 U	< 75.5 U	< 37.7 U	< 75.5 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	63	< 2.2 U	< 1.7 U	< 1.6 U	< 2.4 U	< 1.7 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	79	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	77.4	< 0.29 U	< 1.9 U	< 1.9 U	< 0.97 U	< 1.9 UJ
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	79.4	< 0.27 U	< 1.8 U	< 1.8 U	< 0.89 U	< 1.8 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	66.1	< 0.971 U	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	64.4 J	< 3 U	< 20 U	< 20 U	< 10 U	< 20 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	4.11 J	< 0.3 U	< 2 U	< 2 U	< 1 U	< 2 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	23.8 J	< 2.9 U	< 19 U	< 19 U	< 9.5 U	< 19 UJ
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	15.1	< 0.288 U	< 1.92 U	< 1.92 U	< 0.962 U	< 1.92 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	21.9 J	3.45 J	< 19 U	< 19 U	< 9.5 U	< 19 UJ
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 385 U	< 38.5 U	< 385 U	< 385 U	< 385 U	< 385 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 38.1 U	< 5.71 U	< 38.1 U	< 38.1 U	< 19 U	< 38.1 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 1.9 U	< 0.286 U	< 1.9 U	< 1.9 U	< 0.952 U	< 1.9 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 2.8 U	< 1.9 U	< 1.9 U	< 3.3 U	< 7.1 U	< 2.8 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 2.9 U	< 1.9 U	< 1.9 U	< 3.3 U	< 7.1 U	< 2.9 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	130	< 1.9 U	< 1.9 U	< 3.3 U	< 7.1 U	< 2.9 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	12	< 1.9 U	< 1.9 U	< 3.3 U	< 7.1 U	< 2.8 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 200 U	< 30 U	< 200 U	< 200 U	< 100 U	< 200 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 2.9 U	< 1.9 U	< 1.9 U	< 3.4 U	< 7.2 U	< 2.9 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 2.8 U	< 1.9 U	< 1.9 U	< 3.3 U	< 7.1 U	< 2.8 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 28 U	< 19 U	< 19 U	< 33 U	< 71 U	< 28 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 2.9 U	< 1.9 U	< 1.9 U	< 3.4 U	< 7.3 U	< 2.9 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 7 of 22)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Chlorothioanisole	4-Nitroaniline	4-Nitrophenol
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	--	--	--	--	--	290
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 1.9 U	< 1.6 U	< 2 U	< 10000 U	< 1.9 UJ-	< 3.2 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 UJ	< 1.9 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.8 U	< 1.9 UJ
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 UJ	< 8.26 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.14 U	< 2.86 UJ	< 1.9 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1 UJ-	< 0.87 UJ-	< 1.1 UJ-	< 10 U	< 0.84 U	< 3.2 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1 UJ-	< 0.87 UJ-	< 1.1 UJ-	< 10 U	< 0.84 U	< 3.2 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 UJ	< 1.9 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 UJ	< 1.9 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 1.6 U	< 1.6 U	< 2.6 U	< 2.4 U	< 1.6 UJ
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 UJ	< 9.43 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.14 U	< 2.86 UJ	< 1.9 UJ
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1 UJ-	< 0.87 U	< 1.1 UJ-	< 10 U	< 0.84 U	< 3.2 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 1.8 U	< 1.8 U	< 2.9 U	< 2.7 UJ	< 1.8 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.9 U	< 1.9 UJ
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 1.79 U	< 1.79 U	< 1.79 U	< 2.95 U	< 2.68 UJ	< 1.79 UJ
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1 UJ-	< 0.87 U	< 1.1 UJ-	< 10 U	< 0.84 U	< 3.2 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1 UJ-	< 0.87 U	< 1.1 UJ-	< 10 U	< 0.84 U	< 3.2 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 UJ	< 1 U	< 19 U	< 1.3 U	< 5 UJ
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 UJ	< 1 U	< 19 U	< 1.3 U	< 5 UJ
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 UJ	< 1.9 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.8 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 UJ	< 9.43 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 2 U	< 2 U	< 2 U	< 3.3 U	< 3 U	< 2 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 1.9 U	< 1.6 U	< 2 U	< 5000 U	< 1.9 U	< 3.2 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.9 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 7.6 U	< 7.6 U	< 7.6 U	< 13 U	< 11 U	< 7.6 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 1.7 U	< 1.7 U	< 1.7 U	< 2.9 U	< 2.6 U	< 1.7 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 2 U	< 2 U	< 2 U	< 3.2 U	< 2.9 U	< 2 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 19.2 U	< 19.2 U	< 19.2 U	< 31.7 U	< 28.8 U	< 19.2 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 38.1 U	< 38.1 U	< 38.1 U	< 62.9 U	< 57.1 U	< 38.1 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 1.9 U	< 1.6 U	< 2 U	< 10 UJ-	< 1.9 U	< 3.2 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	< 2 U	< 2 U	< 3.3 U	< 3 U	< 2 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 1.9 U	6.89 J	< 2.9 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 9.43 U	< 9.43 U	< 9.43 U	5.96 J	< 9.43 UJ	< 9.43 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 1.89 U	< 1.89 U	< 1.89 U	3.72 J	< 2.83 U	< 1.89 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 1.92 U	< 1.92 U	< 1.92 U	3.45 J	< 2.88 U	< 1.92 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.9 U	< 1.6 U	< 2 U	< 10 UJ-	< 1.9 U	< 3.2 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.8 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 9.52 U	< 9.52 U	< 9.52 U	< 9.52 U	< 9.52 UJ	< 9.52 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.14 U	< 2.86 UJ	< 1.9 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.9 U	< 1.9 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 38.5 U	< 38.5 U	< 38.5 U	< 63.5 U	< 57.7 U	< 38.5 UJ
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.9 U	< 1.9 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 U	< 1.9 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 UJ	< 9.43 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 1.94 U	< 1.94 U	< 1.94 U	< 3.2 U	< 2.91 U	< 1.94 U

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Chlorothioanisole	4-Nitroaniline	4-Nitrophenol
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	--	--	--	--	--	290
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.9 U	< 1.9 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 U	< 1.9 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 UJ	< 9.62 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 1.69 U	< 1.69 U	< 1.69 U	< 2.8 U	< 2.54 UJ	< 1.69 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.9 U	< 1.9 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.8 U	< 1.9 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 2 U	< 2 U	< 2 U	< 3.3 U	< 3 U	< 2 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1 U	< 0.87 U	< 1.1 U	< 10 UJ-	< 0.84 U	< 3.2 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 20 U	< 20 U	< 32 U	< 29 UJ	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 76 U	< 76 U	< 126 U	< 114 U	< 76 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 76 U	< 76 U	< 126 U	< 114 U	< 76 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 177 U	< 177 U	< 177 U	< 177 U	< 177 UJ	< 177 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 75.5 U	< 75.5 U	< 75.5 U	< 125 U	< 113 U	< 75.5 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1.9 U	< 1.6 U	< 2 U	< 2500 U	< 1.9 U	< 3.2 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 UJ	< 1.9 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1.8 U	< 1.8 U	< 1.8 U	< 3 U	< 2.7 U	< 1.8 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 20 U	< 20 U	< 20 U	< 33 U	< 30 U	< 20 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 2 U	< 2 U	< 2 U	12.2	< 3 UJ	R
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 19 U	< 19 U	< 19 U	< 31 U	< 29 UJ	< 19 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 1.92 U	< 1.92 U	< 1.92 U	< 3.17 U	< 2.88 U	< 1.92 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 19 U	< 19 U	< 19 U	< 31 U	< 29 UJ	< 19 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 385 U	< 385 U	< 385 U	< 385 U	< 385 U	< 385 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 38.1 U	< 38.1 U	< 38.1 U	< 62.9 U	< 57.1 U	< 38.1 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.14 U	< 2.86 UJ	< 1.9 UJ
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 2.8 U	< 2.4 U	< 2.4 U	--	< 3.8 U	< 5.2 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 2.9 U	< 2.4 U	< 2.4 U	--	< 3.8 U	< 5.2 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 2.9 U	< 2.4 U	< 2.4 U	--	< 3.8 U	< 5.2 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 2.8 U	< 2.4 U	< 2.4 U	--	< 3.8 U	< 5.2 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 200 U	< 200 U	< 200 U	< 330 U	< 300 U	< 200 UJ
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 2.9 U	< 2.4 U	< 2.4 U	--	< 3.8 U	< 5.3 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 2.8 U	< 2.4 U	< 2.4 U	--	< 3.8 U	< 5.2 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 28 U	< 24 U	< 24 U	--	< 38 U	< 52 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 2.9 U	< 2.4 U	< 2.4 U	--	< 3.9 U	< 5.3 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Acetophenone	Aniline	Benzenethiol	Benzoic acid	Benzyl alcohol	bis(2-Chloroethoxy) methane
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	3650	12	--	146000	18300	--
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 0.36 U	< 1.4 U	< 10 U	< 0.96 U	< 0.59 U	< 1.8 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 2 U	< 5 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 1.9 U	< 2.4 U	< 6.4 U	< 5.8 U	< 1.9 U	< 2.9 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 1.9 U	< 2.4 U	< 6.2 U	< 5.7 U	< 1.9 UJ	< 2.8 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 8.26 U	< 8.26 U	< 8.26 U	< 16.5 U	< 8.26 U	< 8.26 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 1.9 U	< 2.38 U	< 6.29 UJ	< 5.71 UJ	< 1.9 UJ	< 2.86 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.36 U	< 1.1 U	< 10 U	< 0.96 U	3.3 J-	< 1.2 UJ-
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.36 U	< 1.1 U	< 10 U	< 0.96 U	3.5 J-	< 1.2 UJ-
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 2 U	< 5 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 2.4 U	< 6.4 U	< 5.8 U	< 1.9 U	< 2.9 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 2.4 U	< 6.4 U	< 5.8 U	< 1.9 U	< 2.9 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 2 U	< 5.2 U	< 4.8 U	< 1.6 UJ	< 2.4 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 9.43 U	< 9.43 U	< 9.43 U	< 18.9 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 1.9 U	< 2.38 U	< 6.29 UJ	< 5.71 U	< 1.9 U	< 2.86 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.36 U	< 1.1 U	< 10 U	< 0.96 U	< 1 U	< 1.2 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 2 U	< 5 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 2.2 U	< 5.8 U	< 5.3 U	< 1.8 U	< 2.7 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 2.4 U	< 6.3 U	< 5.7 U	< 1.9 UJ	< 2.9 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 8.93 U	< 8.93 U	< 8.93 U	< 17.9 UJ	< 8.93 U	< 8.93 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 1.79 U	< 2.23 U	< 5.89 UJ	< 5.36 U	< 1.79 U	< 2.68 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.36 U	< 1.1 U	< 10 U	< 0.96 U	< 1 U	< 1.2 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.36 U	< 1.1 U	< 10 U	< 0.96 U	< 1 U	< 1.2 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 2 UJ	< 5 UJ	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 2 UJ	< 5 UJ	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 2.4 U	< 6.4 U	< 5.8 U	< 1.9 U	< 2.9 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 2.4 U	< 6.2 U	< 5.7 U	< 1.9 U	< 2.8 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 18.9 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 2 U	< 2.5 U	< 6.6 U	< 6 U	< 2 U	< 3 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 0.36 U	< 1.4 U	< 10 U	3.7 J	< 0.59 U	< 1.8 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	2.1 J-	< 1 U	8.2 J	< 5 U	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.9 U	< 2.4 U	21.7	< 5.7 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 7.6 U	< 9.5 U	28.3 J	< 23 U	< 7.6 U	< 11 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	2.27 J	< 2.2 U	21.6	< 5.2 U	< 1.7 UJ	< 2.6 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	2.77 J	< 2.5 U	23.1	< 5.9 U	< 2 UJ	< 2.9 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 37.7 UJ	< 37.7 U	25.3 J	< 75.5 UJ	< 37.7 U	< 37.7 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 19.2 U	< 24 U	< 63.5 UJ	< 57.7 UJ	< 19.2 U	< 28.8 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 38.1 U	< 47.6 U	< 126 UJ	< 114 UJ	< 38.1 U	< 57.1 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.36 U	< 1.4 U	< 10 U	< 0.96 U	< 0.59 U	< 1.8 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	6.3 J	< 5 U	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	< 2.5 U	19.2	< 6 U	< 2 U	< 3 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.9 U	< 2.4 U	9.72	< 5.8 U	< 1.9 UJ	< 2.9 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 9.43 U	< 9.43 U	10.7	< 18.9 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 1.89 U	< 2.36 U	8.1 J	< 5.66 UJ	< 1.89 U	< 2.83 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 1.92 U	< 2.4 U	11.9	< 5.77 UJ	< 1.92 U	< 2.88 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.36 U	< 1.4 U	< 10 U	< 0.96 U	< 0.59 U	< 1.8 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 5 U	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 2.4 U	8.98 J	< 5.7 U	< 1.9 U	< 2.8 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 2.4 U	14.7	< 5.8 U	< 1.9 UJ	< 2.9 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 9.52 U	< 9.52 U	< 9.52 U	< 19 U	< 9.52 U	< 9.52 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 1.9 U	< 2.38 U	< 6.29 UJ	< 5.71 UJ	< 1.9 UJ	< 2.86 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 2.4 U	105	< 5.7 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 38.5 U	< 48.1 U	331	< 115 U	< 38.5 U	< 57.7 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 2.4 U	< 6.3 U	< 5.7 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 2.4 U	< 6.4 U	< 5.8 U	< 1.9 UJ	< 2.9 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 9.43 UJ	< 9.43 U	< 9.43 U	< 18.9 UJ	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 18.9 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 1.94 U	< 2.43 U	< 6.41 U	< 5.83 UJ	< 1.94 U	< 2.91 U

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Acetophenone	Aniline	Benzenethiol	Benzoic acid	Benzyl alcohol	bis(2-Chloroethoxy) methane
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	3650	12	--	146000	18300	--
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	< 2.4 U	16.3	< 5.7 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	< 2.4 U	54	< 5.8 U	< 1.9 UJ	< 2.9 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 9.62 U	< 9.62 U	13.5	< 19.2 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 1.69 U	< 2.12 U	8.5 J-	< 5.08 UJ	< 1.69 UJ	< 2.54 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 2.4 U	< 6.3 U	< 5.7 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 2.4 U	< 6.2 U	< 5.7 U	< 1.9 U	< 2.8 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 9.62 U	< 9.62 U	< 9.62 U	< 19.2 UJ	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 9.43 U	< 9.43 U	< 9.43 U	< 18.9 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 2 U	< 2.5 U	< 6.6 U	< 6 U	< 2 U	< 3 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.36 U	< 1.1 U	60	< 0.96 U	< 1 U	< 1.2 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	11	< 5 U	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 25 U	120	< 59 U	< 20 U	< 29 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 95 U	1120 J	< 229 U	< 76 U	< 114 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 95 U	496 J	< 229 U	< 76 U	< 114 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 177 U	< 177 U	< 177 U	< 354 U	< 177 U	< 177 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 75.5 U	< 94.3 U	403	< 226 U	< 75.5 U	< 113 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 0.36 U	< 1.4 U	< 10 U	< 0.96 U	< 0.59 U	< 1.8 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 2 U	< 5 U	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 1.9 U	< 2.4 U	< 6.4 U	< 5.8 U	< 1.9 U	< 2.9 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1.8 U	< 2.2 U	< 5.9 U	< 5.4 U	< 1.8 U	< 2.7 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 9.71 U	< 9.71 U	< 9.71 U	< 19.4 UJ	< 9.71 U	< 9.71 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 20 U	< 25 U	< 66 U	< 60 U	< 20 U	< 30 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 1 U	< 1 U	110	< 5 U	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 2 U	< 2.5 U	15.3	< 6 U	< 2 UJ	< 3 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 19 U	< 24 U	< 63 U	< 57 U	< 19 U	< 29 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 1.92 U	< 2.4 U	< 6.35 U	< 5.77 UJ	< 1.92 U	< 2.88 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 19 U	< 24 U	244	< 57 U	< 19 U	< 29 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 385 U	< 385 U	449	< 769 UJ	< 385 U	< 385 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 38.1 U	< 47.6 U	< 126 UJ	< 114 UJ	< 38.1 U	< 57.1 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 1.9 U	< 2.38 U	< 6.29 U	< 5.71 U	< 1.9 UJ	< 2.86 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	< 3.3 U	--	< 9.5 U	< 3.3 U	< 2.8 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	< 3.3 U	--	< 9.5 U	< 3.3 U	< 2.9 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	< 3.3 U	--	430	< 3.3 U	< 2.9 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	< 3.3 U	--	< 9.5 U	< 3.3 U	< 2.8 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 200 U	< 250 U	< 660 U	< 600 U	< 200 U	< 300 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	< 3.4 U	--	< 9.6 U	< 3.4 U	< 2.9 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	< 3.3 U	--	< 9.4 U	< 3.3 U	< 2.8 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	< 33 U	--	< 94 U	< 33 U	< 28 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	< 3.4 U	--	< 9.7 U	< 3.4 U	< 2.9 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 11 of 22)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl)phthalate	bis(p-Chlorophenyl) sulfone	bis(p-Chlorophenyl) disulfide	Butylbenzyl phthalate
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	6	--	--	--
					BCL	0.054	0.9	6	--	--	7300
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 1.9 U	< 1.1 U	< 2.6 U	< 10 U	< 10 U	< 2.9 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 3.2 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.14 U	< 3.14 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1.1 U	< 1.1 U	3.8 J-	< 10 U	< 10 U	< 1.8 UJ-
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1.1 U	< 1.1 U	3.2 J-	< 10 U	< 10 U	< 1.8 UJ-
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 3.2 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 3.2 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 1.6 U	< 1.6 U	< 2.6 U	< 2.6 U	< 1.6 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.14 U	< 3.14 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1.1 U	< 1.1 U	4.7 J	< 10 U	< 10 U	< 1.8 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 1.8 U	< 1.8 U	< 2.9 U	< 2.9 U	< 1.8 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 1.79 U	< 1.79 U	< 1.79 U	< 2.95 U	< 2.95 U	< 1.79 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1.1 U	< 1.1 U	< 3.6 U	< 10 U	< 10 U	< 1.8 UJ-
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1.1 U	< 1.1 U	< 3.6 U	< 10 U	< 10 U	< 1.8 UJ-
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 3.2 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 2 U	< 2 U	< 2 U	< 3.3 U	< 3.3 UJ	< 2 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 1.9 U	< 1.1 U	3.9 J	< 10 U	< 10 U	< 2.9 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 UJ	< 1.9 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 7.6 U	< 7.6 U	< 7.6 U	< 13 U	< 13 UJ	< 7.6 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 1.7 U	< 1.7 U	< 1.7 U	< 2.9 U	< 2.9 U	< 1.7 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 2 U	< 2 U	< 2 U	< 3.2 U	< 3.2 U	< 2 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 19.2 U	< 19.2 U	< 19.2 U	< 31.7 U	< 31.7 U	< 19.2 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 38.1 U	< 38.1 U	< 38.1 U	< 62.9 U	< 62.9 U	< 38.1 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 1.9 U	< 1.1 U	6.4 J	< 10 U	30	< 2.9 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	15 J-	< 1 U	< 0.19 U	33 J-	< 1 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	< 2 U	< 2 U	< 3.3 U	3.91 J	< 2 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	15.7	< 1.9 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	40.4	< 9.43 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 1.89 U	< 1.89 U	< 1.89 U	< 3.11 U	74.7	< 1.89 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 1.92 U	< 1.92 U	< 1.92 U	< 3.17 U	--	< 1.92 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.9 U	< 1.1 U	2.7 J	< 10 U	13	< 2.9 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	5.49 J	< 1.9 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	21.2	< 1.9 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 9.52 U	< 9.52 U	< 9.52 U	< 9.52 U	37.2	< 9.52 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.14 U	40.5 J+	< 1.9 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	33	< 1.9 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 38.5 U	< 38.5 U	< 38.5 U	< 63.5 U	100 J	< 38.5 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 U	< 1.9 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 3.2 U	< 1.9 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 1.94 U	< 1.94 U	< 1.94 U	< 3.2 U	< 3.2 U	< 1.94 U

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl)phthalate	bis(p-Chlorophenyl) sulfone	bis(p-Chlorophenyl) disulfide	Butylbenzyl phthalate
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	6	--	--	--
					BCL	0.054	0.9	6	--	--	7300
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	--	< 1.9 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	18.6	< 1.9 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	36.4	< 9.62 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 1.69 U	< 1.69 U	< 1.69 U	< 2.8 U	--	< 1.69 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 U	< 1.9 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 U	< 1.9 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 2 U	< 2 U	< 2 U	< 3.3 U	< 3.3 UJ	< 2 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1.1 U	< 1.1 U	6.7 J	< 10 U	13	< 1.8 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	< 1 U	1.3 J	53	< 1 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 20 U	< 20 U	< 32 U	262	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 76 U	< 76 U	< 126 U	222 J	< 76 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 76 U	< 76 U	< 126 U	213 J	< 76 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 177 U	< 177 U	< 177 U	< 177 U	59.3 J	< 177 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 75.5 U	< 75.5 U	< 75.5 U	< 125 U	803 J-	< 75.5 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1.9 U	< 1.1 U	3.3 J	< 10 U	< 10 U	< 2.9 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 3.2 U	< 1.9 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1.8 U	< 1.8 U	< 1.8 U	< 3 U	< 3 U	< 1.8 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 20 U	< 20 U	< 20 U	< 33 U	< 33 UJ	< 20 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	6 J	590 J	< 1 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 2 U	< 2 U	< 2 U	< 3.3 U	4480	< 2 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 19 U	< 19 U	< 19 U	< 31 U	< 31 U	< 19 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 1.92 U	< 1.92 U	< 1.92 U	< 3.17 U	< 3.17 U	< 1.92 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 19 U	< 19 U	< 19 U	48.9 J	1530	< 19 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 385 U	< 385 U	< 385 U	< 385 U	3510	< 385 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 38.1 U	< 38.1 U	< 38.1 U	< 62.9 U	3230 J+	< 38.1 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.14 U	< 3.14 U	< 1.9 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 2.8 U	< 2.4 U	< 3.8 U	--	--	< 3.8 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 2.9 U	< 2.4 U	< 3.8 U	--	--	< 3.8 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 2.9 U	< 2.4 U	< 3.8 U	--	--	< 3.8 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 2.8 U	< 2.4 U	< 3.8 U	--	--	< 3.8 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 200 U	< 200 U	< 200 U	< 330 U	< 330 U	< 200 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 2.9 U	< 2.4 U	< 3.8 U	--	--	< 3.8 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 2.8 U	< 2.4 U	< 3.8 U	--	--	< 3.8 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 28 U	< 24 U	< 38 U	--	--	< 38 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 2.9 U	< 2.4 U	< 3.9 U	--	--	< 3.9 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Carbazole	Dibenzofuran	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	3.4	73	29200	365000	3650	--
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 2.3 U	< 2 U	< 2.3 U	< 1.9 U	< 3.6 U	< 2.3 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.8 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 0.826 U	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.86 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1.5 U	< 1.2 UJ-	< 3.6 U	< 2.1 UJ-	< 1.7 U	< 2.2 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1.5 U	< 1.2 UJ-	< 3.6 U	< 2.1 UJ-	< 1.7 U	< 2.2 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.16 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 2.4 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.86 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1.5 U	< 1.2 U	< 3.6 U	< 2.1 U	< 1.7 U	< 2.2 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.18 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 2.7 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.893 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.179 UJ	< 1.79 U	< 1.79 U	< 1.79 U	< 1.79 U	< 2.68 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1.5 U	< 1.2 U	< 3.6 U	< 2.1 UJ-	< 1.7 U	< 2.2 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1.5 U	< 1.2 U	< 3.6 U	< 2.1 UJ-	< 1.7 U	< 2.2 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.8 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 3 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 2.3 U	< 2 U	< 2.3 U	< 1.9 U	< 3.6 U	< 2.3 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.76 U	< 7.6 U	< 7.6 U	< 7.6 U	< 7.6 U	< 11 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.17 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 2.6 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2.9 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 3.77 U	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 1.92 U	< 19.2 U	< 19.2 U	< 19.2 U	< 19.2 U	< 28.8 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 3.81 U	< 38.1 U	< 38.1 U	< 38.1 U	< 38.1 U	< 57.1 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 2.3 U	< 2 U	< 2.3 U	< 1.9 U	< 3.6 U	< 2.3 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 3 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.189 U	< 1.89 U	< 1.89 U	< 1.89 U	< 1.89 U	< 2.83 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.192 U	< 1.92 U	< 1.92 U	< 1.92 U	< 1.92 U	< 2.88 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 2.3 U	< 2 U	< 2.3 U	< 1.9 U	< 3.6 U	< 2.3 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.8 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.952 U	< 9.52 U	< 9.52 U	< 9.52 U	< 9.52 U	< 9.52 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.86 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 3.85 U	< 38.5 U	< 38.5 U	< 38.5 U	< 38.5 U	< 57.7 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.194 U	< 1.94 U	< 1.94 U	< 1.94 U	< 1.94 U	< 2.91 U

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Carbazole	Dibenzofuran	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	3.4	73	29200	365000	3650	--
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.962 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.169 UJ	< 1.69 U	< 1.69 U	< 1.69 U	< 1.69 U	< 2.54 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.8 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.962 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 3 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1.5 U	< 1.2 U	< 3.6 U	< 2.1 U	< 1.7 U	< 2.2 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 2 UJ	< 20 U	< 20 U	< 20 U	< 20 U	< 29 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 7.6 U	< 76 U	< 76 U	< 76 U	< 76 U	< 114 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 7.6 U	< 76 U	< 76 U	< 76 U	< 76 U	< 114 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 17.7 U	< 177 U	< 177 U	< 177 U	< 177 U	< 177 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 7.55 U	< 75.5 U	< 75.5 U	< 75.5 U	< 75.5 U	< 113 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 2.3 U	< 2 U	< 2.3 U	< 1.9 U	< 3.6 U	< 2.3 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.18 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 2.7 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 0.971 U	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 2 U	< 20 U	< 20 U	< 20 U	< 20 U	< 30 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 0.2 UJ	< 2 U	< 2 U	< 2 U	< 2 U	< 3 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 1.9 UJ	< 19 U	< 19 U	< 19 U	< 19 U	< 29 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.192 U	< 1.92 U	< 1.92 U	< 1.92 U	< 1.92 U	< 2.88 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 1.9 UJ	< 19 U	< 19 U	< 19 U	< 19 U	< 29 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 38.5 U	< 385 U	< 385 U	< 385 U	< 385 U	< 385 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 3.81 U	< 38.1 U	< 38.1 U	< 38.1 U	< 38.1 U	< 57.1 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.86 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	< 3.8 U	< 3.3 U	< 2.4 U	< 2.8 U	< 3.3 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	< 3.8 U	< 3.3 U	< 2.4 U	< 2.9 U	< 3.3 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	< 3.8 U	< 3.3 U	< 2.4 U	< 2.9 U	< 3.3 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	< 3.8 U	< 3.3 U	< 2.4 U	< 2.8 U	< 3.3 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 20 U	< 200 U	< 200 U	< 200 U	< 200 U	< 300 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	< 3.8 U	< 3.4 U	1100	< 2.9 U	< 3.4 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	< 3.8 U	< 3.3 U	1000	< 2.8 U	< 3.3 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	< 38 U	< 33 U	750	< 28 U	< 33 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	< 3.9 U	< 3.4 U	1900	< 2.9 U	< 3.4 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Diphenyl disulfide	Diphenyl sulfide	Diphenyl sulfone	Diphenylamine	Fluoranthene	Fluorene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	--	--	110	910	1460	1460
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 10 U	< 10 U	< 10 U	--	< 2.4 U	< 2 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.61 U	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 3.1 U	< 3.1 U	< 3.1 U	< 2.8 U	< 0.19 U	< 0.19 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U	< 0.826 U	< 0.826 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 3.14 U	< 3.14 U	< 3.14 U	< 2.86 U	< 0.19 U	< 0.19 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 10 U	< 10 U	< 10 U	--	< 1.5 UJ-	< 1.2 UJ-
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 10 U	< 10 U	< 10 U	--	< 1.5 UJ-	< 1.2 UJ-
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	1.3 J	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 2.6 U	< 2.6 U	< 2.6 U	< 2.4 U	< 0.16 U	< 0.16 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 0.943 U	< 0.943 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 3.14 U	< 3.14 U	< 3.14 U	< 2.86 U	< 0.19 U	< 0.19 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 10 U	< 10 U	< 10 U	--	< 1.5 U	< 1.2 UJ-
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.61 U	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 2.9 U	< 2.9 U	< 2.9 U	< 2.7 U	< 0.18 U	< 0.18 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 3.1 U	< 3.1 U	< 3.1 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U	< 0.893 U	< 0.893 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 2.95 U	< 2.95 U	< 2.95 U	< 2.68 U	< 0.179 U	< 0.179 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 10 U	< 10 U	< 10 U	--	< 1.5 UJ-	< 1.2 UJ-
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 10 U	< 10 U	< 10 U	--	< 1.5 UJ-	< 1.2 UJ-
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.61 U	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.61 U	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 3.1 U	< 3.1 U	< 3.1 U	< 2.8 U	< 0.19 U	< 0.19 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 0.943 U	< 0.943 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 3.3 U	< 3.3 U	< 3.3 U	< 3 U	< 0.2 U	< 0.2 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 10 U	< 10 U	< 10 U	--	< 2.4 U	< 2 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	1.1 J-	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	5.32 J	< 3.1 U	< 3.1 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 13 U	< 13 U	< 13 U	< 11 U	< 0.76 U	< 0.76 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	4.37 J	< 2.9 U	< 2.9 U	< 2.6 U	< 0.17 U	< 0.17 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	4.38 J	< 3.2 U	< 3.2 U	< 2.9 U	< 0.2 U	< 0.2 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U	< 3.77 U	< 3.77 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 31.7 U	< 31.7 U	< 31.7 U	< 28.8 U	< 1.92 U	< 1.92 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 62.9 U	< 62.9 U	< 62.9 U	< 57.1 U	< 3.81 U	< 3.81 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	160 J-	< 10 U	< 10 U	--	< 2.4 U	< 2 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	58 J-	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	34.8	< 3.3 U	< 3.3 U	< 3 U	< 0.2 U	< 0.2 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	41.4	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	81.1	< 9.43 U	< 9.43 U	< 9.43 U	< 0.943 U	< 0.943 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	197 J+	< 3.11 U	< 3.11 U	< 2.83 U	< 0.189 U	< 0.189 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	194 J+	< 3.17 U	< 3.17 U	< 2.88 U	< 0.192 U	< 0.192 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 10 U	< 10 U	< 10 U	--	< 2.4 U	< 2 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	5.2 J-	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	3.42 J	< 3.1 U	< 3.1 U	< 2.8 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	7.27 J	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	8.14 J	< 9.52 U	< 9.52 U	< 9.52 U	< 0.952 U	< 0.952 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	9.81 J+	< 3.14 U	< 3.14 U	< 2.86 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	36	< 3.1 U	< 3.1 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	126 J	< 63.5 U	< 63.5 U	< 57.7 U	< 3.85 U	< 3.85 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 3.1 U	< 3.1 U	< 3.1 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 0.943 U	< 0.943 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 0.943 U	< 0.943 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.91 U	< 0.194 U	< 0.194 U

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Diphenyl disulfide	Diphenyl sulfide	Diphenyl sulfone	Diphenylamine	Fluoranthene	Fluorene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	--	--	110	910	1460	1460
Shallow	Down-Gradient	H-43	55a	N	01/27/09	41.5	< 3.1 U	< 3.1 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	33	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	48.3	5.02 J	< 9.62 U	< 9.62 U	< 0.962 U	< 0.962 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	63.8 J+	< 2.8 U	< 2.8 U	< 2.54 U	< 0.169 U	< 0.169 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 3.1 U	< 3.1 U	< 3.1 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 3.1 U	< 3.1 U	< 3.1 U	< 2.8 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 0.962 U	< 0.962 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 0.943 U	< 0.943 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 3.3 U	< 3.3 U	< 3.3 U	< 3 U	< 0.2 U	< 0.2 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	520 J-	< 10 U	< 10 U	--	< 1.5 U	< 1.2 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	1600 J	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	2790	< 32 U	< 32 U	< 29 U	< 2 U	< 2 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	2490	< 126 U	< 126 U	< 114 U	< 7.6 U	< 7.6 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	2590	< 126 U	< 126 U	< 114 U	< 7.6 U	< 7.6 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	2710	1130	< 177 U	< 177 U	< 17.7 U	< 17.7 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	3930	364 J	< 125 U	< 113 U	< 7.55 U	< 7.55 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 10 U	< 10 U	< 10 U	--	< 2.4 U	< 2 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.61 U	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 3 UJ	< 3 U	< 3 U	< 2.7 U	< 0.18 U	< 0.18 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U	< 0.971 U	< 0.971 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 33 U	< 33 U	< 33 U	< 30 U	< 2 U	< 2 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 0.61 U	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 3.3 U	< 3.3 U	< 3.3 U	< 3 U	< 0.2 U	< 0.2 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 31 U	< 31 U	< 31 U	< 29 U	< 1.9 U	< 1.9 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 3.17 U	< 3.17 U	< 3.17 U	< 2.88 U	< 0.192 U	< 0.192 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	264	< 31 U	< 31 U	< 29 U	< 1.9 U	< 1.9 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	1300	< 385 U	< 385 U	< 385 U	< 38.5 U	< 38.5 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	596 J+	< 62.9 U	< 62.9 U	< 57.1 U	< 3.81 U	< 3.81 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 3.14 U	< 3.14 U	< 3.14 U	< 2.86 U	< 0.19 U	< 0.19 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	--	--	--	< 2.8 U	< 2.8 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	--	--	--	< 2.9 U	< 2.9 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	--	--	--	< 2.9 U	< 2.9 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	--	--	--	< 2.8 U	< 2.8 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 330 U	< 330 U	< 330 U	< 300 U	< 20 U	< 20 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	--	--	--	< 2.9 U	< 2.9 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	--	--	--	< 2.8 U	< 2.8 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	--	--	--	< 28 U	< 28 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	--	--	--	< 2.9 U	< 2.9 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Hydroxymethyl phthalimide	Isophorone
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	1	--	50	--	--	--
					BCL	1	0.86	50	4.8	--	71
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 1.8 U	< 0.29 U	< 2.5 U	< 2.4 U	< 10 U	< 1.8 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 UJ	< 1.9 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.14 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1.2 UJ-	< 0.91 UJ-	< 2.5 U	2.9 J-	< 10 U	< 1.1 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1.2 UJ-	< 0.91 UJ-	< 2.5 U	3.2 J-	< 10 U	< 1.1 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 UJ	< 1.9 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 UJ	< 1.9 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 2.6 U	< 1.6 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 1.9 U	< 1.9 U	< 1.9 UJ	< 1.9 U	< 3.14 UJ	< 1.9 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1.2 U	< 0.91 U	< 2.5 U	< 0.8 U	< 10 U	< 1.1 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 2.9 UJ	< 1.8 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 1.79 U	< 1.79 U	< 1.79 UJ	< 1.79 U	< 2.95 UJ	< 1.79 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1.2 UJ-	< 0.91 U	< 2.5 U	3.7 J-	< 10 U	< 1.1 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1.2 UJ-	< 0.91 U	< 2.5 U	3.3 J-	< 10 U	< 1.1 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 UJ	< 1.9 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 2 U	< 2 U	< 2 U	< 2 U	< 3.3 U	< 2 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 1.8 U	< 0.29 U	< 2.5 U	< 2.4 U	< 10 U	< 1.8 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 1.9 UJ	< 1.9 U	< 3.1 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 7.6 U	< 7.6 U	< 7.6 UJ	< 7.6 U	< 13 U	< 7.6 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 2.9 U	< 1.7 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 2 U	< 2 U	< 2 U	< 2 U	< 3.2 U	< 2 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 19.2 U	< 19.2 U	< 19.2 UJ	< 19.2 U	< 31.7 U	< 19.2 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 38.1 U	< 38.1 U	< 38.1 UJ	< 38.1 U	< 62.9 U	< 38.1 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 1.8 U	< 0.29 U	< 2.5 U	< 2.4 U	< 10 U	< 1.8 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	< 2 U	< 2 U	< 2 U	< 3.3 U	< 2 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 1.89 U	< 1.89 U	< 1.89 U	< 1.89 U	< 3.11 U	< 1.89 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 1.92 U	< 1.92 U	< 1.92 U	< 1.92 U	< 3.17 U	< 1.92 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.8 U	< 0.29 U	< 2.5 U	< 2.4 U	< 10 U	< 1.8 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 9.52 U	< 9.52 U	< 9.52 UJ	< 9.52 U	< 9.52 U	< 9.52 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.14 U	< 1.9 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 38.5 U	< 38.5 U	< 38.5 UJ	< 38.5 U	< 63.5 U	< 38.5 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 1.9 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 1.94 U	< 1.94 U	< 1.94 U	< 1.94 U	< 3.2 U	< 1.94 U

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Hydroxymethyl phthalimide	Isophorone
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	1	--	50	--	--	--
					BCL	1	0.86	50	4.8	--	71
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 1.9 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 9.62 U	< 9.62 U	< 9.62 UJ	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 1.69 U	< 1.69 U	< 1.69 U	< 1.69 U	< 2.8 U	< 1.69 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 2 U	< 2 U	< 2 U	< 2 U	< 3.3 U	< 2 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1.2 U	< 0.91 U	< 2.5 U	< 0.8 U	< 10 U	< 1.1 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 32 UJ	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 76 U	< 76 U	< 76 U	< 126 U	< 76 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 76 U	< 76 U	< 76 U	< 126 U	< 76 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 177 U	< 177 U	< 177 UJ	< 177 U	< 177 U	< 177 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 75.5 U	< 75.5 U	< 75.5 U	< 75.5 U	< 125 U	< 75.5 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1.8 U	< 0.29 U	< 2.5 U	< 2.4 U	< 10 U	< 1.8 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 UJ	< 1.9 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3 U	< 1.8 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 20 U	< 20 U	< 20 U	< 20 U	< 33 U	< 20 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 2 U	< 2 U	< 2 UJ	< 2 U	< 3.3 U	< 2 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 19 U	< 19 U	< 19 U	< 19 U	< 31 U	< 19 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 1.92 U	< 1.92 U	< 1.92 U	< 1.92 U	< 3.17 U	< 1.92 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 19 U	< 19 U	< 19 U	< 19 U	< 31 U	< 19 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 385 U	< 385 U	< 385 U	< 385 U	< 385 U	< 385 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 38.1 U	< 38.1 U	< 38.1 UJ	< 38.1 U	< 62.9 U	< 38.1 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 1.9 U	< 1.9 U	< 1.9 UJ	< 1.9 U	< 3.14 U	< 1.9 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 2.8 U	< 3.8 U	< 4.7 U	< 3.3 U	--	< 2.8 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 2.9 U	< 3.8 U	< 4.8 U	< 3.3 U	--	< 2.9 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 2.9 U	< 3.8 U	< 4.8 U	< 3.3 U	--	< 2.9 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 2.8 U	< 3.8 U	< 4.7 U	< 3.3 U	--	< 2.8 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 200 U	< 200 U	< 200 UJ	< 200 U	< 330 U	< 200 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 2.9 U	< 3.8 U	< 4.8 U	< 3.4 U	--	< 2.9 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 2.8 U	< 3.8 U	< 4.7 U	< 3.3 U	--	< 2.8 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 28 U	< 38 UJ	< 47 UJ	< 33 UJ	--	< 28 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 2.9 U	< 3.9 U	< 4.9 U	< 3.4 U	--	< 2.9 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 19 of 22)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	m,p-Cresols	Naphthalene	Nitrobenzene	N-nitrosodi-n-propylamine	o-Cresol	Octachlorostyrene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	--	4.3	3.7	0.0096	1830	--
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 1.1 U	< 2 U	< 2 U	< 2 U	< 1.2 U	--
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1.2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 0.68 U
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 2.8 U	< 0.28 U	< 2.8 U	< 1.9 U	< 1.9 U	< 3.1 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 8.26 U	< 0.826 U	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 2.86 U	19.6	< 2.86 U	< 1.9 U	< 1.9 U	< 3.14 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1.7 U	< 1.1 UJ-	< 0.86 U	< 2.4 U	2.3 J-	--
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1.7 U	< 1.1 UJ-	< 0.86 U	< 2.4 U	< 0.93 U	--
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1.2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 0.68 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 2.4 U	< 0.24 U	< 2.4 U	< 1.6 U	< 1.6 U	< 2.6 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 9.43 U	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 2.86 U	< 0.286 U	< 2.86 U	< 1.9 U	< 1.9 U	< 3.14 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1.7 U	< 1.1 U	< 0.86 U	< 2.4 U	< 0.93 U	--
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1.2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 0.68 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 2.7 U	< 0.27 U	< 2.7 U	< 1.8 U	< 1.8 U	< 2.9 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.1 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 8.93 U	< 0.893 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 2.68 U	1.42	< 2.68 U	< 1.79 U	< 1.79 U	< 2.95 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1.7 U	< 1.1 U	< 0.86 U	< 2.4 U	< 0.93 U	--
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1.7 U	< 1.1 U	< 0.86 U	< 2.4 U	< 0.93 U	--
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1.2 UJ	< 1 U	< 1 U	< 1 U	< 2 UJ	< 0.68 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1.2 UJ	< 1 U	< 1 U	< 1 U	< 2 UJ	< 0.68 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 2.8 U	< 0.28 U	< 2.8 U	< 1.9 U	< 1.9 U	< 3.1 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 9.43 U	6.45	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 3 U	< 0.3 U	< 3 U	< 2 U	< 2 U	< 3.3 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 1.1 U	< 2 U	< 2 U	< 2 U	< 1.2 U	--
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1.2 U	19 J-	< 1 U	< 1 U	< 2 U	< 0.68 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 2.9 U	1.8	< 2.9 U	< 1.9 U	< 1.9 U	< 3.1 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 11 U	2.41 J	< 11 U	< 7.6 U	< 7.6 U	< 13 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 2.6 U	2.26	< 2.6 U	< 1.7 U	< 1.7 U	< 2.9 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 2.9 U	2.5	< 2.9 U	< 2 U	< 2 U	< 3.2 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 37.7 U	1.87 J	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 28.8 U	< 2.88 U	< 28.8 U	< 19.2 U	< 19.2 U	< 31.7 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 57.1 U	< 5.71 U	< 57.1 U	< 38.1 U	< 38.1 U	< 62.9 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 1.1 U	< 2 U	< 2 U	< 2 U	< 1.2 U	--
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1.2 U	3.5 J-	< 1 U	< 1 U	< 2 U	< 0.68 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 3 U	0.373 J	< 3 U	< 2 U	< 2 U	< 3.3 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 2.9 U	1.52	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 9.43 U	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 2.83 U	0.315 J	< 2.83 U	< 1.89 U	< 1.89 U	< 3.11 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 2.88 U	< 0.288 U	< 2.88 U	< 1.92 U	< 1.92 U	< 3.17 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.1 U	< 2 U	< 2 U	< 2 U	< 1.2 U	--
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1.2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 0.68 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 2.8 U	< 0.28 U	< 2.8 U	< 1.9 U	< 1.9 U	< 3.1 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 9.52 U	< 0.952 U	< 9.52 U	< 9.52 U	< 9.52 U	< 9.52 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 2.86 U	< 0.286 U	< 2.86 U	< 1.9 U	< 1.9 U	< 3.14 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.1 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 57.7 U	< 5.77 U	< 57.7 U	< 38.5 U	< 38.5 U	< 63.5 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 2.9 U	0.3 J	< 2.9 U	< 1.9 U	< 1.9 U	< 3.1 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 2.9 U	2.18	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 9.43 U	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 9.43 U	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 2.91 U	< 0.291 U	< 2.91 U	< 1.94 U	< 1.94 U	< 3.2 U

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	m,p-Cresols	Naphthalene	Nitrobenzene	N-nitrosodi-n-propyl-amine	o-Cresol	Octachlorostyrene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	--	4.3	3.7	0.0096	1830	--
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.1 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 9.62 U	< 0.962 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 2.54 U	< 0.254 U	< 2.54 U	< 1.69 U	< 1.69 U	< 2.8 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.1 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 2.8 U	< 0.28 U	< 2.8 U	< 1.9 U	< 1.9 U	< 3.1 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 9.62 U	< 0.962 U	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 9.43 U	< 0.943 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 3 U	< 0.3 U	< 3 U	< 2 U	< 2 U	< 3.3 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1.7 U	< 1.1 U	< 0.86 U	< 2.4 U	< 0.93 U	--
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1.2 U	6 J	< 1 U	< 1 U	< 2 U	< 0.68 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 29 U	< 2.9 U	< 29 U	< 20 U	< 20 U	< 32 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 114 U	< 11 U	< 114 U	< 76 U	< 76 U	< 126 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 114 U	< 11 U	< 114 U	< 76 U	< 76 U	< 126 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 177 U	< 17.7 U	< 177 U	< 177 U	< 177 U	< 177 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 113 U	< 11.3 U	< 113 U	< 75.5 U	< 75.5 U	< 125 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1.1 U	< 2 U	< 2 U	< 2 U	< 1.2 U	--
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1.2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 0.68 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 2.7 U	< 0.27 U	< 2.7 U	< 1.8 U	< 1.8 U	< 3 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 9.71 U	< 0.971 U	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 30 U	< 3 U	< 30 U	< 20 U	< 20 U	< 33 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 1.2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 0.68 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 3 U	2.06	< 3 U	< 2 U	< 2 U	< 3.3 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 29 U	< 2.9 U	< 29 U	< 19 U	< 19 U	< 31 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 2.88 U	< 0.288 U	< 2.88 U	< 1.92 U	< 1.92 U	< 3.17 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 29 U	< 2.9 U	< 29 U	< 19 U	< 19 U	< 31 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 385 U	< 38.5 U	< 385 U	< 385 U	< 385 U	< 385 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 57.1 U	< 5.71 U	< 57.1 U	< 38.1 U	< 38.1 U	< 62.9 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 2.86 U	< 0.286 U	< 2.86 U	< 1.9 U	< 1.9 U	< 3.14 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	< 2.8 U	< 2.8 U	< 3.3 U	--	--
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	< 2.9 U	< 2.9 U	< 3.3 U	--	--
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	< 2.9 U	< 2.9 U	< 3.3 U	--	--
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	4	< 2.8 U	< 3.3 U	--	--
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 300 U	< 30 U	< 300 U	< 200 U	< 200 U	< 330 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	< 2.9 U	< 2.9 U	< 3.4 U	--	--
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	< 2.8 U	< 2.8 U	< 3.3 U	--	--
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	< 28 U	< 28 U	< 33 U	--	--
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	< 2.9 U	< 2.9 U	< 3.4 U	--	--

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	p-Chloroaniline	p-Chlorobenzenethiol	Pentachlorobenzene	Pentachlorophenol	Phenol	Pyridine
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	1	--	--
					BCL	150	--	29	1	11000	37
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 1.8 U	< 10 U	< 0.3 U	< 1.4 U	< 0.52 U	< 1.7 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 2.6 U	< 2.7 U	< 2 U	< 4 U	< 5 U
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 1.9 UJ	< 3.2 U	< 1.9 U	< 1.9 U	< 0.96 U	< 0.96 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 1.9 U	< 3.1 U	< 1.9 U	< 1.9 U	1.73 J	< 0.94 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 8.26 U	< 8.26 U	< 8.26 U	< 8.26 U	1.62 J	< 8.26 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 1.9 U	< 3.14 UJ	< 1.9 U	< 1.9 U	1.33 J	< 0.952 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1.3 U	< 10 U	< 0.3 U	< 3.8 U	< 0.52 U	< 1.7 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1.3 U	< 10 U	< 0.3 U	< 3.8 U	< 0.52 U	< 1.7 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 2.6 U	< 2.7 U	< 2 U	< 4 U	< 5 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 UJ	< 3.2 U	< 1.9 U	< 1.9 U	< 0.96 U	< 0.96 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 UJ	< 3.2 U	< 1.9 U	< 1.9 U	< 0.96 U	< 0.96 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 2.6 U	< 1.6 U	< 1.6 U	< 0.79 U	< 0.79 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 1.9 U	< 3.14 UJ	< 1.9 U	< 1.9 U	< 0.952 U	< 0.952 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1.3 U	< 10 U	< 0.3 U	< 3.8 U	< 0.52 U	< 1.7 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 2.6 U	< 2.7 U	< 2 U	< 4 U	< 5 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 UJ	< 2.9 U	< 1.8 U	< 1.8 U	< 0.88 U	< 0.88 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 3.1 U	< 1.9 U	< 1.9 U	< 0.95 U	< 0.95 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U	< 8.93 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 1.79 U	< 2.95 UJ	< 1.79 U	< 1.79 U	< 0.893 U	< 0.893 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1.3 U	< 10 U	< 0.3 U	< 3.8 U	< 0.52 U	< 1.7 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1.3 U	< 10 U	< 0.3 U	< 3.8 U	< 0.52 U	< 1.7 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 2.6 UJ	< 2.7 U	< 2 UJ	< 4 UJ	< 5 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 2.6 UJ	< 2.7 U	< 2 UJ	< 4 UJ	< 5 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 UJ	< 3.2 U	< 1.9 U	< 1.9 U	< 0.96 U	< 0.96 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 3.1 U	< 1.9 U	< 1.9 U	< 0.94 U	< 0.94 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 2 U	< 3.3 U	< 2 U	< 2 U	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 1.8 U	< 10 U	< 0.3 U	< 1.4 U	18	< 1.7 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 2.6 U	< 2.7 U	6.6 J-	13	< 5 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.9 U	6.76 J	< 1.9 U	15.4	2.67 J	< 0.95 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 7.6 U	21.1 J	< 7.6 U	33.2 J	4.08 J	< 3.8 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 1.7 U	7.12 J	< 1.7 U	11.5	3.22 J	< 0.87 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 2 U	7.61 J	< 2 U	12.9	3.95 J	< 0.98 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U	< 37.7 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 19.2 U	< 31.7 UJ	< 19.2 U	< 19.2 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 38.1 U	< 62.9 UJ	< 38.1 U	< 38.1 U	< 19 U	< 19 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 1.8 U	< 10 U	< 0.3 U	< 1.4 U	1000 J-	< 1.7 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	11	< 2.7 U	< 2 U	< 4 U	< 5 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	14.8	< 2 U	< 2 U	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.9 U	15.2	< 1.9 U	< 1.9 U	< 0.97 U	< 0.97 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 9.43 U	18.1	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 1.89 U	15.5	< 1.89 U	< 1.89 U	< 0.943 U	< 0.943 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 1.92 U	22.3	< 1.92 U	< 1.92 U	< 0.962 U	< 0.962 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.8 U	< 10 U	< 0.3 U	< 1.4 U	< 0.52 U	< 1.7 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 2.6 U	< 2.7 U	< 2 U	< 4 U	< 5 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	19.1	< 1.9 U	< 1.9 U	< 0.94 U	< 0.94 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	46.5	< 1.9 U	< 1.9 U	< 0.96 U	< 0.96 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 9.52 U	6.99 J	< 9.52 U	< 9.52 U	< 9.52 U	< 9.52 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 1.9 U	12.4 J-	< 1.9 U	< 1.9 U	< 0.952 U	< 0.952 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	141	< 1.9 U	< 1.9 U	1.9 J	< 0.95 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 38.5 U	361	< 38.5 U	< 38.5 U	< 19.2 U	< 19.2 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 3.1 U	< 1.9 U	< 1.9 U	< 0.95 U	< 0.95 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 3.2 U	< 1.9 U	< 1.9 U	< 0.97 U	< 0.97 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 1.94 U	< 3.2 U	< 1.94 U	< 1.94 U	< 0.971 U	< 0.971 U

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	p-Chloroaniline	p-Chlorobenzenethiol	Pentachlorobenzene	Pentachlorophenol	Phenol	Pyridine
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	1	--	--
					BCL	150	--	29	1	11000	37
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	17.2	< 1.9 U	< 1.9 U	< 0.95 U	< 0.95 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	71.9	< 1.9 U	< 1.9 U	< 0.97 U	< 0.97 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 9.62 U	17.4	< 9.62 U	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 1.69 U	12.1 J-	< 1.69 U	< 1.69 U	< 0.847 U	< 0.847 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 3.1 U	3.29 J	< 1.9 U	< 0.95 U	< 0.95 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 3.1 U	< 1.9 U	< 1.9 U	< 0.94 U	< 0.94 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 9.62 U	< 9.62 U	2.51 J	< 9.62 U	< 9.62 U	< 9.62 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 9.43 U	< 9.43 U	2.59 J	< 9.43 U	< 9.43 U	< 9.43 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 2 U	< 3.3 U	< 2 U	< 2 U	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1.3 U	< 10 U	< 0.3 U	< 3.8 U	6.3 J	< 1.7 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 2.6 U	< 2.7 U	< 2 U	< 4 U	< 5 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 UJ	120	< 20 U	< 20 U	< 9.8 U	< 9.8 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	420	< 76 U	< 76 U	< 38 U	< 38 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	279 J	< 76 U	< 76 U	< 38 U	< 38 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 177 U	< 177 U	< 177 U	< 177 U	< 177 U	< 177 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 75.5 U	352 J	< 75.5 U	< 75.5 U	< 37.7 U	< 37.7 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1.8 U	< 10 U	< 0.3 U	< 1.4 U	15	< 1.7 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 2.6 U	< 2.7 U	< 2 U	< 4 U	< 5 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 1.9 UJ	< 3.2 U	< 1.9 U	8.6 J	< 0.97 U	< 0.97 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1.8 U	< 3 U	< 1.8 U	< 1.8 U	< 0.89 U	< 0.89 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U	< 9.71 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 20 U	< 33 U	< 20 U	< 20 U	< 10 U	< 10 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	--	3000 J	< 2.7 U	< 2 U	< 4 U	< 5 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 2 U	1290	< 2 U	< 2 U	1.57 J	< 1 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 19 UJ	< 31 U	< 19 U	< 19 U	< 9.5 U	< 9.5 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 1.92 U	< 3.17 U	< 1.92 U	< 1.92 U	1.43 J	< 0.962 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 19 UJ	684	< 19 U	< 19 U	38.3 J	< 9.5 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 385 U	826	< 385 U	< 385 U	82.6 J	< 385 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 38.1 U	< 62.9 UJ	< 38.1 U	< 38.1 U	42.7 J	< 19 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 1.9 U	< 3.14 U	< 1.9 U	< 1.9 U	< 0.952 U	< 0.952 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 1.9 U	--	--	< 3.3 U	3.7	--
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 1.9 U	--	--	< 3.3 U	8.3	--
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 1.9 U	--	--	< 3.3 U	180	--
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 1.9 U	--	--	< 3.3 U	7	--
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 200 U	< 330 U	< 200 U	< 200 U	< 100 U	< 100 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 1.9 U	--	--	< 3.4 U	< 1.9 U	--
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 1.9 U	--	--	< 3.3 U	< 1.9 U	--
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 19 U	--	--	< 33 U	< 19 U	--
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 1.9 U	--	--	< 3.4 U	< 1.9 U	--

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-5
POLYNUCLEAR AROMATIC HYDROCARBON (PAH) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 4)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	0.2	--	--
					BCL	2190	1100	11000	0.092	0.2	0.092	1100
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 1.2 UJ-	< 2.2 UJ-	< 0.1 UJ-	< 0.13 UJ-	< 0.15 UJ-	< 0.37 UJ-	< 0.53 UJ-
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 0.165 U	< 0.165 U	< 0.165 U	< 0.165 U	< 0.165 U	< 0.165 U	< 0.165 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 UJ	< 0.53 UJ
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 UJ	< 0.53 UJ
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 U	< 0.53 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.179 UJ	< 0.179 UJ	< 0.179 UJ	< 0.179 UJ	< 0.179 UJ	< 0.179 UJ	< 0.179 UJ
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.0446 U	< 0.0446 U	< 0.0446 U	< 0.0446 U	< 0.0446 U	< 0.0446 U	< 0.0446 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 U	< 0.53 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 U	< 0.53 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 1.2 UJ-	< 2.2 UJ-	< 0.1 UJ-	< 0.13 UJ-	< 0.15 UJ-	< 0.37 UJ-	< 0.53 UJ-
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 1.2 UJ-	< 2.2 UJ-	< 0.1 UJ-	< 0.13 UJ-	< 0.15 UJ-	< 0.37 UJ-	< 0.53 UJ-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	0.0543 J	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.2 UJ-	< 2.2 UJ-	< 0.1 UJ-	< 0.13 UJ-	< 0.15 UJ-	< 0.37 UJ-	< 0.53 UJ-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	0.0512 J	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 5.96 U	< 3.85 U	< 3.85 U	< 3.85 U	< 3.85 U	< 3.85 U	< 3.85 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.0485 U	< 0.0485 U	< 0.0485 U	< 0.0485 U	< 0.0485 U	< 0.0485 U	< 0.0485 U

TABLE 3-5
POLYNUCLEAR AROMATIC HYDROCARBON (PAH) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	0.2	--	--
					BCL	2190	1100	11000	0.092	0.2	0.092	1100
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.0424 U	< 0.0424 U	< 0.0424 U	< 0.0424 U	< 0.0424 U	< 0.0424 U	< 0.0424 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 UJ	< 0.53 UJ
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	0.174 J	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	0.25	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	0.237	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	0.214	< 0.177 U	< 0.177 U	< 0.177 U	< 0.177 U	< 0.177 U	< 0.177 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 U	< 0.53 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.045 U	< 0.045 U	< 0.045 U	< 0.044 U	< 0.045 U	< 0.045 U	< 0.045 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 0.189 UJ	< 0.189 UJ	< 0.189 UJ	< 0.189 UJ	< 0.189 UJ	< 0.189 UJ	< 0.189 UJ
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	0.336	< 0.048 U	0.0968 J	< 0.048 U	0.0759 J	0.0727 J	0.0699 J
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	0.367	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	0.322	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 2.8 U	< 2.8 U	< 2.4 U	< 2.4 U	< 2.8 U	< 1.9 U	< 3.8 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 2.9 U	< 2.9 U	< 2.4 U	< 2.4 U	< 2.9 U	< 1.9 U	< 3.8 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 2.9 U	< 2.9 U	< 2.4 U	< 2.4 U	< 2.9 U	< 1.9 U	< 3.8 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 2.8 U	< 2.8 U	< 2.4 U	< 2.4 U	< 2.8 U	< 1.9 U	< 3.8 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 2.9 U	< 2.9 U	< 2.4 U	< 2.4 U	< 2.9 U	< 1.9 U	< 3.8 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 2.8 U	< 2.8 U	< 2.4 U	< 2.4 U	< 2.8 U	< 1.9 U	< 3.8 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 28 U	< 28 U	< 24 U	< 24 U	< 28 U	< 19 U	< 38 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 2.9 U	< 2.9 U	< 2.4 U	< 2.4 U	< 2.9 U	< 1.9 U	< 3.9 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-5
POLYNUCLEAR AROMATIC HYDROCARBON (PAH) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	0.92	9.2	0.0092	0.092	1100	1100
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 0.12 UJ-	< 0.16 UJ-	< 0.32 UJ-	< 0.61 UJ-	< 0.18 UJ-	< 0.34 UJ-
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 0.165 U	< 0.165 U	< 0.165 U	< 0.165 U	< 0.165 U	< 0.165 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.12 U	< 0.16 U	< 0.32 UJ	< 0.61 U	< 0.18 U	< 0.34 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.12 U	< 0.16 U	< 0.32 UJ	< 0.61 U	< 0.18 U	< 0.34 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.12 U	< 0.16 U	< 0.32 U	< 0.61 U	< 0.18 U	< 0.34 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.179 UJ	< 0.179 UJ	< 0.179 UJ	< 0.179 UJ	< 0.179 UJ	< 0.179 UJ
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.0446 U	< 0.0446 U	< 0.0446 U	< 0.0446 U	< 0.0446 U	< 0.0446 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.12 U	< 0.16 U	< 0.32 U	< 0.61 U	< 0.18 U	< 0.34 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.12 U	< 0.16 U	< 0.32 U	< 0.61 U	< 0.18 U	< 0.34 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.048 U	< 0.049 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 0.12 UJ-	< 0.16 UJ-	< 0.32 UJ-	< 0.61 UJ-	< 0.18 UJ-	< 0.34 UJ-
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.12 UJ-	< 0.16 UJ-	< 0.32 UJ-	< 0.61 UJ-	< 0.18 UJ-	< 0.34 UJ-
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.12 UJ-	< 0.16 UJ-	< 0.32 UJ-	< 0.61 UJ-	< 0.18 UJ-	< 0.34 UJ-
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 3.85 U	< 3.85 U	< 3.85 U	< 3.85 U	< 3.85 U	< 5.77 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.0485 U	< 0.0485 U	< 0.0485 U	< 0.0485 U	< 0.0485 U	< 0.0485 U

TABLE 3-5
POLYNUCLEAR AROMATIC HYDROCARBON (PAH) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--
					BCL	0.92	9.2	0.0092	0.092	1100	1100
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.0424 U	< 0.0424 U	< 0.0424 U	< 0.0424 U	< 0.0424 U	< 0.0424 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U	< 0.192 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.12 U	< 0.16 U	< 0.32 UJ	< 0.61 U	< 0.18 U	< 0.34 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 0.177 U	< 0.177 U	< 0.177 U	< 0.177 U	< 0.177 U	< 0.177 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 0.12 U	< 0.16 U	< 0.32 U	< 0.61 U	< 0.18 U	< 0.34 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 0.189 UJ	< 0.189 UJ	< 0.189 UJ	< 0.189 UJ	< 0.189 UJ	< 0.189 UJ
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U	< 0.0481 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	0.0764 J	< 0.048 U	0.0899 J	0.0633 J	0.267	0.0914 J
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 0.189 U	< 0.189 U	< 0.189 U	< 0.189 U	0.173 J	< 0.189 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	0.145 J	< 0.0476 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U	< 0.0476 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 2.4 U	< 2.4 U	< 2.8 U	< 3.3 U	< 3.3 U	< 3.8 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 2.4 U	< 2.4 U	< 2.9 U	< 3.3 U	< 3.3 U	< 3.8 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 2.4 U	< 2.4 U	< 2.9 U	< 3.3 U	< 3.3 U	< 3.8 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 2.4 U	< 2.4 U	< 2.8 U	< 3.3 U	< 3.3 U	< 3.8 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U	< 0.0472 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 2.4 U	< 2.4 U	< 2.9 U	< 3.4 U	< 3.4 U	< 3.8 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 2.4 U	< 2.4 U	< 2.8 U	< 3.3 U	< 3.3 U	< 3.8 UJ
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 24 U	< 24 U	< 28 U	< 33 U	< 33 U	< 38 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 2.4 U	< 2.4 U	< 2.9 U	< 3.4 U	< 3.4 U	< 3.9 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-6
ORGANOCHLORINE PESTICIDE RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 6)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	2,4-DDD	2,4-DDE	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin	alpha-BHC	alpha-Chlordane
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--	--	--
					BCL	--	--	0.28	0.2	0.2	0.004	0.011	--
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	--	< 0.05 U	< 0.006 U	< 0.006 U	< 0.014 U	< 0.01 U	34 J-	< 0.007 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	R	0.058 J	R	R	R	R	R	R
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.011 U	0.055 J	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	56	< 0.003 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	58	< 0.003 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	63	< 0.02 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	62	< 0.02 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	--	< 0.05 UJ-	< 0.017 UJ-	< 0.0074 UJ	< 0.028 UJ-	< 0.011 UJ-	2.5 J-	< 0.02 UJ-
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	--	< 0.05 UJ-	< 0.017 UJ-	< 0.0074 UJ	< 0.028 UJ-	< 0.011 UJ-	2.5 J-	< 0.02 UJ-
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	1.8	< 0.0057 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	1.4	< 0.003 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	1.4	< 0.003 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	1.5	< 0.003 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	1.8	< 0.02 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	1.4 J	< 0.02 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	--	< 0.05 U	< 0.017 U	< 0.0074 U	< 0.028 U	< 0.011 U	1.9 J-	< 0.02 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	0.4	< 0.0057 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	0.35	< 0.003 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	0.45	< 0.003 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.51	< 0.02 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.42	< 0.02 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	--	< 0.05 U	< 0.017 U	< 0.0074 U	< 0.028 U	< 0.011 U	7.9 J-	< 0.02 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	--	< 0.05 U	< 0.017 U	< 0.0074 U	< 0.028 U	< 0.011 U	8.1 J-	< 0.02 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	5	< 0.0057 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	4.3	< 0.0057 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	6	< 0.003 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	6.2	< 0.003 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	6.7	< 0.02 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	4.8	< 0.02 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	--	0.5 J-	< 0.017 UJ-	< 0.0074 UJ	< 0.028 UJ-	< 0.011 UJ-	130 J-	< 0.02 UJ-
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.0071 U	0.36 J	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	180	< 0.0057 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	0.08	0.59	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	200	0.28
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.011 U	0.28	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	170	< 0.003 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	0.17 J+	0.85 J	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	130	< 0.003 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	0.19 J+	0.88 J	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	140	< 0.003 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 0.01 U	0.56 J+	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	130	0.22 J+
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	0.072	0.68	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	120 J	0.25
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	0.078	0.76	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	140 J	0.38
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	--	1.2	< 0.017 U	< 0.0074 U	< 0.028 U	< 0.011 U	79 J-	< 0.02 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	0.17 J	0.34 J	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	21	0.098 J
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	0.18 J	0.6 J	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	12	< 0.003 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	0.31 J	0.46 J	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	8.9	< 0.003 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 0.01 U	0.67 J+	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	12	0.14 J+
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.01 U	0.67 J+	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	14	0.15 J
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.01 U	0.56	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	11 J	0.22 J
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	--	< 0.05 U	< 0.017 U	< 0.0074 U	< 0.028 U	< 0.011 U	6.5 J-	< 0.02 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	0.23 J	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	4.1	< 0.0057 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	4.6	< 0.003 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	0.21 J	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	5.1	< 0.003 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	5.6	< 0.02 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	6.1	< 0.02 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	4.6	0.067 J
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	1.2 J	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	0.13 J	4.4	< 0.003 U
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	5.5	< 0.02 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	4.8	< 0.02 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	0.94	< 0.003 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	1.3	< 0.003 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	1.1	< 0.02 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	1.2	< 0.02 U

TABLE 3-6
ORGANOCHLORINE PESTICIDE RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 6)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	2,4-DDD	2,4-DDE	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin	alpha-BHC	alpha-Chlordane
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--	--	--
					BCL	--	--	0.28	0.2	0.2	0.004	0.011	--
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	1.3 J	< 0.02 U
Shallow	Down-Gradient	H-43	55a	N	01/27/09	0.76	0.16	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	6.9	< 0.003 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	7.2	< 0.003 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	--	0.077 J+
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	8.4	< 0.02 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	< 0.0025 U	< 0.003 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	< 0.0025 U	< 0.003 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.073	< 0.02 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.01 UJ	< 0.01 UJ	< 0.01 UJ	< 0.02 UJ	< 0.01 UJ	< 0.01 UJ	< 0.01 UJ	< 0.02 UJ
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	--	0.86 J-	0.18 J-	< 0.0074 UJ	< 0.028 UJ-	< 0.011 UJ-	370 J-	0.19 J-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	0.96 J	0.34 J	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	320	< 0.0057 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.011 U	0.8 J+	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	390	< 0.003 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.011 UJ	0.5 J	< 0.0038 UJ	0.3 J	< 0.0056 UJ	< 0.004 UJ	--	0.53 J
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.011 U	0.62 J+	< 0.0038 U	< 0.0027 UJ	< 0.0056 U	< 0.004 U	410	0.12 J
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 0.01 U	0.62	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	550	< 0.02 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 0.01 U	1	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	470	< 0.02 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	--	< 0.05 UJ-	< 0.017 UJ-	< 0.0074 UJ	< 0.028 UJ-	< 0.011 UJ-	8.3 J-	< 0.02 UJ-
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.0071 U	< 0.012 U	0.06 J+	< 0.013 U	< 0.013 U	< 0.0044 U	7.9 J-	< 0.0057 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	0.46 J	10	< 0.003 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	14	< 0.003 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	13	< 0.02 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	0.5 J+	11	< 0.02 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	--	--	0.83 J	--	26 J	--	4.7 J	--
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 0.01 U	6.6 J+	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	1.1 J+	< 0.02 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	100	< 0.003 U
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.011 UJ	< 0.009 UJ	< 0.0038 UJ	< 0.0027 UJ	< 0.0056 UJ	< 0.004 UJ	100 J-	< 0.003 UJ
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	120	< 0.02 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	140 J	< 0.02 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 0.011 U	0.23 J	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	48	< 0.003 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.011 UJ	< 0.009 UJ	< 0.0038 UJ	< 0.0027 UJ	< 0.0056 UJ	< 0.004 UJ	62 J-	0.23 J
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	0.36 J+	0.26 J+	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	66	< 0.02 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	61 J+	< 0.02 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 0.02 U	< 0.02 U	< 0.03 U	< 0.03 U	< 0.03 U	< 0.0015 U	1.8	--
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 0.02 U	< 0.02 U	< 0.03 U	< 0.03 U	< 0.03 U	< 0.0015 U	0.42	--
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 0.02 UJ	< 0.02 UJ	< 0.03 UJ	< 0.03 UJ	< 0.03 UJ	< 0.0015 UJ	2.5 J	--
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 0.04 U	< 0.04 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.003 U	25	--
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 0.01 U	1.9 J	0.61	6.6	4.9 J	< 0.01 U	1.2 J	< 0.02 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 0.02 U	< 0.02 U	< 0.03 U	< 0.03 U	< 0.03 U	< 0.0015 U	< 0.0025 U	--
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 0.02 U	< 0.02 U	< 0.03 U	< 0.03 U	< 0.03 U	< 0.0015 U	< 0.0025 U	--
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 0.02 U	< 0.02 U	< 0.03 U	< 0.03 U	< 0.03 U	< 0.0015 U	< 0.0025 U	--
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 0.02 U	< 0.02 U	< 0.03 U	< 0.03 U	< 0.03 U	< 0.0015 U	< 0.0025 U	--

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-6
ORGANOCHLORINE PESTICIDE RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	2	--	--	--	--	--	2
					BCL	0.037	2	--	0.0042	--	--	--	2
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 0.017 U	< 0.09 U	4.8 J-	< 0.005 U	< 0.02 U	< 0.006 U	< 0.006 U	< 0.009 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	R	R	6.7	R	R	R	R	R
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.013 U	< 0.18 U	7.3	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.013 U	< 0.18 U	7	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 0.01 U	< 0.04 U	8.1	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 0.01 U	< 0.04 U	8.2 J	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	0.12 J-	< 0.19 UJ-	1.3 J-	< 0.011 UJ-	< 0.0099 UJ	< 0.043 UJ-	< 0.013 UJ-	< 0.014 UJ-
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	0.12 J-	< 0.19 UJ-	1.5 J-	< 0.011 UJ-	< 0.0099 UJ	< 0.043 UJ-	< 0.013 UJ-	< 0.014 UJ-
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.015 U	< 0.099 U	1.8 J	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.013 U	< 0.18 U	1.7 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.013 U	< 0.18 U	1.6 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.013 U	< 0.18 U	1.3	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.01 U	< 0.04 U	2	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.01 U	< 0.04 U	1.7 J	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	0.37	< 0.19 U	0.16	< 0.011 U	< 0.0099 U	< 0.043 U	< 0.013 U	< 0.014 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.015 U	< 0.099 U	0.12 J	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.013 U	< 0.18 U	0.086 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.013 U	< 0.18 U	0.13 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.01 U	< 0.04 U	0.18	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.01 U	< 0.04 U	0.11	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	1.6 J-	< 0.19 U	3 J-	< 0.011 U	< 0.0099 U	< 0.043 U	< 0.013 U	< 0.014 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	1.8 J-	< 0.19 U	3.1 J-	< 0.011 U	< 0.0099 U	< 0.043 U	< 0.013 U	< 0.014 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	1.9	< 0.099 U	4.2	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	1.8	< 0.099 U	3	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	2	< 0.18 U	3.1	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	2.3	< 0.18 U	3.9	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	2.5	< 0.04 U	3.9	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	2.2	< 0.04 U	2.7 J	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	27 J-	< 0.19 UJ-	3.9 J-	< 0.011 UJ-	< 0.0099 UJ	< 0.043 UJ-	< 0.013 UJ-	< 0.014 UJ-
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	50	< 0.099 U	4.3	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	89	< 0.18 U	5.3	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	43	< 0.18 U	3	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	72	< 0.18 U	3.9	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	84	< 0.18 U	4.5	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	66	< 0.04 U	4	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	79	< 0.04 U	5.1	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	86	< 0.04 U	5.4	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	49 J-	< 0.19 U	3.4	< 0.011 U	< 0.0099 U	< 0.043 U	< 0.013 U	< 0.014 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	24	< 0.099 U	2.6 J	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	30	< 0.18 U	2.7	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	27	< 0.18 U	1.2 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	33	< 0.04 U	1.6	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	40	< 0.04 U	3.9	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	34	< 0.04 U	3	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	16 J-	< 0.19 U	2.3 J-	< 0.011 U	< 0.0099 U	< 0.043 U	< 0.013 U	< 0.014 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	15	< 0.099 U	1.2 J	< 0.0057 U	0.21 J	< 0.0053 U	< 0.0063 U	< 0.0068 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	18	< 0.18 U	1.5	< 0.0023 U	0.31	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	18	< 0.18 U	1.7	< 0.0023 U	0.097 J	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	16	< 0.04 U	1.8	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	19	< 0.04 U	2.4 J	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	28	< 0.18 U	3.8 J	< 0.0023 U	< 0.0025 U	0.15 J	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	29	< 0.18 U	3 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	26	< 0.04 U	3.6	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	33	< 0.04 U	4.8 J	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.013 U	< 0.18 U	0.86	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.013 U	< 0.18 U	0.61	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 0.01 U	< 0.04 U	0.82	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 0.01 U	< 0.04 U	1	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U

TABLE 3-6
ORGANOCHLORINE PESTICIDE RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 6)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	2	--	--	--	--	--	2
					BCL	0.037	2	--	0.0042	--	--	--	2
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.01 U	< 0.04 U	0.7	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	H-43	55a	N	01/27/09	19	< 0.18 U	2.8	< 0.0023 U	< 0.0025 U	0.23	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	17	< 0.18 U	1.8 J	< 0.0023 U	0.25 J	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	18	< 0.04 U	2.5	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	20	< 0.04 U	2.9	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.013 U	< 0.18 U	0.098	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.013 U	< 0.18 U	0.049 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.01 U	< 0.04 U	0.11	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.01 UJ	< 0.04 UJ	0.096 J-	< 0.01 UJ	< 0.02 UJ	< 0.01 UJ	< 0.01 UJ	< 0.01 UJ
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.01 U	< 0.04 U	0.056	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	53 J-	< 0.19 UJ-	9.6 J-	0.62 J-	< 0.0099 UJ	0.2 J-	0.26 J-	< 0.014 UJ-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	72	< 0.099 U	7.4	0.51 J	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	57	< 0.18 U	7.9	0.22 J	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	65 J-	< 0.18 UJ	8.2 J-	0.4 J	< 0.0025 UJ	< 0.01 UJ	< 0.017 UJ	< 0.0028 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	67	< 0.18 U	8.3	0.31 J	< 0.0025 U	0.24 J	< 0.017 U	< 0.0028 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	83	< 0.04 U	9.3	0.52	< 0.02 U	0.62	< 0.01 U	< 0.01 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	72	< 0.04 U	11	0.19	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	3.5 J-	< 0.19 UJ-	5.6 J-	< 0.011 UJ-	< 0.0099 UJ	< 0.043 UJ-	< 0.013 UJ-	< 0.014 UJ-
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.015 U	< 0.099 U	6.1 J-	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.013 U	< 0.18 U	7.8 J	< 0.0023 U	< 0.0025 U	0.17 J	< 0.017 U	< 0.0028 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.013 U	< 0.18 U	6	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 0.01 U	< 0.04 U	9.8	< 0.01 U	< 0.02 U	0.068 J+	< 0.01 U	< 0.01 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 0.01 U	< 0.04 U	9.1 J+	< 0.01 U	< 0.02 U	0.053 J+	< 0.01 U	< 0.01 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	--	--	0.27 J	--	--	--	--	--
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 0.01 U	< 0.04 U	0.27 J+	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.013 U	< 0.18 U	35	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.013 UJ	< 0.18 UJ	36 J-	< 0.0023 UJ	< 0.0025 UJ	< 0.01 UJ	< 0.017 UJ	< 0.0028 UJ
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 0.01 U	< 0.04 U	40	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.01 U	< 0.04 U	46 J+	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.11 J+
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	24	< 0.18 U	3.2	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	33 J-	< 0.18 UJ	3.7 J-	< 0.0023 UJ	0.44 J	0.54 J	< 0.017 UJ	< 0.0028 UJ
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	33	< 0.04 U	4.1	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	30 J+	< 0.04 U	4.3 J	< 0.01 U	< 0.02 U	0.84 J+	< 0.01 U	< 0.01 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	0.27	< 0.04 U	0.31	< 0.002 U	< 0.03 U	< 0.04 U	< 0.051 U	< 0.03 U
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 0.004 U	< 0.04 U	< 0.02 U	< 0.002 U	< 0.03 U	< 0.04 U	< 0.05 U	< 0.03 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 0.004 UJ	< 0.04 UJ	0.34 J	< 0.002 UJ	< 0.03 UJ	< 0.04 UJ	< 0.05 UJ	< 0.03 UJ
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	11	< 0.08 U	4.1	< 0.004 U	< 0.06 U	< 0.08 U	< 0.1 U	< 0.06 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	0.79	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	0.0065	< 0.04 U	< 0.02 U	< 0.002 U	< 0.03 U	< 0.04 U	< 0.05 U	< 0.03 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 0.004 U	< 0.04 U	< 0.02 U	< 0.002 U	< 0.03 U	< 0.04 U	< 0.05 U	< 0.03 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 0.004 U	< 0.04 U	< 0.02 U	< 0.002 U	< 0.03 U	< 0.04 U	< 0.05 U	< 0.03 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 0.004 U	< 0.04 U	< 0.02 U	< 0.002 U	< 0.03 U	< 0.04 U	< 0.05 U	< 0.03 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-6
ORGANOCHLORINE PESTICIDE RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Endrin aldehyde	Endrin ketone	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Lindane	Methoxychlor	Toxaphene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	0.4	0.2	0.2	40	3
					BCL	--	--	--	0.4	0.2	0.2	40	3
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 0.007 U	< 0.006 U	< 0.006 U	< 0.006 UJ-	< 0.006 U	< 0.005 U	< 0.013 U	< 0.27 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	R	R	R	R	R	R	R	R
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	0.051 J+	< 0.66 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.66 U	< 0.66 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.03 UJ-	< 0.03 UJ-	< 0.02 UJ-	< 0.015 UJ-	< 0.0099 UJ	0.19 J-	< 0.053 UJ-	< 1.9 UJ-
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.03 UJ-	< 0.03 UJ-	< 0.02 UJ-	< 0.015 UJ-	< 0.0099 UJ	0.17 J-	< 0.053 UJ-	< 1.9 UJ-
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.009 U	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	< 0.0032 U	< 0.01 U	< 0.59 U
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.66 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.66 U	< 0.66 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.03 U	< 0.03 U	< 0.02 U	< 0.015 U	< 0.0099 U	0.23	< 0.053 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.009 U	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	< 0.0032 U	< 0.01 U	< 0.59 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.66 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.66 U	< 0.66 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.03 U	< 0.03 U	0.084	< 0.015 U	< 0.0099 U	1.8 J-	< 0.053 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.03 U	< 0.03 U	0.069	< 0.015 U	< 0.0099 U	1.8 J-	< 0.053 U	< 1.9 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.009 U	< 0.005 U	0.06 J	< 0.034 U	< 0.0062 U	0.72	< 0.01 U	< 0.59 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.009 U	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	0.63	< 0.01 U	< 0.59 U
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.0032 U	< 0.016 U	0.074 J	< 0.0025 U	< 0.0032 U	1.5	< 0.005 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.0032 U	< 0.016 U	0.06 J	< 0.0025 U	< 0.0032 U	1.4	< 0.005 U	< 0.33 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	1.3	< 0.01 U	< 0.66 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	0.85	< 0.66 U	< 0.66 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 0.03 UJ-	< 0.03 UJ-	< 0.02 UJ-	< 0.015 UJ-	< 0.0099 UJ	9.7 J-	< 0.053 UJ-	< 1.9 UJ-
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.009 U	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	4.7	< 0.01 U	< 0.59 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	0.097	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	3	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	4.7	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	0.076 J	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	1.8	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	0.071 J	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	1.8	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	0.049 J+	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	2.5	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	0.11	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	2.1	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	0.12	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	2	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.03 U	< 0.03 U	< 0.02 U	< 0.015 U	< 0.0099 U	< 0.018 U	< 0.053 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.009 U	< 0.005 U	< 0.0088 U	1.2 J	< 0.0062 U	< 0.0032 U	< 0.01 U	< 0.59 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.2 J	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.0032 U	< 0.016 U	0.18 J	0.25 J	< 0.0032 U	0.091 J	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 0.01 U	< 0.02 U	0.32 J+	< 0.003 U	< 0.01 U	0.19 J+	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	0.12 J+	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	0.11	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.03 U	< 0.03 U	< 0.02 U	< 0.015 U	< 0.0099 U	< 0.018 U	< 0.053 U	< 1.9 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	0.1 J	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	0.12 J	< 0.01 U	< 0.59 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	0.12	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.24	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.12 J	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.8 J+	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	0.073 J+	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.66 U

TABLE 3-6
ORGANOCHLORINE PESTICIDE RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 6 of 6)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Endrin aldehyde	Endrin ketone	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Lindane	Methoxychlor	Toxaphene
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	0.4	0.2	0.2	40	3
					BCL	--	--	--	0.4	0.2	0.2	40	3
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	H-43	55a	N	01/27/09	0.8	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.27	0.2	< 0.33 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.37 J	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.01 U	< 0.02 U	< 0.01 U	0.22 J+	< 0.01 U	0.14 J+	0.055 J+	< 0.66 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.2	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.0032 U	< 0.016 U	< 0.0027 U	0.15 J	< 0.0032 U	0.2	< 0.005 U	< 0.33 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	0.24	< 0.01 U	< 0.66 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.01 UJ	< 0.02 UJ	< 0.01 UJ	< 0.003 UJ	< 0.01 UJ	0.2 J-	< 0.01 UJ	< 0.66 UJ
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	0.17	< 0.66 U	< 0.66 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.03 UJ-	< 0.03 UJ-	< 0.02 UJ-	< 0.015 UJ-	< 0.0099 UJ	50 J-	< 0.053 UJ-	< 1.9 UJ-
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	0.2 J	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	34	< 0.01 U	< 0.59 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	39	< 0.005 U	< 0.33 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.0032 UJ	< 0.016 UJ	< 0.0027 UJ	< 0.0025 UJ	< 0.0032 UJ	44 J	< 0.005 UJ	< 0.33 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	44	< 0.005 U	< 0.33 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	50	< 0.01 UJ	< 0.66 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	50	< 0.66 U	< 0.66 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 0.03 UJ-	< 0.03 UJ-	< 0.02 UJ-	< 0.015 UJ-	< 0.0099 UJ	9 J-	< 0.053 UJ-	< 1.9 UJ-
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.009 U	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	10 J-	< 0.01 U	< 0.59 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	10 J	< 0.005 U	< 0.33 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	13	< 0.005 U	< 0.33 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	12 J	< 0.01 U	< 0.66 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	14 J	< 0.66 U	< 0.66 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	--	--	--	--	--	--	--	--
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.001 U	< 0.66 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	2.3 J	< 0.005 U	< 0.33 U
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.0032 UJ	< 0.016 UJ	< 0.0027 UJ	< 0.0025 UJ	< 0.0032 UJ	1.4 J-	0.052 J	< 0.33 UJ
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	1.9	< 0.01 U	< 0.66 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	3.1 J+	0.083 J+	< 0.66 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.31 J	< 0.005 U	< 0.33 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.0032 UJ	< 0.016 UJ	< 0.0027 UJ	< 0.0025 UJ	< 0.0032 UJ	0.65 J	< 0.005 UJ	< 0.33 UJ
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	0.52 J+	< 0.01 U	< 0.66 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	1.3 J	< 0.01 U	< 0.66 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	< 0.003 U	< 0.001 U	< 0.66 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	< 0.051 U	< 0.04 U	--	< 0.003 U	< 0.0025 U	< 0.03 U	< 0.04 U	< 0.25 UJ
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	< 0.05 U	< 0.04 U	--	< 0.003 U	< 0.0025 U	< 0.03 U	< 0.04 U	< 0.25 U
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 0.05 UJ	< 0.04 UJ	--	< 0.003 UJ	< 0.0025 UJ	0.99 J	< 0.04 UJ	< 0.25 UJ
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 0.1 U	< 0.08 U	--	< 0.006 U	< 0.005 U	9.8	< 0.08 U	< 0.5 UJ
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	< 0.01 U	< 0.02 U	< 0.01 U	< 0.003 U	< 0.01 U	0.41	< 0.001 U	< 0.66 U
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	< 0.05 U	< 0.04 U	--	< 0.003 U	< 0.0025 U	< 0.03 U	< 0.04 U	< 0.25 U
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	< 0.05 U	< 0.04 U	--	< 0.003 U	< 0.0025 U	< 0.03 U	< 0.04 U	< 0.25 U
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	< 0.05 U	< 0.04 U	--	< 0.003 U	< 0.0025 U	< 0.03 U	< 0.04 U	< 0.25 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	< 0.05 U	< 0.04 U	--	< 0.003 U	< 0.0025 U	< 0.03 U	< 0.04 U	< 0.25 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-7
TOTAL METALS RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
					MCL	--	6	10	2000	4	--	5	--
					BCL	36500	6	10	2000	4	7300	5	--
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 212 U	2.2 J	241	76.3 J	< 0.57 U	1300	< 0.53 UJ-	906
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 248 U	< 5.6 U	336	51	< 13 U	< 1800 U	< 1 U	1010
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 36 U	< 0.7 U	293	52.9	< 0.8 U	1610	< 0.4 U	974
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 18 U	< 0.35 U	293	51.8	< 0.4 U	1830	< 0.2 U	964 J-TDS
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 3.6 U	< 5 U	298	50.8	< 0.08 U	1740	< 0.04 U	993
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 36.2 U	< 0.7 U	294	53.1	< 0.8 U	1780	< 0.4 U	965 J-TDS
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 106 U	< 1.6 U	195	55.3 J+	< 0.57 U	2600 J+	< 0.53 U	480
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 106 U	< 1.6 U	184	54.1 J	< 0.57 U	2450	< 0.53 U	483
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 495 U	< 11 U	210 J	53.9 J	< 6.4 U	2500	< 2.1 U	655
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	18.9 J	< 0.35 U	188	57.4	< 0.4 U	2250	< 0.2 U	696
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	21.8 J	< 0.35 U	189	58.4	< 0.4 U	2310	< 0.2 U	717
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 18 U	< 0.35 U	195	56.8	< 0.4 U	2460	< 0.2 U	690 J-TDS
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	35.8	< 0.07 U	204	56.4	< 0.08 U	2420	0.06 J	752
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 36.2 U	< 0.7 U	193	57.9	< 0.8 U	2440	< 0.4 U	720 J-TDS
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 170 U	< 1.6 U	76.5	61.2 J	< 0.57 U	2670	< 0.53 U	345
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 248 U	< 5.6 U	106	39 J	< 3.2 U	3020 J-	< 1.1 U	477
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	36.3 J	< 0.35 U	106	40.6	< 0.4 U	2490	< 0.2 U	464
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	114	< 0.14 U	107	40.2	< 0.16 U	2730	< 0.08 U	459 J-TDS
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 36.2 U	< 0.7 U	111	42.1	< 0.8 U	2480	< 0.4 U	R-CAB&TDS
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 18.1 U	< 0.35 U	105	40	< 0.4 U	2370	< 0.2 U	495 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 43 U	< 1.6 U	117	53.7 J	< 0.57 U	1660	< 0.53 U	180
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 43 U	< 1.6 U	117	51.6 J	< 0.57 U	1790	< 0.53 U	182
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 198 U	< 4.5 U	89.1 J	37.5 J	< 2.6 U	1580	< 0.84 U	278
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 198 U	< 4.5 U	88 J	40.4	< 2.6 U	1640	< 0.84 U	298
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	57.4 J	< 0.14 U	104	41.4	< 0.16 U	1800	0.08 J	341
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 7.2 U	0.19 J	106	36.9	< 0.16 U	1840	< 0.08 U	300 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 300 U	< 0.7 U	103	36.7	< 0.8 U	1690	< 0.4 U	280 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 7.2 U	< 0.14 U	108	35.2	< 0.16 U	1530	< 0.08 U	288 J-TDS
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 851 U	< 1.6 U	161	< 3.1 U	< 0.57 U	2190 J	< 0.53 U	272
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 248 U	< 5.6 U	92.1 J	46.2 J	< 13 U	1660 J	< 1.1 U	368
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	50	< 0.7 U	104	49	< 0.8 U	1540	< 0.4 U	354
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 36 U	< 0.7 U	103	49.9	< 0.8 U	1580	< 0.4 U	362
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	530	< 0.7 U	106	51	< 0.8 U	1830 J	< 0.4 U	357 J-TDS
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	343	< 0.7 U	108	52.8	< 0.8 U	1810 J	< 0.4 U	359 J-TDS
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 300 U	< 0.7 U	99.9 J	50.1	< 0.8 U	1500	< 0.4 U	341
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 36.2 U	< 0.7 UJ	104	52.4	< 0.8 U	1660	< 0.4 U	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 36.2 U	< 0.7 UJ	104	51.6	< 0.8 U	1690	< 0.4 U	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 425 U	< 1.6 U	177	57 J	< 0.57 U	1490 J	< 0.53 U	209
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 248 U	< 5.6 U	55.6 J	34.9 J	< 13 U	2000 J	< 1.1 U	353
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 36 U	< 0.7 U	70.3 J	41.7	< 0.8 U	1860	< 0.4 U	377
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	548	< 0.7 U	113	47.2	< 0.8 U	2090	< 0.4 U	377 J-TDS
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 300 U	< 0.7 U	117	44.2	< 0.8 U	1820	< 0.4 U	325
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 36.2 U	< 0.7 UJ	85 J	38.2	< 0.8 U	1970	< 0.4 U	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 36.2 U	< 0.7 UJ	81.4 J	38.5	< 0.8 U	1980	< 0.4 U	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 85 U	< 1.6 U	81	46.6 J	< 0.57 U	1470	< 0.53 U	133
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 198 U	< 4.5 U	120 J	32.6 J	< 2.6 U	1300	< 0.84 U	209
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	19.1	< 0.14 U	137	42.8	< 0.16 U	1380	< 0.08 U	335
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 7.2 U	< 0.14 U	144	41.7	< 0.16 U	1490	< 0.08 U	299 J-TDS
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 36.2 U	< 0.7 U	127	36.6	< 0.8 U	1610	< 0.4 U	314 J-TDS
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 36.2 U	< 0.7 U	134	37.2	< 0.8 U	1460	< 0.4 U	R-CAB&TDS
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	19.4 J	< 0.35 U	28.8 J	35.8	< 0.4 U	2680	< 0.2 U	229
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	31.8 J	< 0.35 UJ	23.1 J	35.9	< 0.4 U	3010 J+	< 0.2 U	236 J-TDS
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	4.1 J	< 5 U	25.9	39.4	< 0.08 U	2770	< 0.04 U	278
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 18.1 U	< 0.35 UJ	22.3 J	35.8	< 0.4 U	2950	< 0.2 U	R-CAB&TDS
Shallow	Down-Gradient	H-28	55a	N	01/26/09	148	< 0.35 U	246	60.4	< 0.4 U	2360	< 0.2 U	575
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 18 U	< 0.35 U	268	55.2	< 0.4 U	2460 J-CAB	< 0.2 U	559 J-CAB
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 300 U	< 0.7 U	272	58	< 0.8 U	2390	< 0.4 U	582 J-TDS
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 300 U	< 0.7 U	267	55.8	< 0.8 U	2360	< 0.4 U	584 J-TDS

TABLE 3-7
TOTAL METALS RESULTS
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CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
					MCL	--	6	10	2000	4	--	5	--
					BCL	36500	6	10	2000	4	7300	5	--
Shallow	Down-Gradient	H-28	55d	N	10/20/09	109 J	< 0.35 UJ	306	61.7	< 0.4 U	2450	0.24 J	643 J-TDS
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 7.2 U	< 0.14 U	71.3	36	< 0.16 U	1430	< 0.08 U	223
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 7.2 U	< 0.14 U	76	41.8	< 0.16 U	1480	< 0.08 U	233 J-TDS
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 36.2 U	< 50 U	78.5 J	30.4	< 0.8 U	1560	< 0.4 U	246
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 36.2 U	< 0.7 U	72.9 J	31.5	< 0.8 U	1420	< 0.4 U	243 J-TDS
Shallow	Down-Gradient	M7B	55a	N	02/03/09	89	< 0.35 U	89.3	41.4	< 0.4 U	4270	< 0.2 U	626
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 18 U	< 0.35 U	88	39.9	< 0.4 U	4520	< 0.2 U	616 J-TDS
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 36.2 U	< 0.7 U	85.4 J	39.9	< 0.8 U	4210	< 0.4 U	589 J-TDS
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 36.2 U	< 0.7 U	86.4 J	40.5	< 0.8 U	4230	< 0.4 U	603 J-TDS
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 18.1 U	< 0.35 U	84.2	38	< 0.4 U	4070	< 0.2 U	R-CAB&TDS
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 851 U	< 1.6 U	153	7.7 J	1.9 J	218 J	< 0.53 U	227
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 248 U	< 5.6 U	125 J	30.4 J	< 13 U	1570 J	< 1.1 U	293
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 36 U	< 0.7 U	170	37.7	< 0.8 U	1410 J-CAB	< 0.4 U	307 J-CAB
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	349	< 0.7 U	175	34.2	< 0.8 U	1630 J-CAB	< 0.4 U	R-CAB&TDS
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 36 U	< 0.7 U	173	35.8	< 0.8 U	1590	< 0.4 U	345 J-TDS
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 36.2 U	< 0.7 U	162	34.6	< 0.8 U	1660	< 0.4 U	351
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 36.2 U	< 0.7 U	178	36	< 0.8 U	1380	< 0.4 U	366 J-TDS
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 851 U	< 1.6 U	307	111 J	< 0.57 U	1570 J	< 0.53 U	1510
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1981 U	< 45 U	782	< 105 U	< 26 U	< 3608 U	< 8.4 U	1660
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 72 U	< 1.4 U	630	35.2 J	< 1.6 U	996	< 0.8 U	1650
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 18 U	< 0.7 U	611	31.5	< 0.8 U	1080	< 0.4 U	1560
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	60.6 J	< 50 U	608	32.5	< 0.8 U	943	< 0.4 U	1410
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 72.4 U	< 1.4 U	626	33.8 J	< 1.6 U	924	< 0.8 U	1580 J-TDS
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	4350	< 5.6 U	445	90.8	< 12.79 U	2350 J	< 1.05 U	248
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	928	< 0.35 U	258	55.8	< 0.4 U	1520	< 0.2 U	270 J-TDS
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	94.4 J	< 0.7 U	360	49.9	< 0.8 U	2550	< 0.4 U	818
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 18 U	< 0.35 U	343	46.5	< 0.4 U	2570	< 0.2 U	835 J-TDS
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 300 U	< 0.7 U	342	45.3	< 0.8 U	2570	< 0.4 U	736 J-TDS
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 36.2 U	< 0.7 U	364	48.4	< 0.8 U	2510	< 0.4 U	778 J-TDS
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 36 U	< 0.7 U	187	67.2	< 0.8 U	1540	< 0.4 U	401
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 18 U	< 0.35 U	173	66.9	< 0.4 U	1600 J-CAB	< 0.2 U	R-CAB&TDS
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 300 U	< 0.7 U	184	70.8	< 0.8 U	1600	< 0.4 U	422 J-TDS
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 36.2 U	< 0.7 U	182	72	< 0.8 U	1530	< 0.4 U	442 J-TDS
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	87.8 J	< 0.35 U	39.8 J	26.6	< 0.4 U	597	< 0.2 U	58
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	< 0.45 U	28	250	0.54	--	0.54	590
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	< 0.33 U	28	280	0.48	--	0.7	320
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	< 0.64 U	260	48	< 0.4 U	--	0.21	500
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	< 0.12 U	44	38	< 0.08 U	--	< 0.04 U	56
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	93.7	< 0.07 U	6.6 J	29.9	< 0.08 U	923	0.076 J	27.7 J-CAB
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	< 0.096 U	42	29	< 0.08 U	--	0.055	41
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	< 0.076 U	49	25	< 0.08 U	--	0.068	25
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	< 0.08 U	23	36	< 0.08 U	--	< 0.04 U	47
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	< 0.94 U	460	97	< 0.4 U	--	< 0.2 U	53

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-7
TOTAL METALS RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 3 of 8)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
					MCL	100	100	--	1300	--	15	--	--
					BCL	100	100	11	1360	25600	15	73	207
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 6.9 U	< 10 U	< 0.29 U	< 4.7 UJ-	577	9.2	988 J+	1090
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 50 U	< 2.5 UJ	< 6.1 U	< 12 U	1870	< 12 U	804 J+	1070
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 5 U	< 50 U	0.3 J	< 5.6 U	3020	< 1.8 U	784	1060
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 2.5 U	< 30 U	0.33 J	< 2.8 U	2690	< 0.9 U	821	1030 J-TDS
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	1.1 J	< 75 U	1.1 J	< 2.8 U	6610	< 0.18 U	829	896
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 5 U	< 0.75 U	1.2 J	< 5.6 U	5480	< 1.8 U	947	1050 J-TDS
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 6.9 U	< 10 U	< 0.14 U	< 2.4 U	< 159 U	6	728 J+	621
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 6.9 U	< 10 U	< 0.14 U	< 2.4 U	< 159 U	6	741	636
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 100 U	< 3 UJ	< 12 U	< 24 U	< 380 U	< 25 U	566	682
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 2.5 U	< 10 U	1.4 J	< 2.8 U	1060	< 0.9 U	671	682
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 2.5 U	< 10 U	1.3 J	< 2.8 U	1050	< 0.9 U	693	702
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 2.5 U	< 3 U	1.4 J	< 2.8 U	725	< 0.9 U	666	662 J-TDS
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	0.95 J	< 3 U	2.2	< 2.8 U	4680	< 0.18 U	715	628
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 5 U	< 0.75 U	1.9 J	< 5.6 U	2930	< 1.8 U	754	714 J-TDS
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 6.9 U	< 10 U	< 0.23 U	< 3.8 U	155	3.6 J	391	398
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 50 U	< 25 UJ	< 6.1 U	6.7 J	< 190 U	< 12 U	446	418
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 2.5 U	< 10 U	0.88 J	< 2.8 U	720	< 0.9 U	380	396
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	1.1 J	< 3 U	0.85 J	< 1.1 U	485	< 0.36 U	393 J	386 J-TDS
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 5 U	< 3 U	< 20 U	< 5.6 U	1880	< 1.8 U	505	R-CAB&TDS
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 2.5 U	< 0.15 U	< 0.05 U	< 2.8 U	1500	< 0.9 U	413	462 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 6.9 U	< 10 U	< 0.06 U	< 0.94 U	< 16 U	< 1.8 U	220	99.8
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 6.9 U	< 10 U	< 0.06 U	< 0.94 U	< 16 U	2.4 J	217	104
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 40 U	< 2.5 U	< 2.9 U	6.4 J	< 152 U	< 9.8 U	217 J+	126
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 40 U	< 2.5 U	< 2.9 U	6.5 J	< 152 U	< 9.8 U	227 J+	141
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1 U	< 10 U	0.16 J	< 1.1 U	513	< 0.36 U	248	151
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1 U	< 3 U	0.13 J	< 1.1 U	223	< 0.36 U	259	132 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 5 U	< 3 U	< 20 U	< 5.6 U	1150	< 1.8 U	253 J	125 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	1.4 J	0.69	< 0.02 U	< 1.1 U	797	< 0.36 U	244 J	140 J-TDS
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 6.9 U	< 10 U	< 1.1 U	< 19 U	17 J	34.6	575	526
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 50 U	< 2.5 U	< 6.1 U	12.4 J	< 190 U	< 12 U	412 J+	395
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 5 U	< 10 U	1.1	< 5.6 U	563	< 1.8 U	498	419
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 5 U	< 10 U	1	< 5.6 U	488	< 1.8 U	497	429
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 5 U	< 3 U	< 0.1 U	< 5.6 U	350 J	< 1.8 U	518	412 J-TDS
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 5 U	< 3 U	< 0.1 U	< 5.6 U	347 J	< 1.8 U	517	415 J-TDS
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 5 U	< 3 U	< 20 U	< 5.6 U	1330	< 1.8 U	483	378
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	9.3 J	< 0.75 U	1.6 J	< 5.6 UJ	2540	< 1.8 U	468	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	8.1 J	< 0.75 U	1.5 J	< 5.6 UJ	2570	< 1.8 U	483	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 6.9 U	< 10 U	< 0.57 U	< 9.4 U	44.5 J	20	500	402
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 50 U	< 2.5 U	< 6.1 U	13.4 J	< 190 U	< 12 U	377 J+	367
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 5 U	< 10 U	0.66 J	< 5.6 U	757	< 1.8 U	< 26 U	449
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 5 U	< 6 U	< 0.1 U	< 5.6 U	611	< 1.8 U	556	428 J-TDS
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 5 U	< 3 U	< 20 U	< 5.6 U	1840	< 1.8 U	503	376
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	9.3 J	< 0.6 U	1.6 J	39.5 J-	2760	< 1.8 U	442	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	8.6 J	< 0.6 U	1.4 J	37 J-	2620	< 1.8 U	451	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 6.9 U	< 10 U	< 0.11 U	< 1.9 U	77.1 J	3.4 J	266	147
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 40 U	< 2.5 U	< 2.9 U	5.8 J	< 152 U	< 9.8 U	219 J+	153
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	1.1	< 20 U	0.13	< 1.1 U	774	< 0.36 U	306	213
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1 U	< 6 U	0.078 J	< 1.1 U	552	< 0.36 U	278	189 J-TDS
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 5 U	< 3 U	0.44 J	< 5.6 U	1370	< 1.8 U	284	193 J-TDS
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 5 U	< 0.15 U	< 0.1 U	< 5.6 U	1410	< 1.8 U	273	R-CAB&TDS
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 2.5 U	< 100 U	0.74 J	< 2.8 U	915	< 0.9 U	479	333
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	< 2.5 U	10.4 J	0.87 J	< 2.8 UJ	726	< 0.9 U	531 J+	357 J-TDS
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	1.1 J	< 15 U	1.3 J	< 2.8 U	1620	< 0.18 U	567	330
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	4.8 J	< 0.75 U	1.3 J	18.3 J-	2210	< 0.9 U	560	R-CAB&TDS
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 2.5 U	< 10 U	11.5	< 2.8 U	926	< 0.9 U	627	576
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 2.5 U	< 3 U	12.5	< 2.8 U	506	< 0.9 U	605	548 J-CAB
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 5 U	< 3 U	< 20 U	13.1	2090	< 1.8 U	647 J	560 J-TDS
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 5 U	< 3 U	< 20 U	< 5.6 U	2040	< 1.8 U	650 J	544 J-TDS

TABLE 3-7
TOTAL METALS RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
					MCL	100	100	--	1300	--	15	--	--
					BCL	100	100	11	1360	25600	15	73	207
Shallow	Down-Gradient	H-28	55d	N	10/20/09	4.4 J	< 0.15 U	15.6	< 2.8 UJ	4460	< 0.9 U	592	617 J-TDS
Shallow	Down-Gradient	H-43	55a	N	01/27/09	1.5	< 250 U	0.5	< 1.1 U	46700	0.45	319	188
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 1 U	< 300 U	< 0.02 U	< 1.1 U	16800	< 0.36 U	318	183 J-TDS
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 5 U	< 3 U	0.45 J	< 5.6 U	10400	< 1.8 U	315	193 J+
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 5 U	< 0.15 U	< 0.1 U	< 5.6 U	8650	< 1.8 U	313	198 J-TDS
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 2.5 U	< 10 U	0.35	< 2.8 U	998	< 0.9 U	442	447
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 2.5 U	< 3 U	0.21 J	< 2.8 U	486	< 0.9 U	421	417 J-TDS
Shallow	Down-Gradient	M7B	55c	N	07/28/09	5.5 J	< 3 U	0.72 J	< 5.6 U	2430	< 1.8 U	401	398 J-TDS
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 5 U	< 3 U	0.85 J	< 5.6 U	2370	< 1.8 U	398	409 J-TDS
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 2.5 U	< 0.75 U	< 0.05 U	< 2.8 U	1940	< 0.9 U	403	R-CAB&TDS
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 6.9 U	< 10 U	< 1.1 U	< 19 U	< 796 U	49.6	733	64.8
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 50 U	< 2.5 UJ	< 6.1 U	< 12 U	< 190 U	< 12 U	398 J+	353
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 5 U	< 20 U	0.39 J	< 5.6 U	494 J	< 1.8 U	< 26 U	376 J-CAB
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 5 U	18.5 J	0.46 J	< 5.6 U	< 48 U	< 1.8 U	466 J	R-CAB&TDS
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 5 U	18.5 J	0.43 J	< 5.6 U	< 48 U	< 1.8 U	462 J	400 J-TDS
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	5 J	< 6 U	< 20 U	< 5.6 U	1370	< 1.8 U	484	414
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 5 U	< 0.75 U	0.72 J	< 5.6 U	1550	< 1.8 U	446	465 J-TDS
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 6.9 U	< 10 U	< 1.1 U	< 19 U	< 16 U	38	1670	2190
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 400 U	< 3 UJ	< 49 U	< 94 U	< 1520 U	< 98 U	918 J	2270
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 10 U	< 10 U	3.2 J	< 11 U	2330	< 3.6 U	1200	2150
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 5 U	< 3 U	< 0.1 U	6.5 J	1160	< 1.8 U	1290	2020
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	6.2 J	< 3 U	3.7 J	< 5.6 U	4910	< 1.8 U	1320	1960
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 10 U	< 1.5 U	4.3 J	< 11.2 U	6780	< 3.6 U	1200	2290 J-TDS
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	250 U	< 2.5 UJ	< 6.1 U	15.4 J	3710	< 12.3 U	374 J+	271
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	4.5 J	< 0.15 U	1.8 J	< 2.8 U	5170	< 0.9 U	252	203 J-TDS
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 5 U	< 50 U	0.67 J	< 5.6 U	1720	< 1.8 U	574	819
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 2.5 U	< 15 U	0.64 J	< 2.8 U	1120	< 0.9 U	678	770 J-TDS
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 5 U	--	< 20 U	71.1 J-	3540	< 1.8 U	666	754 J-TDS
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 5 U	< 0.75 U	< 0.1 U	< 5.6 U	3830	< 1.8 U	620	827 J-TDS
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 5 U	< 50 U	0.19 J	< 5.6 U	1780	< 1.8 U	408	339
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 2.5 U	< 30 U	0.18 J	< 2.8 U	1770	< 0.9 U	470	R-CAB&TDS
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 5 U	< 6 U	< 20 U	23.7 J-	3060	< 1.8 U	477	361 J-TDS
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 5 U	< 0.75 U	< 0.1 U	< 5.6 U	3260	< 1.8 U	478	388 J-TDS
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	11.4 J	3.8	0.23 J	< 2.8 U	487	< 0.9 U	95.8 J	27.8
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	21	--	6.8	9.4	--	4.7	--	440
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	29	--	6.9	12	--	6.3	--	230
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	< 2.5 U	--	1.9	29 J+	--	< 0.9 U	--	470
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	< 0.5 U	--	0.086	< 0.56 U	--	0.39	--	26
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	0.82 J	< 0.75 UJ	0.41 J	1.1	10100	1.6 J	57.7	15.8 J-CAB
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	16	--	0.092	< 0.56 U	--	< 0.18 U	--	24
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	43	--	< 0.14 U	3.6	--	0.34	--	15
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	24	--	< 0.24 U	< 0.56 U	--	< 0.18 U	--	22
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	8700	--	130	140	--	< 0.9 U	--	25

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-7
TOTAL METALS RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium
					Units	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	mg/L
					MCL	--	2	--	--	--	50	--	--
					BCL	510	10.95	180	730	--	50	180	--
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	1740	< 0.046 U	17.5 J+	< 1.6 U	28.5	< 2.7 U	< 2.2 U	1470
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	2020	R	< 11 U	36.6 J	28.7	< 12 U	< 5.1 U	2780
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	2000	< 0.027 U	10.5 J	5.5 J	29	< 7 U	< 1.6 U	2710
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	1920	< 0.027 U	10.4 J	4.8 J	31.5 J-TDS	< 3.5 U	< 0.8 U	3020 J-TDS
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	1880	< 0.027 UJ	9.9	8.8	33.4	< 3.5 U	< 10 U	2970
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	1890	< 0.027 U	9 J	13.9 J	33.4 J-TDS	< 7 U	< 0.15 U	3110 J-TDS
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	1460	< 0.046 U	33.5 J	16.4 J	18.2	< 2.7 U	< 2.2 U	1440
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	1400	< 0.046 U	30.4 J	16.6 J	18.8	< 2.7 U	< 2.2 U	1440
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	1590	< 0.093 U	34.6 J	< 24 U	18.9	< 24 U	< 10 U	1640
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	1600	< 0.027 U	29.1	3.5 J	19.6	< 3.5 U	< 0.8 U	1720
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	1600	< 0.027 U	29	3.4 J	19.9	< 3.5 U	< 0.8 U	1780
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	1560	< 0.027 U	27.7	2.9 J	21.6 J-TDS	< 3.5 U	< 0.8 U	1910 J-TDS
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	1560	< 0.027 UJ	28.8	8	23.5	< 3.5 U	< 0.075 U	1970
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	1530	< 0.027 U	24.9 J	9.9 J	24.4 J-TDS	< 7 U	< 0.15 U	2020 J-TDS
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	1150	< 0.046 U	39.2 J	11.9 J	15.8	< 2.7 U	< 2.2 U	995
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	1280	< 0.093 U	< 11 U	17.6 J	16.6	< 12 U	< 5.1 U	1200
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	1230	< 0.027 U	37.6	4.4 J	16.6	< 3.5 U	< 0.8 U	1160
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	1240	< 0.027 U	38	2.4 J	16.4 J-TDS	< 1.4 U	< 0.32 U	1270 J-TDS
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	1250	< 0.027 U	34.7 J	6.3 J	R-CAB&TDS	< 7 U	< 0.15 U	R-CAB&TDS
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	1180	< 0.027 U	34.4	4.6 J	16.4 J-TDS	< 3.5 U	< 0.075 U	1320 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	300	< 0.046 U	59.3	7 J	19.8	< 2.7 U	< 2.2 U	560
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	338	< 0.046 U	58.1	7.2 J	20.3	< 2.7 U	< 2.2 U	565
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	22.6 J	< 0.093 U	< 9 U	< 9.7 U	19.5	< 9.6 U	< 4.1 U	681
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	24.5 J	< 0.093 U	< 9 U	10.1 J	21.3	< 9.6 U	< 4.1 U	759
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	29.3	< 0.027 U	43.3	2.5 J	21.4	< 1.4 U	< 0.32 U	834
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	34.1	< 0.027 U	41.3	1.7 J	22.8 J-TDS	< 1.4 U	< 0.32 U	856 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	24.9	< 0.027 U	< 50 U	5.3 J	23.9 J-TDS	< 50 U	< 0.15 U	842 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	24	< 0.027 U	39.9	2.8 J	21 J-TDS	1.4 J	< 0.03 U	878 J-TDS
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	587 J	< 0.046 U	< 12 U	< 6.3 U	63.9	< 2.7 U	< 2.2 U	9150
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	519	< 0.093 U	< 11 U	19 J	43.4	< 12 U	< 5.1 U	7020
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	543	< 0.027 U	16.1	4.4	48.9	12.2	< 1.6 U	6270
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	552	< 0.027 U	17.6	3	50.4	8.5	< 1.6 U	6420
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	645	< 0.027 UJ	16.5 J	4.7 J	45.4 J-TDS	< 7 U	< 1.6 U	5900 J-TDS
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	675	< 0.027 UJ	17.1 J	4.9 J	44.9 J-TDS	< 7 U	< 1.6 U	5900 J-TDS
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	621	< 0.027 U	16.2 J	7.3 J	49.9	< 7 U	< 0.15 U	5420
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	651	< 0.027 U	< 1.4 U	13.8 J	R-CAB&TDS	< 7 UJ	< 0.15 U	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	624	< 0.027 U	< 1.4 U	14.8 J	R-CAB&TDS	< 7 UJ	< 0.15 U	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	420 J	< 0.046 U	36.5 J	< 3.1 U	50	< 2.7 U	< 2.2 U	4250
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	355	< 0.093 U	< 11 U	17.6 J	51.3	< 12 U	< 5.1 U	7510
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	335	< 0.027 U	13 J	3.5 J	70.3	< 7 U	< 1.6 U	8880
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	400	< 0.027 U	22.2 J	4 J	77.8 J-TDS	< 7 U	< 1.6 U	8500 J-TDS
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	383	< 0.027 U	20.4 J	6.6 J	82	8.6 J	< 20 U	7600
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	408	< 0.027 U	< 1.4 U	12.1 J	R-CAB&TDS	< 7 UJ	< 0.15 U	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	391	< 0.027 U	< 1.4 U	11.7 J	R-CAB&TDS	< 7 UJ	< 0.15 U	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	344	< 0.046 U	15.1 J	< 0.63 U	22.8	< 2.7 U	< 2.2 U	988
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	135	< 0.093 U	< 9 U	< 9.7 U	24.4	< 9.6 U	< 4.1 U	958
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	195	< 0.027 U	27.6	1.6	33.6	2.5	< 0.32 U	1230
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	194	< 0.027 U	29.1	1.2 J	32 J-TDS	< 1.4 U	< 0.32 U	1190 J-TDS
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	174	< 0.027 UJ	22.9 J	6.2 J	32.1 J-TDS	< 7 U	< 0.15 U	1230 J-TDS
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	175	< 0.027 U	24.4 J	4.4 J	R-CAB&TDS	< 7 U	< 0.15 U	R-CAB&TDS
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	400	< 0.027 U	3.7 J	2.5 J	40.5	< 3.5 U	< 0.8 U	4350
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	360	< 0.027 UJ	1.8 J	3.3 J	40.1 J-TDS	< 3.5 UJ	< 0.8 U	4400 J-TDS
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	500	R	4 J	3.3 J	45	< 3.5 U	< 10 U	4040
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	448	< 0.027 U	< 0.7 U	9 J	R-CAB&TDS	< 3.5 UJ	< 0.075 U	R-CAB&TDS
Shallow	Down-Gradient	H-28	55a	N	01/26/09	2060	< 0.027 U	29.9	6.1	20.2	< 3.5 U	< 0.8 U	1480
Shallow	Down-Gradient	H-28	55b	N	04/22/09	2060	< 0.027 U	31.7	6.5 J	18.7 J-CAB	< 3.5 U	< 0.8 U	1470 J-CAB
Shallow	Down-Gradient	H-28	55c	N	07/22/09	2110	< 0.027 U	< 50 U	10.1 J	21.1 J-TDS	< 7 U	< 0.15 U	1390 J-TDS
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	2040	< 0.027 U	< 50 U	10.9 J	20.4 J-TDS	< 7 U	< 0.15 U	1410 J-TDS

TABLE 3-7
TOTAL METALS RESULTS
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium
					Units	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	mg/L
					MCL	--	2	--	--	--	50	--	--
					BCL	510	10.95	180	730	--	50	180	--
Shallow	Down-Gradient	H-28	55d	N	10/20/09	2200	< 0.027 U	29.6	23.5 J	18.1 J-TDS	< 3.5 UJ	< 0.075 U	1550 J-TDS
Shallow	Down-Gradient	H-43	55a	N	01/27/09	342	< 0.027 U	15	3.3	25	1.4	< 0.32 U	1110
Shallow	Down-Gradient	H-43	55b	N	04/21/09	383	< 0.027 U	13.8	2.6 J	25.3 J-TDS	1.4 J+	< 0.32 U	1120 J-TDS
Shallow	Down-Gradient	H-43	55c	N	07/30/09	280	< 0.027 UJ	10.9 J	6.3 J	23.8	< 7 U	< 0.15 U	1110
Shallow	Down-Gradient	H-43	55d	N	10/23/09	308	< 0.027 U	12.7 J	4.1 J	24.7 J-TDS	< 7 U	< 0.15 U	1080 J-TDS
Shallow	Down-Gradient	M7B	55a	N	02/03/09	1.9	< 0.027 U	26.7	3.1	30	11.6	< 0.8 U	1690
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 1.6 U	0.029 J	25.6	1.9 J	28 J-TDS	< 3.5 U	< 0.8 U	1680 J-TDS
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 3.1 U	< 0.2 U	24 J	10.2 J	25.4 J-TDS	8.7 J	< 0.15 U	1560 J-TDS
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 3.1 U	< 0.2 U	23 J	8.5 J	25.4 J-TDS	< 7 U	< 0.15 U	1580 J-TDS
Shallow	Down-Gradient	M7B	55d	N	10/28/09	3 J	0.036 J	23.2 J	5.1 J	R-CAB&TDS	9.1 J	< 0.075 U	R-CAB&TDS
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	36.7 J	< 0.046 U	< 12 U	< 6.3 U	6.77	5.6	< 2.2 U	12700
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	80.9	< 0.093 U	< 11 U	14.7 J	28.3	< 12 U	< 5.1 U	6010
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	87.8	< 0.027 U	29.8 J	< 3 U	31.9 J-CAB	< 7 U	< 1.6 U	5810 J-CAB
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	102	< 0.027 U	28.7 J	3.6 J	R-CAB&TDS	< 7 U	< 1.6 U	R-CAB&TDS
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	103	< 0.027 U	27.3 J	3.1 J	36.8 J-TDS	< 7 U	< 1.6 U	6800 J-TDS
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	90.4	< 0.027 UJ	24.6 J	< 50 U	36.8	< 7 U	< 0.15 U	6940
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	95.5	< 0.027 U	27.5 J	3 J	4.2 J+,J-TD	< 7 U	< 0.15 U	7150 J-TDS
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	2370	< 0.046 U	< 12 U	< 6.3 U	77.5	< 2.7 U	< 2.2 U	11200
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	2680	< 0.093 U	66.9 J	< 97 U	82.6	< 96 U	< 41 U	15300
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	2710	< 0.027 U	70.9 J	7.3 J	90.7	< 14 U	< 3.2 U	16000
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	2620	< 0.027 U	72.6	5.4 J	95.8	< 7 U	< 1.6 U	16800
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	2600	< 0.2 U	71.8	11.5 J	87.4	< 50 U	0.31 J	15400
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	2570	< 0.027 U	73.7 J	14.3 J	4.1 J+,J-TD	27.2 J+	< 0.3 U	8400 J-TDS
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	1320	--	< 11.2 U	18.8 J	46.5	< 12.01 U	< 5.07 U	< 3.5 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	2050	R	7 J	6.7 J	24.3 J-TDS	< 3.5 UJ	< 0.075 U	730 J,J-TDS
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	1250	< 0.027 U	35.1 J	6 J	32.1	< 7 U	< 1.6 U	4670
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	1220	< 0.027 U	32.6	3.8 J	36.6 J-TDS	< 3.5 U	< 0.8 U	4960 J-TDS
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	1200	< 0.2 U	< 50 U	9.8 J	35.5 J-TDS	< 50 UJ	< 0.15 U	4960 J-TDS
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	1290	< 0.027 U	31.5 J	12.8 J	33.4 J-TDS	< 7 U	< 0.15 U	4810 J-TDS
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	1100	< 0.027 U	23.6 J	3.3 J	28.2	< 7 U	< 1.6 U	3730
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	1180	< 0.027 U	20.4 J	3.2 J	R-CAB&TDS	< 3.5 U	< 0.8 U	R-CAB&TDS
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	1200	< 0.2 U	< 50 U	7.5 J	33.4 J-TDS	< 50 UJ	< 0.15 U	4410 J-TDS
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	1250	< 0.027 U	19.4 J	7.3 J	32 J-TDS	< 7 U	< 0.15 U	4360 J-TDS
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	8.5 J	R	6.8 J	4.2 J	9.24	< 3.5 U	< 0.075 U	201 J
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	< 0.027 U	28	16	40	< 0.7 U	< 0.18 U	1700
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	0.13	15	16	26	1.5	< 0.23 U	850
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	< 0.027 U	43	14	55	20	< 0.1 U	4200
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	< 0.027 U	5.5	0.78	10	1.4	< 0.016 U	180
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	134	R	13	2.7 J	7.59 J-CAB	1.3 J	< 0.015 U	180 J,J-CAB
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	< 0.1 U	6.6	2.4	8.7	2.6	< 0.027 U	160
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	< 0.1 U	9.3	1	6.3	< 3 U	< 0.015 U	120
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	< 0.027 U	8.7	8.5	7	2.1	< 0.015 U	150
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	< 0.1 U	180	1800	9.5	< 3.5 U	< 0.11 U	170

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-7
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	2	--	--	--	30	--	--
					BCL	21900	2	21900	146000	270	30	180	11000
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	24200	< 2.7 U	< 4.7 U	< 3.9 U	149 J+	34 J	92.3 J	410
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	24900	< 15 U	< 12 U	< 30 U	< 12 U	31.5	< 52 U	< 75 UJ
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	27800	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	26.7	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	30900	< 0.1 U	< 0.85 U	7.4 J	< 0.11 U	25.4	< 0.7 U	< 10 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	28000	< 0.02 U	< 0.17 U	6.8	< 5 U	23.4	0.28 J	< 2 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	29900	< 0.2 U	< 1.7 U	8.8 J	< 0.22 U	26.4	< 1.4 U	< 20 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	16000	< 2.7 U	< 2.4 U	< 2 U	83.9 J	62.8 J	55.2 J	111
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	16400	< 2.7 U	< 2.4 U	< 2 U	31.7 J	62.2 J	60 J	133
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	21000	< 30 U	< 23 U	< 15 U	< 24 UJ	61.4	< 105 U	236 J
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	21000	< 0.1 U	< 0.85 U	10.7	< 0.11 U	61	< 10 U	< 10 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	21400	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	61.7	< 10 U	< 10 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	23200	0.2 J	< 0.85 U	6.3 J	< 0.11 U	60.2	< 0.7 U	< 10 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	22700	< 2 U	< 0.17 U	6.1	< 5 U	53.6	< 0.14 U	< 2 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	23500	< 0.2 U	< 1.7 U	6.8 J	< 0.22 U	58.2	< 1.4 U	< 20 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	11500	< 2.7 U	< 3.8 U	< 3.1 U	62.7 J+	70 J	45.6 J	47
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	13900	< 15 U	< 12 U	< 7.5 U	< 12 U	72.8	< 52 U	< 75 U
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	13400	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	68.5	< 10 U	< 10 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	15000	0.82 J	< 0.34 U	< 6 U	< 0.044 U	66.3	1.2 J	< 4 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	14100	< 20 U	< 1.7 U	3.4	< 50 U	68.2	< 1.4 U	< 20 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	15000	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	66.7	7.4 J	< 10 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	3450	< 2.7 U	< 0.94 U	6.8 J	24.9 J+	14.7 J	263	262
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	3780	< 2.7 U	< 0.94 U	5.9 J	15 J+	16.7 J	241	157
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	5080	< 12 U	< 9.3 U	< 6 U	< 9.4 U	14.3 J	123 J	< 60 UJ
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	5600	< 12 U	< 9.3 U	< 6 U	< 9.4 U	15 J	120 J	< 60 UJ
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	6510	< 0.04 U	< 0.34 U	4.4	< 0.044 U	21.3	136	4.2 J
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	6160	0.15 J	< 0.34 U	2	< 0.044 U	19.7	120	< 4 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	6040	< 0.2 U	< 20 U	6.8	< 50 U	18.3	112	< 20 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	5820	< 0.04 U	< 0.34 U	< 3 U	< 0.044 U	17.7	119	< 4 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	14200	< 2.7 U	< 19 U	< 16 U	124 J+	55.3 J	531 J	267
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	10200	< 15 U	< 12 U	< 30 U	< 12 U	32.8	< 52 U	< 75 UJ
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	11600	0.57	< 1.7 U	3.4	6.4	25.7	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	11900	0.5	< 1.7 U	3.2	6.8	25.5	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	11000	< 0.2 U	< 1.7 U	8.6 J	< 0.22 U	25.7	12.5 J	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	11100	< 0.2 U	< 1.7 U	6.5 J	< 0.22 U	27.2	10.1 J	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	11300	< 20 U	< 20 U	3.5	< 50 U	24.5	8.7 J	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	12100	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	22.4	7.1 J	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	12500	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	21.2	6.8 J	< 20 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	7810	< 2.7 U	< 9.4 U	< 7.9 U	56.2 J+	10.6 J	328 J	65.2
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	14600	< 15 U	< 12 U	< 30 U	< 12 U	13.2 J	< 52 U	< 75 UJ
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	20100	< 0.2 U	< 1.7 U	< 6 U	< 0.22 U	17	136	< 20 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	20900	< 0.2 U	< 1.7 U	< 6 U	< 0.22 U	25.3	227	< 20 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	19400	< 20 U	< 20 U	3.9	< 50 U	26.1	178	< 20 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	18000	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	17.2	53.2 J	< 20 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	17900	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	16.2	52.5 J	< 20 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	3310	< 2.7 U	< 1.9 U	7.7 J	20.6 J+	9.7 J	183	244
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	3700	< 12 U	< 9.3 U	< 6 U	< 9.4 U	< 4.2 U	< 42 U	< 60 UJ
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	6600	< 0.04 U	< 0.34 U	4.3	6.1	1.3	< 4 U	< 4 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	5960	R	< 0.34 U	2.1	< 0.044 U	1.4 J	0.96 J	< 4 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	6300	< 0.2 U	< 1.7 U	5.9 J	< 50 U	1.3 J	< 1.4 U	< 20 UJ
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	6050	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	< 0.2 U	< 1.4 U	< 20 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	8830	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	7	< 10 U	< 10 U
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	8460	< 0.1 UJ	< 0.85 U	11.5 J	< 0.11 U	5.7	7.2 J	< 10 U
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	9510	< 2 U	< 0.17 U	2.7	< 5 U	8.2	6.9 J	< 2 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	10200	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	5.7	3.9 J	< 10 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	18900	0.31	< 0.85 U	5.6	5	74.9	19.2	< 10 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	17700	0.24 J-	< 0.85 U	4.6	< 0.11 U	74.6	18.5 J	< 10 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	19100	< 20 U	< 20 U	8.7	< 50 U	74.6	17.1 J	< 20 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	19100	< 20 U	< 1.7 U	8.5	< 50 U	72.2	15.9 J	< 20 U

TABLE 3-7
TOTAL METALS RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 8 of 8)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	2	--	--	--	30	--	--
					BCL	21900	2	21900	146000	270	30	180	11000
Shallow	Down-Gradient	H-28	55d	N	10/20/09	19500	< 0.1 U	< 0.85 U	5.4 J	< 0.11 U	72.3	20.5 J	< 10 U
Shallow	Down-Gradient	H-43	55a	N	01/27/09	5490	< 0.04 U	< 0.34 U	< 0.6 U	7.8	0.51	< 4 U	168
Shallow	Down-Gradient	H-43	55b	N	04/21/09	5560	< 0.04 U	< 0.34 U	1.9 J	< 0.044 U	0.62 J	0.32 J	23.5
Shallow	Down-Gradient	H-43	55c	N	07/30/09	5830	< 20 U	< 1.7 U	4.7 J	< 50 U	0.87 J	< 1.4 U	45.1 J-
Shallow	Down-Gradient	H-43	55d	N	10/23/09	5770	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	< 0.2 U	< 1.4 U	< 20 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	20300	< 0.1 U	< 0.85 U	3.8	0.39	48.4	18.4	< 10 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	20600	< 0.1 U	< 0.85 U	4	< 0.11 U	49.4	17.2 J	< 10 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	19900	< 20 U	< 1.7 U	4.8	< 50 U	48.7	16.3 J	< 20 UJ
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	19600	< 0.2 U	< 1.7 U	4.8	< 50 U	48.5	16.1 J	< 20 UJ
Shallow	Down-Gradient	M7B	55d	N	10/28/09	21000	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	49.4	23.8 J	< 10 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	1880	< 2.7 U	< 19 U	< 16 U	39 J	3.2 J	76.4 J	66.2
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	11700	< 15 U	< 12 U	< 30 U	< 12 U	9.9 J	< 52 U	< 75 UJ
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	13200	< 0.2 U	< 1.7 U	< 6 U	< 0.22 U	9.6 J	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	16700	< 0.2 U	< 1.7 U	< 6 U	< 0.22 U	9.4 J	6.2 J	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	16300	< 0.2 U	< 1.7 U	< 6 U	< 0.22 U	9.3 J	6.4 J	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	16500	< 20 U	< 1.7 U	< 10 U	< 50 U	8.7 J	4.3 J	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	16100	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	< 0.2 U	31.8 J	< 20 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	46600	< 2.7 U	< 19 U	< 16 U	158 J+	191 J	546 J	156
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	53500	< 120 U	< 93 U	< 60 U	< 94 U	265	< 418 U	978 J
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	50500	< 0.4 U	< 3.4 U	< 6 U	< 0.44 U	350	< 40 U	< 40 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	48900	1.9 J	< 1.7 U	15.5 J	< 0.11 U	346	3.1 J	< 20 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	48700	< 20 U	3.4 J	11.5	< 50 U	317	2.1 J	< 20 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	49700	< 0.4 U	< 3.4 U	< 3 U	< 0.44 U	343	60 J	< 40 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	7380	< 15 U	< 11.6 U	334	125 U	< 5.24 U	< 52.275 U	250 UJ
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	6940	0.12 J	< 0.85 U	43.9	< 0.11 U	0.92 J	14.2 J	< 10 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	25200	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	14.2	< 20 U	< 20 U
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	27200	< 0.1 U	< 0.85 U	4.6	< 0.11 U	13.6	< 0.7 U	< 10 U
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	27400	< 0.2 U	< 1.7 U	7.9	< 50 U	12.9	< 1.4 U	< 20 UJ
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	26500	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	13.7	< 1.4 U	< 20 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	14100	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	3.2 J	< 20 U	< 20 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	15300	< 0.1 U	< 0.85 U	2.7	< 0.11 U	3 J	< 0.7 U	< 10 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	17000	< 20 U	< 20 U	3.3	< 50 U	< 10 U	< 1.4 U	< 20 UJ
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	17500	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	< 0.2 U	< 1.4 U	< 20 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	1360	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	2.9 J	26.7 J	< 10 U
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	< 0.19 U	--	--	--	8.7	26	28
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	< 0.18 U	--	--	--	7.6	30 J	37
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	0.13	--	--	--	43	26	< 10 U
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	< 0.066 U	--	--	--	2.6	25	2.7
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	990	< 0.02 U	2.4 J	3.2	< 0.022 U	0.037 J	1 J	2.9 J
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	< 0.027 U	--	--	--	2.9	28	7.3
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	< 0.025 U	--	--	--	2.2	17	4.7
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	< 0.05 U	--	--	--	2.3	21	< 2 U
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	< 0.21 U	--	--	--	5.2	250	< 10 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-8
DIOXINS/FURANS RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 4)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	1,2,3,4,6,7,8-HpCDF	1,2,3,4,6,7,8-HpCDD	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDF	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDF	1,2,3,7,8,9-HxCDD
					Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
					MCL	--	--	--	--	--	--	--	--	--
					BCL	--	--	--	--	--	--	--	--	11
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 6.2 U	< 7.4 U	< 7.9 U	< 6.2 U	< 8.5 U	< 5.1 U	< 6.5 U	< 6.8 U	< 7 U
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 3.7 U	< 5.7 U	< 4.3 U	< 3.2 U	< 4.7 U	< 3.2 U	< 5.1 U	< 3.3 U	< 3.9 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 48 U	< 48 U	< 48 UJ	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 19 U	< 4.5 U	< 7.2 U	< 9.2 U	< 4.9 U	< 4.3 U	< 3.7 U	< 3.2 U	< 4 U
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	33	< 9.2 U	< 12 U	< 12 U	< 9.9 U	< 7.2 U	< 7.6 U	< 7.3 U	< 8.2 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1.8 U	< 3 U	< 2.1 U	< 2 U	< 2.6 U	< 2 U	< 2.8 U	< 2.1 U	< 2.2 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 48 U	< 48 U	< 48 UJ	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	50	< 7.4 U	< 17 U	< 18 U	< 5.4 U	< 13 U	< 4.2 U	< 5.4 U	< 4.5 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 6.5 U	< 7.7 U	< 4.7 U	< 4.4 U	< 6.2 U	< 4.1 U	< 6.6 U	< 4.8 U	< 5.3 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 49 U	< 49 U	< 49 UJ	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 4.3 U	< 9 U	< 5.4 U	< 4.2 U	< 5.8 U	< 3.5 U	< 4.4 U	< 4.6 U	< 4.8 U
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 5.1 U	< 6.6 U	< 6.5 U	< 5.4 U	< 7.1 U	< 4.4 U	< 5.5 U	< 5.9 U	< 5.9 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1.4 U	< 2.6 U	< 1.7 U	< 2.4 U	< 2.7 U	< 2.3 U	< 2.9 U	< 2.5 U	< 2.2 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 2.1 U	< 2.5 U	< 1.3 U	< 1.9 U	< 2.4 U	< 1.9 U	< 2.6 U	< 2 U	< 2 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 19 U	< 9 U	< 6 U	< 8.4 U	< 7.1 U	< 4.2 U	< 5.5 U	< 5.2 U	< 5.9 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1.3 U	< 3.2 U	< 1.6 U	< 2.5 U	< 2.9 U	< 2.4 U	< 3.1 U	< 2.6 U	< 2.4 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 4.6 U	< 4.8 U	< 2.9 U	< 2 U	< 3 U	< 1.8 U	< 2.4 U	< 2.1 U	< 2.5 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 2.1 U	< 3.8 U	< 2.5 U	< 2.6 U	< 3 U	< 2.4 U	< 2.4 U	< 2.7 U	< 2.5 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 2.3 U	< 2.1 U	< 2.1 U	< 3.9 U	< 3 U	< 2.1 U	< 2.5 U	< 3.2 U	< 2.5 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 1.1 U	< 2.2 U	< 1.4 U	< 2.2 U	< 2.9 U	< 1.9 U	< 2.4 U	< 2.3 U	< 2.4 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 22 U	< 11 U	< 9.3 U	< 11 U	< 6.1 U	< 6.6 U	< 4.7 U	< 4.8 U	< 5.1 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1.6 U	< 2.7 U	< 1.8 U	< 2.2 U	< 2.9 U	< 2.2 U	< 3.1 U	< 2.3 U	< 2.4 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	< 3.8 U	< 2.3 U	< 2.8 U	< 3.9 U	< 2.5 U	< 3.1 U	< 2.9 U	< 3.3 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.1 U	< 0.99 U	< 1.4 U	< 3 U	< 1.2 U	< 1.2 U	< 0.92 U	< 0.55 U	< 0.93 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 5.6 U	< 5.2 U	< 4.7 U	< 3.8 U	< 5.7 U	< 3.1 U	< 4.4 U	< 4.1 U	< 4.8 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1.6 U	< 2.8 U	< 1.8 U	< 2.4 U	< 3.2 U	< 2.3 U	< 3.4 U	< 2.5 U	< 2.6 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 4.2 U	< 6.2 U	< 4.8 U	< 4.2 U	< 6.1 U	< 3.8 U	< 4.9 U	< 4.3 U	< 5.2 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.45 U	< 1.1 U	< 0.66 U	< 2.1 U	< 0.75 U	< 0.52 U	< 0.59 U	< 2.2 U	< 0.59 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 49 U	< 49 U	< 49 UJ	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	3	< 3.4 U	0.66	1.6	< 4.1 U	< 2.4 U	< 3.3 U	< 2.7 U	< 3.4 U
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	< 1.4 U	< 1.8 U	< 2.5 U	< 4.2 U	< 3.4 U	< 3.5 U	< 2.8 U	< 2.2 U	< 2.8 U
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 240 U	< 240 U	< 240 U	< 240 U	< 240 U	< 240 U	< 240 U	< 240 U	< 240 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 4.3 U	< 3.9 U	< 2.5 U	< 2.5 U	< 3.4 U	< 2.3 U	< 2.7 U	< 2.6 U	< 2.8 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 3.9 U	< 1.1 U	< 1.7 U	< 4.4 U	< 0.62 U	< 1.8 U	< 0.49 U	< 2.5 U	< 0.49 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U	< 48 U
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 2.5 U	< 3.9 U	< 2.8 U	< 2.7 U	< 3.7 U	< 2.4 U	< 3 U	< 2.7 U	< 3.1 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 3 U	< 2.1 U	< 2.1 U	< 5.3 U	< 2.3 U	< 3.4 U	< 2.9 U	< 6.2 U	< 3.1 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 49 U	< 49 U	< 49 UJ	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U	< 49 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 2 U	< 3.2 U	< 1.8 U	< 2.4 U	< 2.9 U	< 2.1 U	< 2.3 U	< 2.4 U	< 2.4 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.4 U	< 1.4 U	< 0.65 U	< 2.6 U	< 0.58 U	< 0.27 U	< 0.46 U	< 2.4 U	< 0.46 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U

TABLE 3-8
DIOXINS/FURANS RESULTS
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CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	1,2,3,4,6,7,8-HpCDF	1,2,3,4,6,7,8-HpCDD	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDF	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDF	1,2,3,7,8,9-HxCDD
					Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
					MCL	--	--	--	--	--	--	--	--	--
					BCL	--	--	--	--	--	--	--	--	11
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 53 U	< 53 U	< 53 U	< 53 U	< 53 U	< 53 U	< 53 U	< 53 U	< 53 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 6.9 U	< 7.5 U	< 3.3 U	< 7.9 U	< 8 U	< 2.6 U	< 6.2 U	< 3.4 U	< 6.7 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 3.1 U	< 6.7 U	< 3.6 U	< 4.1 U	< 12 U	< 3.9 U	< 12 U	< 4.5 U	< 10 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 1.5 U	< 2 U	< 1.1 U	< 3.4 U	< 11 U	< 0.74 U	< 9 U	< 4 U	< 9.4 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 4.3 UJ	< 6.3 UJ	< 1 UJ	< 2 UJ	< 5.6 UJ	< 1.6 UJ	< 5 UJ	< 1.3 UJ	< 4.9 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.63 U	< 0.57 U	< 1.3 U	< 1.7 U	< 3.3 U	< 0.45 U	< 2.6 U	< 1 U	< 2.6 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 230 U	< 230 U	< 230 U	< 230 U	< 230 U	< 230 U	< 230 U	< 230 U	< 230 U
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 3.7 U	< 4.4 U	< 4.7 U	< 3.9 U	< 5.2 U	< 3.2 U	< 4 U	< 4.2 U	< 4.4 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 2 U	< 3.5 U	< 2.4 U	< 1.9 U	< 3.6 U	< 1.8 U	< 3.9 U	< 2 U	< 3 U
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 2 U	< 1.2 U	< 1.5 U	< 4.7 U	< 1.2 U	< 1.8 U	< 0.92 U	< 0.59 U	< 0.97 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1 U	< 1.9 U	< 1.3 U	< 3.1 U	< 0.42 U	< 1 U	< 0.49 U	< 4.4 U	< 0.43 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 46 U	< 46 U	< 46 U	< 46 U	< 46 U	< 46 U	< 46 U	< 46 U	< 46 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 29 U	< 65 U	< 34 U	< 20 U	< 33 U	< 19 U	< 35 U	< 21 U	< 27 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 1.8 U	< 3.6 U	< 2.1 U	< 2.6 U	< 3.9 U	< 2.3 U	< 3.1 U	< 2.6 U	< 3.3 U
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.9 U	< 1.5 U	< 0.55 U	< 3.2 U	< 0.82 U	< 0.32 U	< 0.65 U	< 0.41 U	< 0.65 U
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 46 U	< 46 U	< 46 U	< 46 U	< 46 U	< 46 U	< 46 U	< 46 U	< 46 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U	< 47 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 11 U	< 18 U	< 13 U	< 7.1 U	< 12 U	< 6.4 U	< 9.6 U	< 7.3 U	< 10 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 25 U	< 56 U	< 7.1 U	< 6.9 U	< 7.9 U	< 6 U	< 7 U	< 8 U	< 6.9 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 240 U	26 J	< 240 U	< 240 U	< 240 U	< 240 U	< 240 U	< 240 U	< 240 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 230 U	< 230 U	< 230 U	< 230 U	< 230 U	< 230 U	< 230 U	< 230 U	< 230 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-8
DIOXINS/FURANS RESULTS
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CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	1,2,3,7,8-PeCDF	1,2,3,7,8-PeCDD	2,3,4,6,7,8-HxCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDF	2,3,7,8-TCDD	OCDD	OCDF	TCDD TEQ
					Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
					MCL	--	--	--	--	--	30	--	--	--
					BCL	--	--	--	--	--	0.45	--	--	--
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 4.7 U	< 6.7 U	< 6 U	< 4.8 U	< 2.5 U	< 3.2 U	< 11 U	< 10 U	8.8
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 2.3 U	< 5.2 U	< 3.3 U	< 2.4 U	< 2.2 U	< 3.4 U	< 4.8 U	< 4.3 U	7.6
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.4 U	< 9.4 U	< 94 U	< 94 U	59.8 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 48 U	< 48 U	< 48 U	< 48 U	< 9.5 U	< 9.5 U	< 95 U	< 95 U	61.1 U
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 4.8 U	< 5.4 U	< 2.8 U	< 4.8 U	< 1.4 U	< 2.9 U	< 5.1 U	< 52 U	7.3
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 11 U	< 15 U	< 6.6 U	< 11 U	< 3 U	< 7.3 U	< 12 U	81	17.7
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 3.2 U	< 5.2 U	< 2.1 U	< 3.3 U	< 2.2 U	< 3.5 U	< 4.7 U	< 4.1 U	7.3
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.4 U	< 9.4 U	< 94 U	< 94 U	59.8 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 48 U	< 48 U	< 48 U	< 48 U	< 9.6 U	< 9.6 U	< 96 U	< 96 U	61.1 U
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 5 U	< 6.4 U	< 4.8 U	< 4.3 U	9	< 2.2 U	< 10 U	96	9.8
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 6 U	< 9.5 U	< 4.6 U	< 5.9 U	< 3.7 U	< 6.2 U	< 9.1 U	< 11 U	12.7
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 49 U	< 49 U	< 49 U	< 49 U	< 9.7 U	< 9.7 U	< 97 U	< 97 U	62.3 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 49 U	< 49 U	< 49 U	< 49 U	< 9.7 U	< 9.7 U	< 97 U	< 97 U	62.3 U
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 3.9 U	< 6.4 U	< 4.1 U	< 4 U	< 1.9 U	< 2.6 U	< 28 U	< 7.6 U	7.4
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 4.6 U	< 7.8 U	< 5.2 U	< 4.7 U	< 1.9 U	< 3 U	< 13 U	< 10 U	8.8
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 2.3 U	< 4.1 U	< 2.5 U	< 2.4 U	< 1.8 U	< 2.6 U	< 3.7 U	< 4.2 U	6.1
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 2.2 U	< 3.4 U	< 2 U	< 2.2 U	< 1.7 U	< 3 U	< 3.9 U	< 4.1 U	5.8
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.4 U	< 9.4 U	< 94 U	< 94 U	59.8 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 48 U	< 48 U	< 48 U	< 48 U	< 9.5 U	< 9.5 U	< 95 U	< 95 U	61.1 U
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	< 5.5 U	< 8.2 U	< 4.7 U	< 5.6 U	< 4.8 U	< 3.2 U	< 18 U	50	9.7
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 2.7 U	< 4.4 U	< 2.6 U	< 2.8 U	< 2.2 U	< 3.2 U	< 14 U	< 5.3 U	6.8
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.8 U	< 3.8 U	< 2 U	< 1.9 U	< 2.1 U	< 2.5 U	< 31 U	< 7 U	5.7
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 2.7 U	< 3.3 U	< 2.5 U	< 2.8 U	< 2.4 U	< 3.8 U	< 10 U	< 3.7 U	6.5
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 5.2 U	< 4 U	< 2.8 U	< 5.5 U	< 3 U	< 3.4 U	< 1.8 U	< 3.6 U	9.2
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 3.1 U	< 4.2 U	< 2.1 U	< 2.4 U	< 3.6 U	< 3.2 U	< 2.1 U	< 2.6 U	6.5
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.4 U	7.7 J	< 94 U	< 94 U	62.8
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 49 U	< 49 U	< 49 U	< 49 U	< 9.7 U	< 9.7 U	< 97 U	< 97 U	62.3 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.3 U	< 9.3 U	< 93 U	< 93 U	59.8 U
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	< 4.9 U	< 7.6 U	< 4.3 U	< 5 U	< 6.3 U	< 44 U	75	66	29.8
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 2.4 U	< 41 U	< 2.3 U	< 2.5 U	< 3.6 U	< 88 U	< 11 U	< 4.1 U	67.4
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 3.5 U	< 6.2 U	< 2.7 U	< 3.7 U	< 2.2 U	< 8.1 U	< 3.7 U	< 4.2 U	10.5
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 3.2 U	< 16 U	< 0.91 U	< 1.1 U	< 6.5 U	110	< 1.9 U	< 3.3 U	120
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.3 U	59	< 93 U	< 93 U	114
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.3 U	< 100 U	< 93 U	< 93 U	105 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.3 U	< 210 U	< 93 U	< 93 U	160 U
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	< 3.8 U	< 6.2 U	< 3.7 U	< 3.8 U	< 3.2 U	< 15 U	< 8.4 U	< 23 U	13.4
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 2.3 U	< 5.9 U	< 2.5 U	< 2.3 U	< 2.3 U	< 6.6 U	< 8.1 U	< 5.1 U	9.1
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 3.9 U	< 5.2 U	< 4 U	< 4.1 U	< 2.3 U	< 6 U	< 11 U	< 9.4 U	9.7
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.7 U	< 4.1 U	< 0.64 U	< 0.53 U	< 5.2 U	< 34 U	< 1.6 U	< 1.6 U	21
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 48 U	< 48 U	< 48 U	< 48 U	< 9.6 U	< 9.6 U	< 96 U	< 96 U	61.1 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 49 U	< 49 U	< 49 U	< 49 U	< 9.7 U	< 14 U	< 97 U	< 97 U	64.5
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 3.2 U	< 15 UJ	< 2.5 U	< 3.4 U	3.5	< 78 U	1.3	2.8	50
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	< 3.7 U	< 55 U	< 2.1 U	< 2.5 U	< 3.6 U	< 240 U	< 2.2 U	< 4.7 U	151
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.4 U	< 150 U	< 94 U	< 94 U	135 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 240 U	< 240 U	< 240 U	< 240 U	< 47 U	< 160 U	< 470 U	< 470 U	358
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 3.2 U	< 4 U	< 2.4 U	< 3.4 U	< 1.8 U	< 2.6 U	< 5.3 U	< 4.7 U	6.4
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 2.2 U	< 1.6 U	< 0.71 U	< 1 U	< 2 U	< 0.95 U	< 8.5 U	< 1.2 U	3.4
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.4 U	< 9.4 U	< 94 U	< 94 U	59.8 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.4 U	< 9.4 U	< 94 U	< 94 U	59.8 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 48 U	< 48 U	< 48 U	< 48 U	< 9.5 U	< 9.5 U	< 95 U	< 95 U	61.1 U
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 2.5 U	< 4.5 U	< 2.5 U	< 2.6 U	< 1.4 U	< 7 U	< 7.8 U	< 5.8 U	8.7
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 4.2 U	< 9.7 U	< 3.3 U	< 3.2 U	< 7 U	41	< 5.4 U	< 8.1 U	49.6
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 49 U	< 49 U	< 49 U	< 49 U	< 9.8 U	< 17 U	< 98 U	< 98 U	65.9 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 49 U	< 49 U	< 49 U	< 49 U	< 9.7 U	< 25 U	< 97 U	< 97 U	70
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 2.1 U	< 2.8 U	< 2.2 U	< 2.2 U	< 1 U	< 1.5 U	< 26 U	< 4 U	4.8
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.85 U	< 1.4 U	< 0.47 U	< 0.91 U	< 1.9 U	< 1 U	< 2.1 U	< 2 U	3
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.4 U	< 9.4 U	< 94 U	< 94 U	59.8 U

TABLE 3-8
DIOXINS/FURANS RESULTS
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	1,2,3,7,8-PeCDF	1,2,3,7,8-PeCDD	2,3,4,6,7,8-HxCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDF	2,3,7,8-TCDD	OCDD	OCDF	TCDD TEQ
					Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
					MCL	--	--	--	--	--	30	--	--	--
					BCL	--	--	--	--	--	0.45	--	--	--
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.4 U	< 9.4 U	< 94 U	< 94 U	59.8 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 53 U	< 53 U	< 53 U	< 53 U	< 11 U	< 11 U	< 110 U	< 110 U	67.6 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 3.9 U	< 24 U	< 3.1 U	< 4 U	7.8	410	< 6.2 U	< 14 U	426
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 5.6 U	< 130 U	< 4.4 U	< 5.5 U	< 5.5 U	< 580 U	< 12 U	< 6.8 U	361
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 3.4 U	< 49 U	< 0.78 U	< 1.9 U	< 2.5 U	< 430 U	< 2.1 U	< 1.5 U	243
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 1.8 UJ	< 160 UJ	< 1 UJ	< 1.5 UJ	< 3.8 UJ	< 1400 UJ	< 7.2 UJ	< 34 UJ	783
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 1.1 U	< 110 U	< 0.48 U	< 0.33 U	< 0.64 U	6200 J	< 0.97 U	< 2.5 U	6257
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.3 U	< 120 U	< 93 U	< 93 U	119 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	< 230 U	< 230 U	< 230 U	< 230 U	< 46 U	7300	< 460 U	< 460 U	7567
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 3.8 U	< 6.2 U	< 3.8 U	< 3.9 U	< 2.1 U	< 2.8 U	< 11 U	< 7.2 U	7.2
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 3.3 U	< 4.9 U	< 2 U	< 3.4 U	< 2.1 U	< 2.6 U	< 4.4 U	< 4.5 U	6.9
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 4 U	< 1.3 U	< 1 U	< 2.2 U	< 1.8 U	< 1.9 U	< 8.3 U	< 1.5 U	4
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 2.6 U	< 1.1 U	< 1.3 U	< 1 U	< 1.6 U	< 0.36 U	< 1.6 U	< 10 U	2.8
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.3 U	< 9.3 U	< 93 U	< 93 U	59.8 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 46 U	< 46 U	< 46 U	< 46 U	< 9.1 U	< 9.1 U	< 91 U	< 91 U	58.6 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 22 UJ	< 71 UJ	< 21 U	< 23 UJ	< 39 U	< 430 U	< 460 U	< 49 U	269
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 3.3 U	< 5.2 U	< 2.4 U	< 3.5 U	< 1.9 U	< 3.6 U	< 4.2 U	< 6.1 U	7.6
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 2.2 U	< 2.2 U	< 0.35 U	< 0.76 U	< 1 U	20	< 3.3 U	< 3 U	22.9
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 46 U	< 46 U	< 46 U	< 46 U	< 9.3 U	11	< 93 U	< 93 U	65
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 47 U	< 47 U	< 47 U	< 47 U	< 9.3 U	< 9.3 U	< 93 U	< 93 U	59.8 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 10 UJ	< 26 UJ	< 6.8 U	< 11 UJ	< 12 U	< 960 U	< 47 U	< 34 U	500
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 6 U	< 79 U	< 5.4 U	< 6.2 U	< 52 U	< 2400 U	< 46 U	< 280 U	1248
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 240 U	< 240 U	< 240 U	< 240 U	< 48 U	1500	94 J	< 480 U	1795
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 230 U	< 230 U	< 230 U	< 230 U	< 47 U	< 1500 U	< 470 U	< 470 U	1016 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-9
POLYCHLORINATED BIPHENYL (PCB) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 4)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	PCB 105	PCB 114	PCB 118	PCB 123	PCB 126	PCB 156	PCB 157
					Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
					MCL	--	--	--	--	--	--	--
					BCL	--	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	26	< 20 U	50	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 20 U	< 20 U	21	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 20 U	< 20 U	22	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 20 U	< 20 U	25	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	1700	< 20 U	3000	< 20 U	< 20 U	690	< 20 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 20 U	< 20 U	21	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 20 U	< 20 U	26	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U	< 20 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	32	< 20 U	86	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 20 U	< 20 U	51	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 20 U	30	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 93 U	< 93 U	< 93 U	< 93 U	< 93 U	< 19 U	< 19 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	1600	< 20 U	4900	< 20 U	< 20 U	660	< 20 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U

TABLE 3-9
POLYCHLORINATED BIPHENYL (PCB) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 4)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	PCB 105	PCB 114	PCB 118	PCB 123	PCB 126	PCB 156	PCB 157
					Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
					MCL	--	--	--	--	--	--	--
					BCL	--	--	--	--	--	--	--
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	--	--	--	--	--	< 20 U	< 20 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-9
POLYCHLORINATED BIPHENYL (PCB) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 3 of 4)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	PCB 167	PCB 169	PCB 189	PCB 209	PCB 77	PCB 81
					Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
					MCL	--	--	--	--	--	--
					BCL	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 19 U	< 19 U	< 19 U	< 190 U	< 19 U	< 19 U
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 19 U	< 19 U	< 19 U	< 190 U	< 19 U	< 19 U
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 19 U	< 19 U	< 19 U	< 190 U	< 19 U	< 19 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 20 U	< 20 UJ	< 20 U	--	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	< 19 U	< 19 U	< 19 U	< 190 U	< 19 U	< 19 U
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	< 19 U	< 19 U	< 19 U	< 190 U	< 94 U	< 19 U
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 20 U	< 20 UJ	< 20 U	--	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	< 19 U	< 19 U	< 19 U	< 190 U	< 33 U	< 19 U
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	< 19 U	< 19 U	< 19 U	< 190 U	< 19 U	< 19 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	< 100 U	< 100 U	< 100 U	< 1000 U	< 400 U	< 400 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	240	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 19 U	< 19 U	< 19 U	< 190 U	< 19 U	< 19 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 19 U	< 19 U	< 19 U	< 190 U	< 19 U	< 19 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 20 U	< 20 UJ	< 20 UJ	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 19 U	< 19 U	< 19 U	< 190 U	< 19 U	< 19 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 19 U	< 19 U	< 19 U	< 190 U	< 19 U	< 19 U
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 19 U	< 19 U	< 19 U	< 190 U	< 19 U	< 19 U
Shallow	Down-Gradient	M7B	55d	N	10/28/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	< 19 U	< 19 U	< 19 U	< 190 U	< 470 U	< 470 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	430	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U

TABLE 3-9
POLYCHLORINATED BIPHENYL (PCB) RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 4)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	PCB 167	PCB 169	PCB 189	PCB 209	PCB 77	PCB 81
					Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
					MCL	--	--	--	--	--	--
					BCL	--	--	--	--	--	--
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 19 U	< 19 U	< 19 U	< 190 U	< 19 U	< 19 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	< 20	< 20 U	< 1000 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	< 19 U	< 19 U	< 19 U	< 190 U	< 19 U	< 19 U
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 20 U	< 20 U	< 20 U	< 20 U	--	--
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	< 350 U	< 350 U	< 350 U	< 3500 U	< 1800 U	< 860 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-10
GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 4)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Fluoride
					Units	ug/L	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L
					MCL	--	--	--	--	4	1000	4000
					BCL	--	--	--	--	4	--	4000
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	130 J	--	< 100 U	7270	--	--	410
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 620 U	< 5000 U	< 1000 U	7180	14400	< 1000 U	1900
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	960 J	1900 J	< 47 U	7440	14900	--	1600
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	790 J	1600 J	< 470 U	7340 J-TDS	14700	< 800 U	2000 J-TDS
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	< 260 U	< 5000 U	< 470 U	7600	15200	< 400 U	1800
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	< 260 U	< 5000 U	< 470 U	7800 J-TDS	15600 J-TDS	< 80 U	1700 J-TDS
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	140 J	--	< 100 U	299	--	--	180
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	130 J	--	< 100 U	289	--	--	200
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 620 U	< 5000 U	< 1000 U	5090	10200	< 1000 U	1100
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	930 J	1900 J	< 47 U	4860	9720	--	1000
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	1100 J	2200 J	< 47 U	4930	9870	--	1000
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	780 J	1600 J	< 47 U	5350 J-TDS	10700	< 800 U	1100 J-TDS
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 520 U	< 10000 U	< 47 U	5030	10100	530	990 J
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	650 J	1300 J	< 240 U	5300 J-TDS	10600 J-TDS	140 J	980 J-TDS
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	130 J	--	< 100 U	292 J+	--	--	190
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 620 U	< 5000 U	< 1000 U	3190	6380	< 400 U	500 J
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	770 J	1500 J	< 47 U	2960	5930	--	570 J
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	640	1300	< 47 U	3000 J-TDS	5990	< 400 U	720 J-TDS
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	< 520 U	< 10000 U	< 47 U	R-CAB&TDS	R-CAB&TDS	< 200 U	R-CAB&TDS
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 520 U	< 10000 U	< 47 U	3590 J-TDS	7170 J-TDS	< 80 U	270 J-,J-TDS
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	1200	--	430	1020	--	--	2100
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	860	--	150 J	1810	--	--	2400
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	3300 J+	6500 J+	< 1000 U	1130	2250	< 100 U	2700
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	2200 J+	4400 J+	< 1000 U	1410	2820	< 200 U	2000
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	1500	3000	68 J	1610	3230	--	1900
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	890 J	1800 J	< 47 U	1450 J-TDS	2900	< 40 U	1900 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	1200	2500	80 J	1310 J-TDS	2620 J-TDS	< 80 U	2100 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	1200	2300	< 47 U	1320 J-TDS	2640 J-TDS	< 40 U	1800 J-TDS
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	270	--	< 100 U	1380	--	--	640 J-
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	19400 J+	38900 J+	< 1000 U	10100	20200	< 1000 U	< 250 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 2600 U	< 50000 U	< 470 U	9010	18000	< 400 U	1100
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 2600 U	< 50000 U	< 470 U	9440	18900	< 400 U	1100
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 2600 U	< 50000 U	< 470 U	9710 J-TDS	19400	< 400 U	580 J-TDS
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 2600 U	< 50000 U	< 470 U	9510 J-TDS	19000	< 400 U	930 J-TDS
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	800 J	1600 J	< 470 UJ	9000	1800 J	< 2000 U	690 J
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 1300 U	1800 J	< 94 U	R-CAB&TDS	R-CAB&TDS	< 400 U	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 1300 U	1500 J	< 94 U	R-CAB&TDS	R-CAB&TDS	< 400 U	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	150 J	--	240	727	--	--	160
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	< 6200 U	< 50000 U	< 1000 U	9110	18200	< 1000 U	750 J
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 260 U	< 5000 U	< 470 U	12100	24300	--	1100
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 5200 U	< 100000 U	< 470 U	11000 J-TDS	22000	< 400 U	780 J-TDS
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	1800 J	3500 J	< 470 UJ	10900	21800	< 2000 U	780 J
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	1100 J	2200 J	< 940 U	R-CAB&TDS	R-CAB&TDS	< 400 U	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	1100 J	2200 J	< 940 U	R-CAB&TDS	R-CAB&TDS	< 400 U	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	61 J	--	< 100 U	204	--	--	250
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	< 620 U	< 5000 U	< 1000 U	1460	2930	< 400 U	2800
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	1400	2900	< 47 U	2580	5160	< 80 U	2500
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 260 U	< 5000 U	< 47 U	2160 J-TDS	4310	< 400 U	2500 J-TDS
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	1200	2300	< 47 U	2080	4160	< 400 U	2600
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	930	1900	< 47 U	R-CAB&TDS	R-CAB&TDS	< 40 U	R-CAB&TDS
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	< 260 U	< 5000 U	92 J	6220	12400	--	< 100 U
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	< 5200 U	< 100000 U	< 47 U	5940 J-TDS	11900	2100	< 100 U
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	< 520 U	< 10000 U	< 47 U	5320	10600	< 200 U	1300 J
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	380 J	760 J	160 J	R-CAB&TDS	R-CAB&TDS	< 400 U	R-CAB&TDS
Shallow	Down-Gradient	H-28	55a	N	01/26/09	660	1300	< 47 U	3910	7810	< 200 U	1000
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 260 U	< 5000 U	< 47 U	4460 J-CAB	8920	< 400 U	920 J-CAB
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 520 U	< 10000 U	< 47 U	3920 J-TDS	7850 J-TDS	< 200 U	1200 J-TDS
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 520 U	< 10000 U	< 47 U	3930 J-TDS	7850 J-TDS	< 200 U	1100 J-TDS

TABLE 3-10
GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 4)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Fluoride
					Units	ug/L	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L
					MCL	--	--	--	--	4	1000	4000
					BCL	--	--	--	--	4	--	4000
Shallow	Down-Gradient	H-28	55d	N	10/20/09	620 J	1200 J	< 240 U	3900 J-TDS	7800 J-TDS	< 80 U	800 J-TDS
Shallow	Down-Gradient	H-43	55a	N	01/27/09	700	1400	< 47 U	1850	3710	< 80 U	2000
Shallow	Down-Gradient	H-43	55b	N	04/21/09	560	1100	< 47 U	1720 J-TDS	3430	< 400 U	1900 J-TDS
Shallow	Down-Gradient	H-43	55c	N	07/30/09	680	1400	< 47 U	1740 J-TDS	3480 J-TDS	< 80 U	2100 J-TDS
Shallow	Down-Gradient	H-43	55d	N	10/23/09	610	1200	< 47 U	1940 J-TDS	3870 J-TDS	< 40 U	1700 J-TDS
Shallow	Down-Gradient	M7B	55a	N	02/03/09	1200	2500	11400	3760	7530	< 80 U	520
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 5200 U	< 100000 U	12400	4060 J-TDS	8120	< 80 U	510 J-TDS
Shallow	Down-Gradient	M7B	55c	N	07/28/09	1200 J	2300 J	10500	3640 J-TDS	7290 J-TDS	< 200 U	560 J-TDS
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	1100 J	2300 J	10800	3570 J-TDS	7140 J-TDS	< 1000 U	440 J-TDS
Shallow	Down-Gradient	M7B	55d	N	10/28/09	1300 J	2600 J	11000	R-CAB&TDS	R-CAB&TDS	< 200 U	< 10 U
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 2000 U	--	71900	8240	--	--	< 1000 U
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 6200 U	< 50000 U	< 1000 U	9200	18400	< 1000 U	< 250 U
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 260 U	< 5000 U	< 470 U	10700 J-CAB	21400	--	410 J
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	720 J	1400 J	< 470 U	R-CAB&TDS	18700	--	R-CAB&TDS
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 260 U	< 5000 U	< 470 U	9650 J-TDS	19300	< 2000 U	1000 J-TDS
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	390 J	780 J	< 470 U	9960	19900	< 400 U	350 J
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	490 J	990 J	< 470 U	10600 J-TDS	21100 J-TDS	< 400 U	560 J,J-TDS
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 20 U	--	< 100 U	1130 J	--	--	1300
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 6200 U	< 50000 U	< 1000 U	31100	62300	< 4000 U	7000
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 2600 U	< 50000 U	< 470 U	30900	61700	--	< 100 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	1100 J	2100 J	< 470 U	30700	61500	< 2000 U	< 100 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	< 2600 U	< 50000 U	< 4700 U	28700	57400	< 400 U	1500 J
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 2600 U	< 50000 U	< 4700 U	30800 J-TDS	61700 J-TDS	< 800 U	1300 J,J-TDS
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	< 6200 U	< 50000 U	--	7470	14900	< 4000 U	< 250 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	1300	2500	2900	2620 J-TDS	5240 J-TDS	< 400 U	< 10 U
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 260 U	< 5000 U	< 47 U	9790	19600	--	1500
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 2600 U	< 50000 U	< 470 U	9000 J-TDS	18000	R	1500 J-TDS
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	650 J	1300 J	< 470 U	9580 J-TDS	19200 J-TDS	< 80 U	1500 J-TDS
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 1300 U	< 25000 U	< 94 U	10100 J-TDS	20100 J-TDS	< 400 U	< 20 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	1100 J	2200 J	< 47 U	6380	12800	--	1400
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 2600 U	< 50000 U	< 470 U	R-CAB&TDS	11000	< 80 UJ	R-CAB&TDS
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	690 J	1400 J	< 470 U	6910 J-TDS	13800 J-TDS	270	1500 J-TDS
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 1300 U	< 25000 U	< 94 U	7840 J-TDS	15700 J-TDS	< 80 U	< 20 U
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	260	520	< 47 U	225	451	< 20 U	720
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	--	--	3900	--	--	3200 J
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	--	--	1900	--	--	9000 J
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	--	--	6500	--	--	3800 J
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	--	--	250	--	--	880
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	190 J	390 J	< 47 U	155 J-CAB	311 J-CAB	< 8 U	520 J-CAB
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	--	--	160	--	--	860
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	--	--	73	--	--	850
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	--	--	190	--	--	700
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	--	--	180	--	--	850

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-10
GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
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Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Iodide	Ion Balance Difference	Nitrate	Nitrite	Orthophosphate	Perchlorate	Sulfate
					Units	ug/L	percent	ug/L	ug/L	ug/L	ug/L	mg/L
					MCL	--	--	10000	1000	--	--	--
					BCL	--	--	10000	1000	--	18	--
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	650	--	< 10 U	< 6.1 U	320 J	7850	201 J+
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 3000 U	2.4	< 86 U	< 500 U	< 1600 U	< 34 UJ	1990
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 3000 U	1	< 50 U	< 300 U	< 500 U	< 500 U	1900
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 3000 U	3.2	140 J-TDS	< 300 UJ	< 500 UJ	52.4 J-TDS	1860 J-TDS
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	--	0.78	< 50 U	< 600 U	< 500 U	< 50 U	1890
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	--	1.3	< 50 U	< 600 U	< 500 U	< 50 U	1950 J-TDS
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	610 J-	--	< 4 U	< 4 U	< 50 U	7620	101
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	610 J-	--	< 4 U	< 4 U	190 J	7470	101000
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 3000 UJ	4.3	< 86 U	R	157000 J	< 68 UJ	1370
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 3000 U	1	< 5 U	< 300 U	< 500 U	< 200 U	1260
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 3000 U	1.9	< 5 U	< 300 U	< 500 U	< 200 U	1270
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 300 U	2.2	< 5 UJ	< 600 UJ	< 500 UJ	< 10 U	1310 J-TDS
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	--	1.9	< 5 U	< 1500 U	150 J	< 5 U	1240
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	--	1.2	< 25 U	< 300 U	< 250 U	< 50 U	1320 J-TDS
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	640 J-	--	< 4 U	< 4 U	< 50 U	1920	115 J+
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 600 UJ	2.2	< 86 U	R	< 1600 U	< 34 U	1090
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 300 U	4.4	< 5 U	< 300 U	< 50 U	< 20 U	1080
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 300 U	0.91	11 J-TDS	< 600 U	< 50 U	< 10 U	1080 J-TDS
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	--	5.5	< 5 U	< 60 U	< 500 U	< 5 U	R-CAB&TDS
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	--	2.5	20 J-TDS	< 60 U	< 50 U	< 1 U	1170 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	5500 J-	--	1300	< 40 U	490 J	329	883
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	5600 J-	--	940	< 40 U	140 J	86.2	1630
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	40900 J+	0.26	700 J-	< 500 UJ	< 1600 UJ	69.2	912
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	43000 J+	1.6	570 J-	< 500 UJ	< 1600 UJ	69.1	900
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	34000	0.2	740	< 300 U	210 J	66	1030
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	33500	0.73	320 J-TDS	< 600 U	< 50 U	44	1010 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	--	3.2	350 J-TDS	< 60 U	< 500 U	32.4	879 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	--	4	400 J-TDS	< 60 U	< 50 U	43.1 J-TDS	952 J-TDS
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	750	--	< 10 U	< 6.1 U	160 J	1400	395
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	< 300 UJ	1.7	< 86 UJ	< 500 UJ	< 1600 UJ	< 17 U	2470
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 3000 U	4	< 50 U	< 3000 U	410	< 20 U	2250
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 3000 U	3.4	< 50 U	< 3000 U	390	< 20 U	2210
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 3000 U	4	< 50 U	< 1500 U	< 500 U	< 10 U	2540 J-TDS
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	3700 J	2.7	< 50 U	< 1500 U	< 500 U	< 10 U	2530 J-TDS
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	--	4	< 50 U	< 600 U	< 5000 U	< 20 U	2230
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	--	7	R-CAB&TDS	< 150 U	210 J	R-CAB&TDS	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	--	8.6	R-CAB&TDS	< 150 U	140 J	R-CAB&TDS	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	2100	--	< 10 U	< 6.1 U	130 J	907	237
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	22100 J+	4.7	< 86 UJ	< 5000 UJ	< 1600 UJ	< 17 U	3420
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	15900	1.5	< 50 U	< 6000 U	710 J	< 500 U	4320
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	29200	1.5	< 50 U	< 1500 U	< 500 U	< 10 U	4360 J-TDS
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	--	1.8	< 50 U	< 600 U	< 5000 U	< 20 U	3830
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	--	7.7	R-CAB&TDS	< 600 U	< 1000 U	R-CAB&TDS	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	--	8.3	R-CAB&TDS	< 600 U	< 1000 U	R-CAB&TDS	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	9500	--	< 10 U	< 6.1 U	150 J	1180	91.3
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	40500 J+	1.2	< 86 UJ	< 500 UJ	< 1600 UJ	< 68 UJ	837
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	44700	3.2	< 5 U	< 300 U	< 50 U	< 10 U	1070
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	46800	2.6	< 5 U	< 600 U	620	< 5 U	1110 J-TDS
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	--	1.1	< 5 U	< 60 U	< 500 U	< 1 U	1060
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	--	4.9	R-CAB&TDS	< 60 U	220 J	R-CAB&TDS	R-CAB&TDS
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	183000	3.8	< 50 U	< 300 U	430 J	< 50 U	1820
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	156000 J	3.8	< 5 U	< 6000 U	< 50 U	< 20 U	1720 J-TDS
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	--	4.5	< 100 U	< 60 U	< 50 UJ	< 5 U	1710
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	--	9.3	R-CAB&TDS	< 150 U	320 J	R-CAB&TDS	R-CAB&TDS
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 300 U	1.6	< 50 U	< 300 U	< 50 U	< 10 U	1300
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 3000 U	6.1	< 5 U	< 600 U	< 50 U	< 10 U	1280 J-CAB
Shallow	Down-Gradient	H-28	55c	N	07/22/09	--	0.98	< 100 U	< 60 U	< 50 U	< 5 U	1270 J-TDS
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	--	1.2	< 100 U	< 60 U	< 50 U	< 5 U	1270 J-TDS

TABLE 3-10
GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 4)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Iodide	Ion Balance Difference	Nitrate	Nitrite	Orthophosphate	Perchlorate	Sulfate
					Units	ug/L	percent	ug/L	ug/L	ug/L	ug/L	mg/L
					MCL	--	--	10000	1000	--	--	--
					BCL	--	--	10000	1000	--	18	--
Shallow	Down-Gradient	H-28	55d	N	10/20/09	--	4.3	93 J, J-TDS	< 300 U	< 250 U	12900 J-TDS	1280 J-TDS
Shallow	Down-Gradient	H-43	55a	N	01/27/09	21200	2.4	18	< 300 U	< 50 U	< 10 U	965
Shallow	Down-Gradient	H-43	55b	N	04/21/09	23200	1.8	< 5 U	< 600 U	< 50 U	< 1 U	972 J-TDS
Shallow	Down-Gradient	H-43	55c	N	07/30/09	--	2.3	< 5 U	< 60 U	< 50 U	< 5 U	983 J-TDS
Shallow	Down-Gradient	H-43	55d	N	10/23/09	--	3	< 5 U	< 60 U	< 50 U	< 1 U	1060 J-TDS
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 3000 U	1.6	1600	< 300 U	190	52000	1570
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 300 U	3.1	1900 J-TDS	< 600 U	< 50 U	56500 J-TDS	1580 J-TDS
Shallow	Down-Gradient	M7B	55c	N	07/28/09	--	1.5	1300 J-TDS	< 1500 U	< 500 U	49400	1530 J-TDS
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	--	0.12	1400 J-TDS	< 1500 U	< 50 U	48400	1520 J-TDS
Shallow	Down-Gradient	M7B	55d	N	10/28/09	--	6.9	R-CAB&TDS	< 1500 U	< 50 U	R-CAB&TDS	R-CAB&TDS
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	< 33 U	--	< 400 U	< 400 U	< 5000 UJ-	983	3770
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	< 3000 UJ	0.69	< 86 UJ	R	< 1600 UJ	< 34 U	2100
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 3000 U	7.3	< 50 U	< 6000 U	< 500 U	< 50 U	2170 J-CAB
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 3000 U	6.2	< 50 U	< 300 U	< 500 U	R-CAB&TDS	R-CAB&TDS
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 3000 U	3.7	< 50 UJ	< 300 UJ	< 500 UJ	17.8 J-TDS	2160 J-TDS
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	--	3.2	120 J	< 600 U	< 500 U	19.4 J	2230
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	--	2.5	< 50 U	< 600 U	< 500 U	15.6 J-TDS	2250 J-TDS
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	< 330 U	--	< 4 UJ-	< 400 UJ-	< 50 UJ-	20300	451
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	< 15000 U	2.2	< 86 U	R	< 1600 UJ	< 170 UJ	4540
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 30000 U	0.2	< 50 U	< 6000 U	< 500 U	313 J	4380
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 3000 U	0.22	< 50 U	< 600 U	< 500 U	247	4740
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	--	0.55	< 500 U	< 3000 U	< 50000 U	209	4770
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	--	4.6	4200 J-TDS	< 6000 U	< 5000 U	133 J-TDS	4660 J-TDS
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	49800 J+	2.5	< 86 U	< 500 U	87700 J+	< 339 UJ	3500
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	--	3.1	< 5 U	< 60 U	10200 J	< 20 U	940 J-TDS
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	< 3000 U	1.5	< 50 U	< 300 U	< 500 UJ	< 50 U	2220
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	< 3000 U	1.3	< 50 U	< 300 U	< 500 U	--	2740 J-TDS
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	--	1	< 50 U	< 600 U	< 5000 U	--	2420 J-TDS
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	--	4	< 10 U	< 150 U	160 J	< 50 U	2730 J-TDS
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 3000 U	0.4	< 50 U	< 300 U	< 50 UJ	< 50 U	1590
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 3000 U	8.7	< 50 U	< 300 U	< 500 U	--	R-CAB&TDS
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	--	2.2	< 50 U	< 600 U	< 5000 U	< 10 U	1500 J-TDS
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	--	3.6	< 10 U	< 150 U	< 100 U	< 10 U	1700 J-TDS
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	--	4.1	470	< 60 U	< 50 U	2.76 J	251
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	--	--	< 2500 U	--	--	< 90 U	860
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	--	--	< 2500 U	--	--	0.21 J+	580
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	--	--	< 2500 U	--	--	2.4	1700
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	--	--	< 250 U	--	--	0.31	240
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	--	6.4	25 J-CAB	< 60 U	< 50 UJ	14.3 J-CAB	182 J,J-CAB
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	--	--	4500	--	--	< 0.9 U	200
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	--	--	11000	--	--	< 0.9 U	180
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	--	--	4600	--	--	< 0.9 U	210
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	--	--	4200	--	--	< 0.9 U	220

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-11
GENERAL WATER QUALITY RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 2)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Hardness, Total	Hydroxide alkalinity	Total Alkalinity	Total Dissolved Solids
					Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--	500
					BCL	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	237 J-	< 1.8 U	264	< 1.2 U	237 J-	12900 J-
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	193	< 0.85 U	5780	< 0.85 U	193	19400 J-
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	--	--	6800	--	--	14100 J-
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	205 J-TDS	< 0.31 U	6650	< 0.31 U	205 J-TDS	10300 J-TDS
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	250	< 0.31 U	6170	< 0.31 U	250	19300
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	199 J-TDS	< 0.31 U	6730	< 0.31 U	199 J-TDS	15000 J-TDS
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	194	< 1.8 U	772	< 1.2 U	194	7700
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	196	< 1.8 U	764	< 1.2 U	196	7760
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	158	< 0.85 U	3550	< 0.85 U	158	11900 J-
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	--	--	4550	--	--	10100 J-
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	--	--	4680	--	--	10400 J-
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	162 J-TDS	< 0.31 U	4450	< 0.31 U	162 J-TDS	6900 J-TDS
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	105	< 0.31 U	4460	< 0.31 U	105	11000
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	155 J-TDS	< 0.31 U	4740	< 0.31 U	155 J-TDS	10600 J-TDS
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	159	< 1.8 U	500	< 1.2 U	159	5410
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	168	< 0.85 U	2190	< 0.85 U	168	7160 J-
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	--	--	2790	--	--	6660
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	119 J-TDS	< 0.31 U	2740	< 0.31 U	119 J-TDS	3400 J-TDS
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	119	< 0.31 U	2810	< 0.31 U	R-CAB&TDS	R-CAB&TDS
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	110 J-TDS	< 0.31 U	3140	< 0.31 U	110 J-TDS	6000 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	371	< 1.8 U	844	< 1.2 U	371	2820
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	210	< 1.8 U	836	< 1.2 U	210	2780
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	189	< 0.85 U	960	< 0.85 U	189	4400 J-
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	169	< 0.85 U	1100	< 0.85 U	169	4500 J-
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	--	--	1470	--	--	4030
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	193 J-TDS	< 0.31 U	1290	< 0.31 U	193 J-TDS	3160 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	175	< 0.31 U	1210	< 0.31 U	175 J-TDS	27700 J-TDS
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	176 J-TDS	< 0.31 U	1300	< 0.31 U	176 J-TDS	2600 J-TDS
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	492	< 1.8 U	308	< 1.2 U	492	29600
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	484	< 1.7 U	2120	< 1.7 U	484	22900 J-
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	--	--	2610	--	--	13200
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	--	--	2670	--	--	13400
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	545 J-TDS	< 1.5 U	2590	< 0.31 U	545 J-TDS	15900 J-TDS
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	412 J-TDS	< 0.61 U	2610	< 0.31 U	412 J-TDS	15800 J-TDS
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	545	< 0.31 U	851	< 0.31 U	545	19600
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	R-CAB&TDS	R-CAB&TDS	2730	< 0.61 U	R-CAB&TDS	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	R-CAB&TDS	R-CAB&TDS	2820	< 0.61 U	R-CAB&TDS	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	442	< 1.8 U	208	< 1.2 U	442	14800
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	788	< 1.7 U	2050	< 1.7 U	788	25100 J-
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	--	--	2790	--	--	20100
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	750 J-TDS	< 1.5 U	2700	< 0.31 U	750 J-TDS	21500 J-TDS
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	455	< 0.31 U	2360	< 0.31 U	455	23300
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	R-CAB&TDS	R-CAB&TDS	2510	< 0.31 U	R-CAB&TDS	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	R-CAB&TDS	R-CAB&TDS	2510	< 0.61 U	R-CAB&TDS	R-CAB&TDS
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	382	< 1.8 U	840	< 1.2 U	382	3990
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	233	< 0.85 U	1020	< 0.85 U	233	4700 J-
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	--	--	1710	--	--	3600
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	240 J-TDS	< 0.31 U	747	< 0.31 U	240 J-TDS	4870 J-TDS
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	210	< 0.31 U	1580	< 0.31 U	210	5300
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	R-CAB&TDS	R-CAB&TDS	1520	< 0.31 U	R-CAB&TDS	R-CAB&TDS
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	--	--	1940	--	--	8600
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	840 J-TDS	< 1.5 U	2060 J	< 0.31 U	840 J-TDS	11400 J-TDS
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	860	< 0.31 U	2050	< 0.31 U	860	13800
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	R-CAB&TDS	R-CAB&TDS	2490	< 0.61 U	R-CAB&TDS	R-CAB&TDS
Shallow	Down-Gradient	H-28	55a	N	01/26/09	--	--	3810	--	--	4900
Shallow	Down-Gradient	H-28	55b	N	04/22/09	220 J-CAB	< 0.31 U	3650	< 0.31 U	220 J-CAB	8850 J-CAB
Shallow	Down-Gradient	H-28	55c	N	07/22/09	153	< 0.31 U	3760	< 0.31 U	153 J-TDS	5600 J-TDS
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	150	< 0.31 U	3700	< 0.31 U	150 J-TDS	3300 J-TDS

TABLE 3-11
GENERAL WATER QUALITY RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 2)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Hardness, Total	Hydroxide alkalinity	Total Alkalinity	Total Dissolved Solids
					Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--	500
					BCL	--	--	--	--	--	--
Shallow	Down-Gradient	H-28	55d	N	10/20/09	148 J-TDS	< 0.31 U	4150	< 0.31 U	148 J-TDS	8800 J-TDS
Shallow	Down-Gradient	H-43	55a	N	01/27/09	--	--	1330	--	--	2800
Shallow	Down-Gradient	H-43	55b	N	04/21/09	314 J-TDS	< 0.31 U	1340	< 0.31 U	314 J-TDS	4090 J-TDS
Shallow	Down-Gradient	H-43	55c	N	07/30/09	277	< 0.31 U	1410	< 0.31 U	277 J-TDS	5600 J-TDS
Shallow	Down-Gradient	H-43	55d	N	10/23/09	260 J-TDS	< 0.31 U	1420	< 0.31 U	260 J-TDS	5300 J-TDS
Shallow	Down-Gradient	M7B	55a	N	02/03/09	--	--	3400	--	--	6000
Shallow	Down-Gradient	M7B	55b	N	04/23/09	94 J-TDS	< 0.31 U	3260	< 0.31 U	94 J-TDS	7210 J-TDS
Shallow	Down-Gradient	M7B	55c	N	07/28/09	89	< 0.31 U	3110	< 0.31 U	89 J-TDS	10100 J-TDS
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	92	< 0.31 U	3190	< 0.31 U	92 J-TDS	10000 J-TDS
Shallow	Down-Gradient	M7B	55d	N	10/28/09	R-CAB&TDS	R-CAB&TDS	3820	< 0.31 U	R-CAB&TDS	R-CAB&TDS
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	542	< 1.8 U	292	< 1.2 U	542	38200
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	327	< 0.85 U	1880	< 0.85 U	327	22800 J-
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	--	--	2310	--	--	17800 J-
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	R-CAB&TDS	< 0.31 U	2560	< 0.31 U	R-CAB&TDS	R-CAB&TDS
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	331 J-TDS	< 0.31 U	861	< 0.31 U	331 J-TDS	15400 J-TDS
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	338	< 0.31 U	876	< 0.31 U	338	21200
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	329 J-TDS	< 0.31 U	914	< 0.31 U	329 J-TDS	16600 J-TDS
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	376	< 1.8 U	520	< 1.2 U	376	43500 J-
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	386	< 0.85 U	9150	< 0.85 U	386	60000 J-
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	--	--	13000	--	--	54900 J-
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	520	< 0.31 U	12200	< 0.31 U	520	57500
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	445	< 0.31 U	11600	< 0.31 U	445	61600
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	447 J-TDS	< 0.31 U	13400	< 0.31 U	447 J-TDS	46500 J-TDS
Shallow	Up-Gradient	AA-BW-12A	49	N	10/23/07	3030	< 8.5 U	1720	< 8.5 U	3030	23400 J-
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	416 J-TDS	< 0.31 U	1510	< 0.31 U	416 J+,J-TDS	5500 J-TDS
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	--	--	5420	--	--	18600
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	181 J-TDS	< 0.31 U	5260	< 0.31 U	181 J-TDS	14400 J-TDS
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	151	< 0.31 U	4940	< 0.31 U	151 J-TDS	23400 J-TDS
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	166 J-TDS	< 0.31 U	1940	< 0.31 U	166 J-TDS	17300 J-TDS
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	--	--	2400	--	--	12800
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	R-CAB&TDS	< 0.31 U	2440	< 0.31 U	R-CAB&TDS	R-CAB&TDS
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	450	< 0.31 U	2540	< 0.31 U	450 J-TDS	13700 J-TDS
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	394 J-TDS	< 0.31 U	2700	< 0.31 U	394 J-TDS	13100 J-TDS
Shallow	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	98.4	< 0.31 U	259	< 0.31 U	98.4 J+	911
Middle	Down-Gradient	MC-MW-30	POSSM	N	11/10/09	130	< 2 U	--	< 2 U	130	8000
Middle	Down-Gradient	MC-MW-31	POSSM	N	11/19/09	100	< 2 U	--	< 2 U	100	4500
Middle	Up-Gradient	MC-MW-10	POSSM	N	11/13/09	330	< 2 U	--	< 2 U	330	14000
Middle	Up-Gradient	MC-MW-11	POSSM	N	11/12/09	86	< 2 U	--	< 2 U	86	870
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	90.4 J-CAB	< 0.31 U	134	< 0.31 U	90.4 J+,J-CAB	700
Deep	Down-Gradient	TR-11	POSSM	N	11/18/09	68	< 2 U	--	< 2 U	68	730
Deep	Down-Gradient	TR-12	POSSM	N	11/21/09	76	< 2 U	--	< 2 U	76	510
Deep	Up-Gradient	DMC-MW-28	POSSM	N	10/27/09	80	< 2 U	--	< 2 U	80	730
Deep	Up-Gradient	MW-08	POSSM	N	11/18/09	72	< 2 U	--	< 2 U	72	790

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-12
RADIONUCLIDE RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 2)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Radium-226	Radium-226/228	Radium-228	Radon-222	Thorium-228	Thorium-230	Thorium-232	Uranium-233/234	Uranium-235/236	Uranium-238
					Units	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
					MCL	--	5	--	4000	--	--	--	--	--	--
					BCL	--	--	--	300	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-01A	30	N	04/21/05	0.84	1.54	0.7	--	0.07 U	0.14 U	0.002 U	14.7	0.5	10.8
Shallow	Cross-Gradient	AA-BW-01A	49	N	10/24/07	0.742 J	2.31	1.57	--	-0.0219 U	0.0427 U	0 U	11.4	0.431	8.83
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	2.95	5.04	2.09 J	290	0.0337 U	0.0358 U	-0.019 U	9.87	0.708	9.63 J
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	1.68	4.41	2.73	313	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	1.49 J-	3.95	2.46	764	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	1.09	3.48	2.39	378	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-02A	30	N	04/14/05	0.6	1.81	1.21	--	0.021 U	0.15 U	-0.004 U	28.1	1.16	20.5
Shallow	Cross-Gradient	AA-BW-02A	30	FD	04/14/05	0.54	1.82	1.28	--	0.51	0.077 U	0.05 U	27.9	0.76	20
Shallow	Cross-Gradient	AA-BW-02A	49	N	10/29/07	0.431 J	1.56	1.13 J	--	0.0838 U	0.0586 U	0 U	23.4	0.736	17.6
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	1.98	3.55	1.57 J	545	-0.162 U	0.118 U	-0.0672 U	25.5	1.47	16.6 J
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	1.42	2.75	1.33 J	533	-0.0748 U	0.0634 U	-0.019 U	23.5	1.55	19.2 J
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	2.45	4.34	1.89	517	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	0.697 J-	3.01	2.31	533	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	0.878	2.12	1.24	558	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-03A	30	N	04/13/05	0.59	1.67	1.08	--	0.1 U	0.23 U	0.06 U	29.6	0.95	22.1
Shallow	Cross-Gradient	AA-BW-03A	49	N	10/26/07	0.659 J	1.8	1.14 J	--	0.0376 U	0.416 J	0 U	29.5	0.651	19.5
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	4.6	7.26	2.66	251	-0.229 U	-0.19 U	0.115 U	27.2	1.86	20.4 J
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	1.72	3.99	2.27	306	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	1.01 J-	3.07	2.06	383	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	1.44	3.56	2.12	249	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-07A	30	N	04/12/05	0.43	0.93	0.5 U	--	0.11 U	0.09 U	0.017 U	8	0.27	4.81
Shallow	Cross-Gradient	AA-BW-07A	30	FD	04/12/05	0.2 U	0.68	0.48 U	--	0.11 U	0.077 U	0.013 U	6.96	0.27	4.4
Shallow	Cross-Gradient	AA-BW-07A	49	N	10/23/07	0.163 J	0.63	0.466 U	--	-0.0101 U	0.0196 U	0 U	6.66	0.308 J	4.51
Shallow	Cross-Gradient	AA-BW-07A	49	FD	10/23/07	0.0549 U	0.31	0.255 U	--	0.0274 U	0.0355 U	0.0444 U	6.43	0.153 UJ	4.24
Shallow	Cross-Gradient	AA-BW-07A	55a	N	01/21/09	1 U	1.45	0.451 U	867	0.158 U	-0.0787 U	-0.0673 U	10.7	1.1	6.52 J
Shallow	Cross-Gradient	AA-BW-07A	55b	N	04/23/09	0.915	1.47	0.554 U	926	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	0.886	3.47	2.58	900	--	--	--	--	--	--
Shallow	Cross-Gradient	AA-BW-07A	55d	N	10/28/09	1.05	1.91	0.862	837	--	--	--	--	--	--
Shallow	Down-Gradient	AA-BW-04A	30	N	04/19/05	0.74	2.45	1.71	--	0.17 U	0.19 U	-0.014 U	25	1.13	17.7
Shallow	Down-Gradient	AA-BW-04A	49	N	10/23/07	0.144 J	0.85	0.702	--	-0.0479 U	0.0776 U	0 U	11.7	0.349	9.24
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	8.15	8.72	0.573	340	-0.208 U	0.162 U	-0.0332 U	10	0.785	8.75 J
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	9.68	10.9	1.21	275	0.00794 U	0.3	0.0881 U	10.8	1.36	8.45 J
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	0.346 U	3.79	3.44 J	273	--	--	--	--	--	--
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	0.173 U	1.34	1.17 J	228	--	--	--	--	--	--
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	0.0796 U	1.68	1.6	645	--	--	--	--	--	--
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	1.94 J	3.25	1.31	216 J	--	--	--	--	--	--
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	2.38 J	3.34	0.962	791 J	--	--	--	--	--	--
Shallow	Down-Gradient	AA-BW-05A	30	N	04/19/05	0.68	1.96	1.28	--	0.009 U	0.067 U	-0.012 U	4.47	0.14	3.08
Shallow	Down-Gradient	AA-BW-05A	49	N	10/23/07	0.351 J	1.41	1.06	--	0.0594 U	-0.0145 U	0 U	6.07	0.0944 U	4.37
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	2.36	4.4	2.04	66.4 U	0.00179 U	0.205	-0.0351 U	6.1	0.381 U	4.44 J
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	0.979	2.52	1.54	16.5 U	--	--	--	--	--	--
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	0.914	2.01	1.09	120	--	--	--	--	--	--
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	2.42 J	4.23	1.81	320 J	--	--	--	--	--	--
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	1.68 J	2.79	1.11	543 J	--	--	--	--	--	--
Shallow	Down-Gradient	AA-BW-06A	30	N	04/19/05	0.29	0.56	0.27 U	--	0.15 U	0.52 U	0.03 U	4.52	0.17 U	3.25
Shallow	Down-Gradient	AA-BW-06A	49	N	10/23/07	0.12 J	0.91	0.785	--	0.077 U	0.0416 U	0 U	0.745 J	-0.0141 U	0.872 J
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	0.411 U	1.03	0.623	766	0.299 U	0.291 U	-0.0164 U	1 U	0.175 U	0.435
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	0.227 U	1.23	1 U	726	--	--	--	--	--	--
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	0.284	0.78	0.499 U	962	-0.0547 U	0.0284 U	-0.0622 U	0.515 U	0.0961 U	0.171 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	2.68 J	3.12	0.444 U	831	--	--	--	--	--	--
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	1 U	2.07	1.07	674	0.195 U	0.183 U	0.00384 U	1.98	0.247 U	1.65 J
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	1 U	1.97	0.97	708	--	--	--	--	--	--
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	0.347 U	1.77	1.42	925	0.169 U	1 U	0.34 U	4.11	0.358	3.28
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	2.14 J	3.09	0.947	668	--	--	--	--	--	--
Shallow	Down-Gradient	H-28	55a	N	01/26/09	6.21	7.36	1.15	499	-0.0182 U	0.349	0.0397 U	29.8	1.45	23.2 J
Shallow	Down-Gradient	H-28	55b	N	04/22/09	0.779	1.78	1 U	710	--	--	--	--	--	--
Shallow	Down-Gradient	H-28	55c	N	07/22/09	-0.0889 U	1.16 U	0.763 U	619	--	--	--	--	--	--

TABLE 3-12
RADIONUCLIDE RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 2)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Radium-226	Radium-226/228	Radium-228	Radon-222	Thorium-228	Thorium-230	Thorium-232	Uranium-233/234	Uranium-235/236	Uranium-238
					Units	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
					MCL	--	5	--	4000	--	--	--	--	--	--
					BCL	--	--	--	300	--	--	--	--	--	--
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	0.539	0.45	0.392 U	647	--	--	--	--	--	--
Shallow	Down-Gradient	H-28	55d	N	10/20/09	1.84 J	2.3	0.458 U	644	--	--	--	--	--	--
Shallow	Down-Gradient	H-43	55a	N	01/27/09	0.299 U	0.45	0.15 U	449	-0.0853 U	0.222 U	0.0565 U	-0.03 U	0.0754 U	0.299
Shallow	Down-Gradient	H-43	55b	N	04/21/09	0.169 U	0.54	0.37 U	434	--	--	--	--	--	--
Shallow	Down-Gradient	H-43	55c	N	07/30/09	0.915	1.68	0.765 U	684	0.0999 U	0.198 U	-0.0188 U	0.593 U	-0.056 U	0.31 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	2.01 J	2.51	0.499 U	688	--	--	--	--	--	--
Shallow	Down-Gradient	M7B	55a	N	02/03/09	0.436	1.71	1.27	257	-0.034 U	0.091 U	0.0834 U	15.7	0.527	13.2
Shallow	Down-Gradient	M7B	55b	N	04/23/09	1.39	2.68	1.29	273	--	--	--	--	--	--
Shallow	Down-Gradient	M7B	55c	N	07/28/09	0.825	4.75	2.5	201	--	--	--	--	--	--
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	1.32	2.15	2.25	177	--	--	--	--	--	--
Shallow	Down-Gradient	M7B	55d	N	10/28/09	1.41	4.23	2.82	303	--	--	--	--	--	--
Shallow	Up-Gradient	AA-BW-08A	30	N	04/15/05	0.1 U	1.38	1.28	--	-0.04 U	0.03 U	0.002 U	11	0.33	8
Shallow	Up-Gradient	AA-BW-08A	49	N	10/25/07	0.025 U	0.93	0.907 J	--	0.0541 U	0.0527 U	0 U	4.34	0.0552 U	2.96
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	1.33	2.29	0.962 J	408	-0.0798 U	0.132 U	0.159 U	4.26	0.213 U	3.45 J
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	3.41 J	4.02	0.612 U	513	--	--	--	--	--	--
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	0.818 J	1.52	0.703 U	486	--	--	--	--	--	--
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	0.513 U	1.97	1.46	522	--	--	--	--	--	--
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	0.756	1.81	1.05	442	--	--	--	--	--	--
Shallow	Up-Gradient	AA-BW-09A	30	N	04/16/05	-0.06 U	2.49	2.55	--	0.23	0.37 U	-0.005 U	92	3.81	67.1
Shallow	Up-Gradient	AA-BW-09A	49	N	10/29/07	--	--	--	--	0.117 U	0.114 U	0 U	123	3.05	84.3
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	1.33	10.8	9.51 J	67.8	0.0149 U	0.0229 U	-0.0865 U	156	5.57	106 J
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	1.54	11.9	10.4 J+	164	--	--	--	--	--	--
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	1.63 J-	12.53	10.9	115	--	--	--	--	--	--
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	0.738	12.6	11.9	104	--	--	--	--	--	--
Shallow	Up-Gradient	AA-BW-12A	49	N	10/24/07	0.567 J	1.32	0.749	--	0.0568 U	-0.0184 U	0 U	0.0937 U	0 U	0.0603 U
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	0.531 U	1.61	1.08	268	--	--	--	--	--	--
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	1.73	4.92	3.19	114	-0.145 U	0.153 U	0.181 U	6.92	0.425	4.53 J
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	1.77 J	3.58	1.81	90	--	--	--	--	--	--
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	1 U	2.33	1.33	565	-0.12 U	0.135 U	0.129 U	1.3	0.0647 U	1.18 J
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	0.811	1.99	1.18	935	--	--	--	--	--	--
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	1.9 J	3.06	1.16	814	--	--	--	--	--	--
Middle	Up-Gradient	MCF-BW-11A	55d	N	10/13/09	0.355 U	1.32	0.967	270	--	--	--	--	--	--
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	0.534 U	2.31	1.78 J	-40.6 U	--	--	--	--	--	--

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-13
METHYL MERCURY AND WHITE PHOSPHORUS RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 2)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Methyl mercury	White phosphorus
					Units	ng/L	ug/L
					MCL	--	--
					BCL	3.7	0.73
Shallow	Cross-Gradient	AA-BW-01A	55a	N	01/19/09	0.028 J	< 0.023 U
Shallow	Cross-Gradient	AA-BW-01A	55b	N	04/27/09	0.046 J	< 0.05 U
Shallow	Cross-Gradient	AA-BW-01A	55c	N	07/20/09	0.088	< 0.05 UJ
Shallow	Cross-Gradient	AA-BW-01A	55d	N	10/26/09	0.05	< 0.05 UJ
Shallow	Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.02 U	< 0.023 U
Shallow	Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.02 U	< 0.023 U
Shallow	Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.021 U	< 0.05 U
Shallow	Cross-Gradient	AA-BW-02A	55c	N	07/20/09	< 0.02 U	< 0.05 UJ
Shallow	Cross-Gradient	AA-BW-02A	55d	N	10/26/09	< 0.02 U	< 0.05 UJ
Shallow	Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.02 U	< 0.023 U
Shallow	Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.02 U	< 0.05 U
Shallow	Cross-Gradient	AA-BW-03A	55c	N	07/23/09	0.021 J	< 0.05 U
Shallow	Cross-Gradient	AA-BW-03A	55d	N	10/27/09	< 0.02 U	< 0.05 UJ
Shallow	Cross-Gradient	AA-BW-07A	55c	N	07/22/09	--	< 0.05 U
Shallow	Down-Gradient	AA-BW-04A	55a	N	01/26/09	0.693	< 0.023 U
Shallow	Down-Gradient	AA-BW-04A	55a	FD	01/26/09	0.978	< 0.023 U
Shallow	Down-Gradient	AA-BW-04A	55b	N	04/20/09	1.41	< 0.05 U
Shallow	Down-Gradient	AA-BW-04A	55b	FD	04/20/09	1.24	< 0.05 U
Shallow	Down-Gradient	AA-BW-04A	55c	N	07/21/09	1.06	< 0.05 UJ
Shallow	Down-Gradient	AA-BW-04A	55d	N	10/21/09	< 0.451 U	< 0.05 U
Shallow	Down-Gradient	AA-BW-04A	55d	FD	10/21/09	< 0.302 U	< 0.05 U
Shallow	Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.02 U	< 0.023 U
Shallow	Down-Gradient	AA-BW-05A	55b	N	04/21/09	0.036 J	< 0.05 U
Shallow	Down-Gradient	AA-BW-05A	55c	N	07/21/09	0.05	< 0.05 UJ
Shallow	Down-Gradient	AA-BW-05A	55d	N	10/20/09	< 0.074 U	< 0.05 U
Shallow	Down-Gradient	AA-BW-05A	55d	FD	10/20/09	< 0.083 U	< 0.05 U
Shallow	Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.02 U	< 0.023 U
Shallow	Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.02 U	< 0.05 U
Shallow	Down-Gradient	AA-BW-06A	55c	N	07/30/09	0.031 J	< 0.05 U
Shallow	Down-Gradient	AA-BW-06A	55d	N	10/23/09	< 0.02 U	< 0.05 UJ
Shallow	Down-Gradient	H-21R	55a	N	01/23/09	0.052	< 0.023 U
Shallow	Down-Gradient	H-21R	55b	N	04/16/09	0.165	< 0.05 U
Shallow	Down-Gradient	H-21R	55c	N	07/16/09	0.171	< 0.05 U
Shallow	Down-Gradient	H-21R	55d	N	10/21/09	< 0.272 U	< 0.05 U
Shallow	Down-Gradient	H-28	55a	N	01/26/09	< 0.02 U	< 0.023 U
Shallow	Down-Gradient	H-28	55b	N	04/22/09	< 0.02 U	< 0.05 U
Shallow	Down-Gradient	H-28	55c	N	07/22/09	< 0.02 U	< 0.05 U
Shallow	Down-Gradient	H-28	55c	FD	07/22/09	< 0.021 U	< 0.05 U
Shallow	Down-Gradient	H-28	55d	N	10/20/09	0.027 J	< 0.05 U
Shallow	Down-Gradient	H-43	55a	N	01/27/09	< 0.02 U	< 0.023 U
Shallow	Down-Gradient	H-43	55b	N	04/21/09	< 0.02 U	< 0.05 U
Shallow	Down-Gradient	H-43	55c	N	07/30/09	< 0.049 U	< 0.05 U
Shallow	Down-Gradient	H-43	55d	N	10/23/09	< 0.019 U	< 0.05 U
Shallow	Down-Gradient	M7B	55a	N	02/03/09	< 0.02 U	< 0.023 U
Shallow	Down-Gradient	M7B	55b	N	04/23/09	< 0.02 U	< 0.05 U
Shallow	Down-Gradient	M7B	55c	N	07/28/09	< 0.02 U	< 0.05 UJ
Shallow	Down-Gradient	M7B	55c	FD	07/28/09	< 0.021 U	< 0.05 UJ
Shallow	Up-Gradient	AA-BW-08A	55a	N	01/20/09	0.192	< 0.023 U
Shallow	Up-Gradient	AA-BW-08A	55b	N	04/28/09	0.328	< 0.05 U
Shallow	Up-Gradient	AA-BW-08A	55b	FD	04/28/09	0.237	< 0.05 U
Shallow	Up-Gradient	AA-BW-08A	55c	N	07/29/09	0.42	< 0.05 U
Shallow	Up-Gradient	AA-BW-08A	55d	N	10/29/09	0.256	< 0.05 UJ
Shallow	Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.02 U	< 0.023 U
Shallow	Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.02 U	< 0.05 U
Shallow	Up-Gradient	AA-BW-09A	55c	N	07/24/09	0.031 J	< 0.05 U
Shallow	Up-Gradient	AA-BW-09A	55d	N	10/29/09	< 0.02 U	< 0.05 UJ
Shallow	Up-Gradient	AA-BW-12A	55d	N	10/13/09	0.087	< 0.05 U

TABLE 3-13
METHYL MERCURY AND WHITE PHOSPHORUS RESULTS
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 2)

Water-Bearing Zone	Location	Well ID	DVSR	Sample Type	Sample Date	Methyl mercury	White phosphorus
					Units	ng/L	ug/L
					MCL	--	--
					BCL	3.7	0.73
Shallow	Up-Gradient	AA-MW-07	55a	N	01/22/09	0.204	< 0.023 U
Shallow	Up-Gradient	AA-MW-07	55b	N	04/24/09	0.035 J	< 0.05 U
Shallow	Up-Gradient	AA-MW-07	55c	N	07/27/09	0.082	--
Shallow	Up-Gradient	AA-MW-07	55d	N	10/22/09	< 0.06 U	< 0.05 U
Shallow	Up-Gradient	EC-2	55a	N	01/22/09	< 0.02 U	< 0.023 U
Shallow	Up-Gradient	EC-2	55b	N	04/24/09	< 0.02 U	< 0.05 U
Shallow	Up-Gradient	EC-2	55c	N	07/27/09	0.029 J	< 0.05 U
Shallow	Up-Gradient	EC-2	55d	N	10/22/09	< 0.02 U	< 0.05 U
Middle	Up-Gradient	MC-MW-12	55d	N	11/17/09	0.636	--

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a-d which include only Shallow Zone data.
-- = no sample data.

TABLE 3-14
CATION-ANION BALANCES
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 3)

Summary of Cation-Anion Balance and Related Calculations

			Major Ion Chemistry Data Input										TDS and EC Input	
			Ca	Mg	Na	K	HCO_3	SO_4	Cl	F	NO_3	ClO_4	TDS Measured	EC Measured (2)
Well	Zone	pH	2+ (mg/l)	2+ (mg/l)	1+ (mg/l)	1+ (mg/l)	1- (mg/l)	2- (mg/l)	1- (mg/l)	1- (mg/l)	1- (mg/l)	1- (mg/l)	(mg/L)	(umhos/cm)
AA-BW-01A	Shallow	6.72	965	1050	3110	33.4	199	1950	7800	1.70	ND	ND	15000	19200
AA-BW-02A	Shallow	6.99	720	714	2020	24.4	155	1320	5300	0.980	ND	ND	10600	13700
AA-BW-03A	Shallow	6.87	495	462	1320	16.4	110	1170	3590	0.270	0.0200	ND	6000	9930
AA-BW-04A	Shallow	7.07	379	433	6650	45.1	455	2410	8610	ND	ND	2.30	18900	24800
AA-BW-04A FD	Shallow	7.07	390	448	6870	46.0	458	2270	8690	ND	ND	2.01	17700	24800
AA-BW-05A	Shallow	7.11	347	399	9310	73.1	712	3920	10600	0.940	0.270	1.81	23300	28200
AA-BW-05A FD	Shallow	7.11	344	400	9490	73.4	704	3860	10700	0.940	ND	1.81	21000	28200
AA-BW-06A	Shallow	7.16	295	191	1150	31.7	208	1130	2240	2.00	0.200	ND	5300	7380
AA-BW-07A	Shallow	6.91	288	140	878	21.0	176	952	1320	1.80	0.400	0.043	2600	5460
AA-BW-08A	Shallow	6.93	366	465	7150	34.2	329	2250	10600	0.560	ND	0.0160	16600	25900
AA-BW-09A	Shallow	6.49	1580	2290	18400	94.1	447	4660	30800	1.30	4.20	0.130	46500	63400
AA-BW-12A	Shallow	7.63	270	203	1730	24.3	416	940	2620	ND	ND	ND	5500	9200
AA-MW-07	Shallow	6.5	778	827	4810	33.4	166	2730	10100	ND	ND	ND	17300	22500
EC-2	Shallow	6.68	442	388	4360	32.0	394	1700	7840	ND	ND	ND	13100	18600
H-21R	Shallow	6.77	286	432	4740	44.5	756	2070	5610	ND	0.130	9.99	11800	16900
H-28	Shallow	6.79	643	617	1550	18.1	148	1280	3900	0.800	0.0930	12.9	8800	10800
H-43	Shallow	7.21	243	198	1080	24.7	260	1060	1940	1.70	ND	ND	5300	6700
M7B	Shallow	5.68	700	503	1730	25.5	87.6	1550	3540	ND	1.60	51.4	6100	10700
MCF-BW-11A	Shallow	8.25	58.0	27.8	201	9.24	98.4	251	225	0.720	0.470	0.00276	911	1520
MC-MW-12	Middle	7.03	27.7	15.8	180	7.59	90.4	182	155	0.520	0.0250	0.0143	700	1140

Summary of Charge Balance Error Check

			Major Ion Chemistry Data Input										TDS and Temperature		Density
			Ca	Mg	Na	K	HCO_3	SO_4	Cl	F	NO_3	ClO_4	Temperature Measured	TDS Measured	Calculated Density
Well	Zone	pH	2+ (mg/l)	2+ (mg/l)	1+ (mg/l)	1+ (mg/l)	1- (mg/l)	2- (mg/l)	1- (mg/l)	1- (mg/l)	1- (mg/l)	1- (mg/l)	˚C	(mg/L)	(kg/L)
AA-BW-09A	Shallow	6.49	1580	2290	18400	94.1	447	4660	30800	1.30	4.20	0.130	23.60	46500	1.03

Notes:
ND - not detected
NA - not applicable
mg/L - Milligrams per Liter
(1) For samples with anion sum > 800 meq/L, see Summary of Charge Balance Error Check table for Cation-Anion Balance Results.
(2) Specific Conductance readings taken in the field are up to an order of magnitude lower than observed during prior events, and are suspect.

Qualifiers:
J-TDS: TDS measured/sum and/or TDS:EC ratio checks do not pass; Cation-anion balance check does pass.
R-CAB&TDS: Cation-anion balance check does not pass; TDS measured/sum and/or TDS:EC ratio check do not pass.

Density calculated from http://www.earthwardconsulting.com/density_calculator.htm.

TABLE 3-14
CATION-ANION BALANCES
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 3)

Summary of Cation-Anion Balance and Related Calculations

	meq/l Calculations									
	Ca	Mg	Na	K	HCO_3	SO_4	Cl	F	NO_3	ClO_4
	20.039	12.153	22.969	39.098	61.016	48.031	35.453	18.998	62.004	99.449
	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)
Well	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)
AA-BW-01A	48.2	86.4	135	0.854	3.26	40.6	220	0.0895	NA	NA
AA-BW-02A	35.9	58.8	87.9	0.624	2.54	27.5	149	0.0516	NA	NA
AA-BW-03A	24.7	38.0	57.5	0.419	1.80	24.4	101	0.0142	0.000323	NA
AA-BW-04A	18.9	35.6	290	1.15	7.46	50.2	243	NA	NA	0.0231
AA-BW-04A FD	19.5	36.9	299	1.18	7.51	47.3	245	NA	NA	0.0202
AA-BW-05A	17.3	32.8	405	1.87	11.7	81.6	299	0.0495	0.00435	0.0182
AA-BW-05A FD	17.2	32.9	413	1.88	11.5	80.4	302	0.0495	NA	0.0182
AA-BW-06A	14.7	15.7	50.1	0.811	3.41	23.5	63.2	0.105	0.00323	NA
AA-BW-07A	14.4	11.5	38.2	0.537	2.88	19.8	37.2	0.0947	0.00645	0.000432
AA-BW-08A	18.3	38.3	311	0.875	5.39	46.8	299	0.0295	NA	0.000161
AA-BW-09A	78.8	188	801	2.41	7.33	97.0	869	0.0684	0.0677	0.00131
AA-BW-12A	13.5	16.7	75.3	0.622	6.82	19.6	73.9	NA	NA	NA
AA-MW-07	38.8	68.0	209	0.854	2.72	56.8	285	NA	NA	NA
EC-2	22.1	31.9	190	0.82	6.46	35.4	221	NA	NA	NA
H-21R	14.3	35.5	206	1.14	12.4	43.1	158	NA	0.00210	0.100
H-28	32.1	50.8	67.5	0.463	2.43	26.6	110	0.0421	0.00150	0.130
H-43	12.1	16.3	47.0	0.632	4.26	22.1	54.7	0.0895	NA	NA
M7B	34.9	41.4	75.3	0.652	1.44	32.3	100	NA	0.0258	0.517
MCF-BW-11A	2.89	2.29	8.75	0.236	1.61	5.23	6.35	0.0379	0.00758	0.0000278
MC-MW-12	1.38	1.30	7.84	0.194	1.48	3.79	4.37	0.0274	0.000403	0.000144

Summary of Charge Balance Error Check

	molality (mol/kg) Calculations									
	Ca	Mg	Na	K	HCO_3	SO_4	Cl	F	NO_3	ClO_4
	40.078	24.305	22.990	39.098	61.017	96.063	35.453	18.998	62.005	99.451
	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)
Well	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)
AA-BW-09A	0.0382	0.0912	0.775	0.00233	0.00709	0.0470	0.841	6.62 E-5	0.0000656	1.27 E-6

Notes:
ND - not detected
NA - not applicable
mg/L - Milligrams per Liter
(1) For samples with anion sum > 800 meq/L, see Summary of Charge Balance Error Check table for Cation-Anion Balance Results.
(2) Specific Conductance readings taken in the field are up to an order of magnitude lower than observed during prior events, and are suspect.

Qualifiers:
J-TDS: TDS measured/sum and/or TDS:EC ratio checks do not pass; Cation-anion balance check does pass.
R-CAB&TDS: Cation-anion balance check does not pass; TDS measured/sum and/or TDS:EC ratio check do not pass.

Density calculated from http://www.earthwardconsulting.com/density_calculator.htm.

TABLE 3-14
CATION-ANION BALANCES
2009 ANNUAL GROUNDWATER MONITORING REPORT—CAMU BASELINE
CAMU AREA, CLARK COUNTY, NEVADA
(Page 3 of 3)

Summary of Cation-Anion Balance and Related Calculations

	Cation-Anion Balance Tests					TDS Checks			Lab TDS and EC		
Well	Sum Cations (meq/l)	Sum Anions (meq/l)	(Cat-An)/(Cat+An) (%)	Acceptable Variance <5%?		TDS Sum (mg/l)	Lab/Sum Ratio -	Acceptable Ratio 1.0 - 1.2	Lab TDS / EC Ratio -	Acceptable Range 0.55 - 0.70	Qualifier
AA-BW-01A	270	264	1.22	PASS		15030	0.998	FAIL	0.781	FAIL	J-TDS
AA-BW-02A	183	179	1.14	PASS		10192	1.04	PASS	0.774	FAIL	J-TDS
AA-BW-03A	121	127	2.66	PASS		7120	0.843	FAIL	0.604	PASS	J-TDS
AA-BW-04A	346	301	6.96	FAIL		18802	1.01	PASS	0.762	FAIL	R-CAB&TDS
AA-BW-04A FD	357	300	8.65	FAIL		18991	0.932	FAIL	0.714	FAIL	R-CAB&TDS
AA-BW-05A	457	392	7.61	FAIL		25079	0.929	FAIL	0.826	FAIL	R-CAB&TDS
AA-BW-05A FD	465	394	8.27	FAIL		25293	0.830	FAIL	0.745	FAIL	R-CAB&TDS
AA-BW-06A	81.3	90.2	5.19	FAIL		5165	1.03	PASS	0.718	FAIL	R-CAB&TDS
AA-BW-07A	64.6	60.0	3.74	PASS		3707	0.701	FAIL	0.476	FAIL	J-TDS
AA-BW-08A	368	351	2.40	PASS		21063	0.788	FAIL	0.641	PASS	J-TDS
AA-BW-09A	1070	973	4.73	PASS	(1)	58098	0.800	FAIL	0.733	FAIL	J-TDS
AA-BW-12A	106	100	2.81	PASS		6037	0.911	FAIL	0.598	PASS	J-TDS
AA-MW-07	317	345	4.21	PASS		19378	0.893	FAIL	0.769	FAIL	J-TDS
EC-2	245	263	3.55	PASS		14998	0.873	FAIL	0.704	FAIL	J-TDS
H-21R	257	214	9.21	FAIL		13646	0.865	FAIL	0.698	PASS	R-CAB&TDS
H-28	151	139	4.02	PASS		8111	1.08	PASS	0.815	FAIL	J-TDS
H-43	76.0	81.1	3.26	PASS		4703	1.13	PASS	0.791	FAIL	J-TDS
M7B	152	134	6.31	FAIL		8154	0.748	FAIL	0.570	PASS	R-CAB&TDS
MCF-BW-11A	14.2	13.2	3.40	PASS		832	1.09	PASS	0.599	PASS	
MC-MW-12	10.7	9.67	5.13	FAIL		623	1.12	PASS	0.614	PASS	J-CAB
			Total Samples:	20				20		20	
			Passing:	12				7		7	
			Failing:	8				13		13	

Summary of Charge Balance Error Check

	Cation-Anion Balance Tests			
Well	Sum Cation (molality x valence) (meq/kg)	Sum Anions (molality x valence) (meq/kg)	Charge Balance Error (%)	Acceptable Variance <5%?
AA-BW-09A	1.04	0.942	4.73	PASS

Notes:
ND - not detected
NA - not applicable
mg/L - Milligrams per Liter
(1) For samples with anion sum > 800 meq/L, see Summary of Charge Balance Error Check table for Cation-Anion Balance Results.
(2) Specific Conductance readings taken in the field are up to an order of magnitude lower than observed during prior events, and are suspect.

Qualifiers:
J-TDS: TDS measured/sum and/or TDS:EC ratio checks do not pass; Cation-anion balance check does pass.
R-CAB&TDS: Cation-anion balance check does not pass; TDS measured/sum and/or TDS:EC ratio check do not pass.

Density calculated from http://www.earthwardconsulting.com/density_calculator.htm.

APPENDIX A

NDEP COMMENTS AND BRC'S RESPONSE TO COMMENTS

Responses to Nevada Division of Environmental Protection (NDEP) Comments, dated February 23, 2010, to 2009 Annual Groundwater Monitoring Report - CAMU Baseline dated February 2010 (received February 16, 2010)

1. Section 2.1, NDEP has the following comments:
   a. Page 2-1, second paragraph, BRC states that Table 2-3 identifies 15 wells to be monitored quarterly by BRC. NDEP counts 13 wells on this table. Please clarify or rectify the text.
   b. Page 2-1, second paragraph, BRC states that Table 2-3 identifies 14 wells to be monitored by upgradient Companies. NDEP counts 16 wells on this table. Please clarify or rectify the text.
   c. Page 2-1, third paragraph, bullets, two Shallow Zone wells are indicated to be sampled by Companies (AA-BW-12A and MCF-BW-11A); however, Table 2-3 indicates these wells are the responsibility of BRC. Please clarify.
   d. Page 2-1, third paragraph, bullets, 12 wells are indicated to be sampled by Companies. This does not correspond with the preceding paragraph (14) or Table 2-3 (16). Please rectify.

Response: *To alleviate future confusion, the text and table that are the subject of these comments have been revised for clarification and to correct inaccuracies.*

From NDEP's comments it appears that the information in the "Owner" column in Table 2-3 was mis-interpreted as reflecting the entity responsible for conducting the monitoring at a given well; to reduce confusion, the "Owner" column in that table has been removed, and a column designating the water-bearing zone being monitored by each well has been added. Table 2-3 has also been revised to reflect the sampling responsibilities originally identified in the GMP, and color coding has been added to Table 2-3 to better distinguish the entities that were to perform the monitoring at each well under that plan. Furthermore, the coding used to identify the entities performing the sampling ("B" for BRC or "C" for Upgradient Companies) have been expanded to include an asterisk ("C") for cases in which a given well was specified in the GMP as being sampled by the Upgradient Companies, but which was instead sampled by BRC.*

2. Sections 3.1, 3.2 and 4.2, it is not clear why Middle Zone and Deep Zone analyses are not discussed or referenced in any fashion in these Sections. This is a global comment and will not be repeated. In summary, it is not possible for NDEP to accept this Deliverable or concur with BRC's suggestions to delete Middle Zone and Deep Zone monitoring without documentation and discussion.

Response: *Discussion of depth to water measurements and groundwater elevations associated with the Middle and Deep zones has been added to Section 3.1. Given the limited available Middle and Deep zone data, chemical occurrence in these zones is not discussed in the report. It should be noted that the proposed CAMU long-term monitoring program has been revised to include Middle and Deep zone monitoring.*

3. Section 5.1, page 5-2, item 3, NDEP requests that BRC also include cross-sections in the revised Deliverable to address the issue of well H-21R. Also, BRC should review the boring logs and either classify this well as Shallow Zone or Middle Zone, definitively.

Response: *BRC has been unable to locate boring logs or well construction diagrams for well H-21R, which was reportedly installed in the early 1980s. The GMP presents the screened interval as being from 40 to 50 feet bgs, and penetrating the Muddy Creek formation by 9.5 feet (elevation 1688.35 to 1678.35 ft msl). This screened interval is within the range of the screened intervals for other Shallow Zone wells installed in the immediate area, Specifically:*

- AA-BW-04A is screened from 32 to 52 feet bgs, penetrating the Muddy Creek formation by 1 foot (elevation 1697.47 to 1677.47 ft msl; and

- AA-BW-05A is screened from 34 to 64 feet bgs, in the Qal only (elevation 1695.21 to 1665.21 ft msl.

However, the depth to the bottom of H-21R was measured at 66.55' bgs during the last monitoring event, which indicates that either (1) the actual screened depth is greater than 50 feet bgs, or (2) more than 15 feet of blank casing extends below the end of the well screen in the well.

The closest Middle Zone wells in the vicinity of H-21R are MC-MW-30 and MC-MW-31. These wells are located 800 to 1,000 feet topographically downgradient from H-21R and are both screened solely in the UMCf as follows:

- MC-MW-30 is screened from 36.5 to 46.5 feet bgs (elevation 1684.64 to 1679.14 ft msl; and

- MC-MW-31 is screened from 39.5 to 49.5 feet bgs (elevation 1680.47 to 1674.97 ft msl.

No Middle Zone wells have been specifically identified in the immediate H-21R area, and the depth to the Middle Zone at that location is unknown. Based on the stratigraphy noted for the downgradient wells, if H-21R is in fact screened to 66.55' bgs, it is possible that it is screened across both the Shallow and Middle Zones. Without having reliable construction information, BRC cannot make that determination.

A discussion regarding the uncertainty of H-21R construction has been incorporated into the revised report text on page 4-3, along with a cross-section illustrating the stratigraphy and well construction information for the line of wells along the northern edge of the CAMU (Figure 4-1).

4. Section 5.1, page 5-3, it is not clear why this table differs from the Table in Section 5.2. NDEP assumes that the table in Section 5.2 is correct and that these are the wells that are being proposed for inclusion. Please clarify in the revised Deliverable.

Response: *The two sections in question presented proposed monitoring for two different monitoring programs: (1) short –term filling of data gaps resulting from certain wells not having been sampled for four quarters during the baseline monitoring, to complete the baseline monitoring (former Section 5.1); and (2) long-term monitoring of the CAMU to be conducted during the life-time of the CAMU (former Section 5.2).*

Given the current timing (i.e., with the CAMU construction and mass placement of impacted soils already having been completed), NDEP and BRC have agreed (1) to discontinue further

baseline monitoring at the CAMU area, and (2) to initiate long-term monitoring, which will include Middle and Deep Zone wells for the first four semi-annual monitoring events. After two years (four long-term monitoring events), NDEP/BRC will reevaluate whether to remove the Middle and Deep zone wells from the monitoring program. The text has been revised to incorporate these revisions.

5. Section 5.1, general comment, in addition to discussing the wells proposed for inclusion, please discuss the wells proposed for deletion.

Response: *The section in question, which proposed continued baseline monitoring, has been deleted and replaced with the initiation of long-term monitoring.*

6. Section 5.1, general comment, rather than three additional quarters of monitoring, NDEP suggests that four additional bi-annual events be conducted. These events should occur in April and October for the years 2010 and 2011. BRC should then discuss the monitoring program with the NDEP after these events are completed.

Response: *As previously noted, the revised monitoring program includes Middle and Deep zone monitoring in the initial phases, to occur during the first four semi-annual monitoring events (2nd and 4th Quarters 2010 and 2011).*

7. Section 5.2, please reference and create a Figure which shows the locations of the proposed monitoring wells for the program going forward.

Response: *A figure (Figure 5-1) showing the locations of wells proposed for the long-term monitoring program has been added to the report.*

8. Table 2-4, it is not clear if this Table is the Table that is also proposed for analyses going forward. If it is, the analytical method for perchlorate needs to be adjusted per previous NDEP correspondence with BRC. Please clarify.

Response: *It is not BRC's intent to perform the entire suite of SRC analyses listed in Table 2-4. The text has been revised to clarify that only those analyses listed in the section will be performed on samples collected as part of the long-term monitoring program. The analytical method for perchlorate has been revised on Table 2-4 to reflect the current preferred method (EPA 6850).*

9. Table 3-14, NDEP has the following comments:
   a. Laboratory quality checks are not included for the sample(s) collected from well MCF-BW-11A or MC-MW-12. Please include these analyses.

b. The notation "NA" is used, however no footnote is included. Please include a footnote for this notation.
c. Nitrate analytical results are reported for AA-BW-06A, however meq/L are not calculated. Please include the nitrate meq/L calculation for this sample.
d. TDS checks appear to use a combination of one and two significant figures randomly for the sample set. Laboratory results appear to all have three significant figures; please use the appropriate significant figures as per the latest NDEP guidance on laboratory correctness checking. NDEP calculates the measured-to-calculated TDS ratio for the AA-BW-01A sample to be 0.998, resulting in a fail for this check; please qualify this sample as J-TDS. Additionally, the algorithm is not programmed into the spreadsheet for this sample only; please include the correct algorithm for all samples.
e. EC checks appear to use two significant figures. Laboratory results appear to all have three significant figures; please use the appropriate significant figures as per the latest NDEP guidance on laboratory correctness checking. Also, the acceptable range for this EC check is listed correctly in the column heading as 0.55 to 0.70, however the programmed algorithm uses 0.55 to 1; Using three significant figures and the correct range algorithm, NDEP calculates 12 additional samples fail the EC check.
f. Overall, NDEP calculates four additional J-TDS flags and two additional R-CAB&TDS flags for the dataset than BRC reports. Please rectify these discrepancies in Table 3-14 and within the text of the report.

Response: *The table and associated text have been revised in accordance with NDEP's comments.*

Responses to Nevada Division of Environmental Protection (NDEP) Comments, dated November 25, 2009, to CAMU Groundwater Monitoring Report 3rd Quarter 2009 dated November 2009 (received November 12, 2009)

1. Appendix A, response-to-comment 2, as noted below, it appears that BRC has not addressed the issue of obtaining data from the upgradient Companies.

Response: *BRC has recently confirmed that the approved CAMU Groundwater Monitoring Plan (GMP) was based on a proposed (i.e., not final) monitoring plan then in preparation by the upgradient Companies. Based on this draft plan from the Companies, BRC was under the impression that the upgradient Companies would be collecting data in accordance with that plan during the 3rd Quarter of 2009. Because the upgradient monitoring plan had not been finalized at that time, however, the upgradient Companies did not sample the wells included in the CAMU GMP. As a result, 3rd Quarter 2009 data are not available for some of the wells identified in the GMP as being sampled by the upgradient Companies.*

Recognizing this issue, BRC has been in direct communication with the upgradient Companies' consultant directing the monitoring activities for the 4th Quarter 2009 to ensure that all wells specified in the GMP were sampled during the 4th Quarter 2009. It should be noted that certain wells listed in the GMP for sampling by the upgradient Companies have been removed from the upgradient Companies' monitoring program, and BRC undertook sampling of those wells. Therefore, the annual report includes data for all monitoring wells in the GMP, with the exception of well MC80, which cannot be found and is presumed destroyed.

2. Appendix D, the NDEP has the following comments:
   a. These figures should include an appropriate comparison metric such as the USEPA Maximum Contaminant Level (MCL) or the NDEP Basic Comparison Level (BCL).
   b. Some figures do not have data for the older sampling events (e.g.: the April 2005 or the October 2007 events), however, the figures have not been adjusted to correct the x-axis. This obfuscates the presentation of the data that has been collected. Please address this in the next report.
   c. Some figures have wide variances in the range of concentrations. For example, chloroform varies from non-detect to 16,000 ug/l. It is requested that the presentation of this data be modified to make it more usable. For example, the use of log scale or presentation of low range and high range data on separate figures.

Response: *This CAMU monitoring report submittal includes Appendix D concentration trend graphs revised in accordance with NDEP's comments above.*

3. Appendix E, the NDEP has the following comments:
   a. Some figures do not present data from wells which were required to be sampled. For example, Figure E-1, the wells on the southwest side of the CAMU. BRC notes that this data has not been received from the other Companies that collected this data. As noted previously, this is not acceptable.

i. If BRC can not coordinate obtaining this data in a timely fashion, the Groundwater Monitoring Program (GMP) will need to be modified and BRC will be required to collect this data themselves.
ii. In addition, BRC needs to obtain this data immediately and revise the Deliverable.
iii. In addition, since the GMP has not been implemented as designed in the 1st, 2nd or 3rd quarters, NDEP is requesting the GMP be extended for an additional four quarters. If there are modifications to the GMP that BRC believes are appropriate they should be submitted in a revised GMP with the annual report which is expected to be submitted in late December 2009.

Response: *As noted in the response to comment #1, certain data were missing from the 3rd Quarter monitoring report because the upgradient Companies did not collect samples as expected. As such, such data are not available.*

As further noted, the final, approved upgradient Companies' monitoring plan does not include all of the wells assumed in the CAMU GMP. Therefore, BRC has collected data from these wells in the fourth quarterly event. Because the data referenced in this comment do not exist, the 3rd Quarter report was not revised to include it.

As detailed in Section 5 of the annual report, BRC will extend the CAMU monitoring program and collect data for the wells with missing data such that every well in the program (except MC80 as noted above) has a full four quarters of data as specified in the GMP. BRC has reviewed historical data to assess the comparability of chemical occurrence over time for the GMP wells (i.e., regarding well-specific and lateral variability). The results of this assessment have been used to support the proposed approach for extending the GMP into future quarters as presented in Section 5.

b. Figure E-1, based upon the presentation of the data it appears that there is a benzene source on the north side of the CAMU area or the lack of data from the southwest portion of the property is distorting the contours. This is an issue that needs to be addressed immediately.

Response: *BRC has evaluated the potential for a benzene source on the north side of the CAMU, and believes that this appearance of a source is due, in part, to the anomalous results from well H-21R. The addition of data collected from the southwestern portion of the property during the 4th Quarter also presents clearer picture that such a source to the north of the CAMU does not exist.*

Responses to Nevada Division of Environmental Protection (NDEP) Comments, dated October 2, 2009, to CAMU Groundwater Monitoring Report 1st and 2nd Quarters 2009 dated September 2009 (received September 28, 2009)

10. Table 3-14, Cation-Anion Balances (CAB), NDEP has the following comments:
    a. BRC uses the value of 39.0983 for the molecular weight of potassium. As per the updated guidance for CAB checking (August 2009), please use the five-significant-figure value of 39.098.

Response: *As discussed with NDEP during the October 5, 2009 conference call, BRC has utilized the value with 5-significant figures going forward in the CAB analyses. As noted in Comment No.5 (below), this issue has been addressed in the report for the 3rd Quarter 2009 groundwater monitoring event.*

    b. For the charge balance error calculation used to evaluate the AA-BW-09A sample results, a value of 2.48E-06 is used for the molality of carbonate. However, the concentration reported for carbonate is "ND", and the molality should be 0.00E-00.

Response: *Agreed. As noted in Comment No.5 (below), this issue has been addressed in the report for the 3rd Quarter 2009 groundwater monitoring event.*

    c. Several other molality values used for the charge balance error check for the AA-BW-09A sample, use molecular weight values of more than five significant figures; these values should be the same as used for the CAB checks also listed in Table 3-14.

Response: *As noted in response to Comment No.1a, BRC has utilized values with 5-significant figures going forward in the CAB analyses. As noted in Comment No.5 (below), this issue has been addressed in the report for the 3rd Quarter 2009 groundwater monitoring event.*

    d. Using the correct values, NDEP calculated a charge balance error greater than 9%. This sample should be flagged appropriately as J-CAB.

Response: *As discussed with NDEP during the October 5, 2009 conference call, the charge balance error (CBE) calculation includes an adjustment for ion valence. The CBE is correctly calculated (at 0.2%) if the valence values are appropriately utilized in the calculations.*

    e. Please address these issues in the next quarterly report.

Response: *Agreed. As noted in Comment No.5 (below), these issues have been addressed in the report for the 3rd Quarter 2009 groundwater monitoring event.*

11. Response-to-comment (RTC) 5, following the initial comment regarding the lack of reporting of data produced by other Companies, which are specified in the groundwater monitoring plan (GMP), BRC has included water level data produced by the other Companies. However, BRC has not included the associated groundwater sample analytical data. Please

note that future Deliverables will be rejected if they do not include all data specified in the GMP. In addition, the 3rd Quarterly report should include revised contour maps and the existing groundwater level maps from the 1st and 2nd quarters. In addition, the NDEP has not been notified of any issues with obtaining the necessary data for the 4th quarter so it is assumed that the data will be provided.

Response: *BRC will continue to work with the Companies to obtain and report analytical data as specified in the GMP. As noted in the report, BRC contacted the upgradient Companies; however, we were informed that because the upgradient Companies' monitoring programs were not finalized and approved by NDEP prior to the CAMU 3rd Quarter 2009 groundwater monitoring event, they did not collect groundwater samples from these wells during the 3rd Quarter 2009. Subsequent water quality data from these wells will be incorporated in future groundwater monitoring reports.*

Because the CAMU 3rd Quarter 2009 groundwater monitoring event report is specific to data collected during the 3rd Quarter 2009, the revised concentration contour figures for the 1st and 2nd quarters have not been included in this current report. These figures will be revised and included in the annual report for the CAMU groundwater monitoring program.

12. RTC 7, NDEP concurs with the deletion of chlorite analyses.

Response: *Agreed; however, this constituent was analyzed for in the 3rd Quarter 2009 and is included in this report.*

13. RTC 11, NDEP disagrees with BRC's response. NDEP is not aware of any logical transport mechanism that would cause these contours to be disconnected. Please provide the technical justification or connect the contours. For example, please explain the difference between the 20,000 mg/l TDS contours (which are not connected) and the 60,000 ug/l benzene contours (which are connected).

Response: *As noted in Comment No.5 (below), this issue has been addressed in the report for the CAMU 3rd Quarter 2009 groundwater monitoring event.*

14. It is requested that BRC address these comments in the development of the 3rd quarter report, no other response is required.

Response: *Agreed. These issues have been addressed in the report for the CAMU 3rd Quarter 2009 groundwater monitoring event.*

Response to NDEP Comments Received August 25, 2009 on the CAMU Groundwater Monitoring Report, 1st and 2nd Quarters 2009 dated August 2009

1. Section 1.0, page 1-1, BRC states that "The general purpose of the CAMU groundwater monitoring program is to collect four quarters of baseline…" NDEP disagrees that the objective is to collect four quarters of data for baseline purposes. There are additional quarters of data which have been collected historically which may be used for this purpose as well. In addition, it may be possible to collect additional rounds of data beyond the four quarters. In summary, the "four quarters" qualifier is unnecessary.

Response: *The reference to four quarters has been removed from the subject text on page 1-1 of the revised report.*

2. Section 1.1, page 1-1, 3rd bullet, it is the NDEP's understanding that Parcels 5/6 are no longer owned by BRC. Please clarify.

Response: *The subject text has been revised on page 1-1 to reflect the fact that Parcel 5/6 was recently sold to other entities.*

3. Section 1.1, page 1-2, bullets, please note that the Western Ditch, Western Ditch Extension and Slit Trench Area have all been removed as of the date of this report.

Response: *The text beneath the bullets on page 1-2 has been revised to reflect the fact that impacted materials within these features were excavated and removed.*

4. Section 1.1, page 1-2, BRC should also note that the removal of the Western Ditch, Western Ditch Extension and Slit Trench Area has also been completed to minimize potential impacts to groundwater. In addition, other, previously unknown wastes have been excavated and removed. For example the wastes discovered near the northeast and northwest detention basins, as well as the "mystery ditch".

Response: *The text in Section 1.1, page 1-2 has been expanded to include these additional actions taken to minimize potential impacts to groundwater.*

5. Section 2.1, page 2-1, The NDEP has the following comments:
   a. Please note that it is necessary to either coordinate obtaining the data from the upgradient companies or BRC should collect the data themselves.
   b. Please note that 1st and 2nd quarter 2009 water level measurements and DNAPL measurements have been completed by the upgradient companies. The data is available directly from the companies.

c. In addition, the upgradient companies' data collection program has evolved since the development of the BRC Groundwater Monitoring Plan (GMP). It is necessary for BRC to revisit this issue and determine if additional data collection needs are necessary.
d. NDEP understands that the 3rd quarter data collection has already been completed. It is expected that this issue will be resolved prior to implementation of the 4th quarter data collection effort.
e. In the future, BRC should alert NDEP regarding any failures to collect data n accordance with the NDEP-approved GMP. This communication needs to be timely and in writing.

Response: *For future CAMU monitoring reports, BRC will coordinate in advance with upgradient companies to obtain water level and chemical data associated with wells included in the Monitoring Program. This revised report has been modified to include water level measurements performed by the upgradient companies during the 1st and 2nd Quarters of 2009. If BRC experiences problems in obtaining these data in the future, BRC will alert NDEP in writing, in a timely manner.*

The third quarterly monitoring event having already been conducted, prior to the fourth quarter event, BRC will review the upgradient companies' data collection programs to determine whether additional data collection needs exist to meet the objectives of the CAMU GMP.

6. Section 2.3, page 2-3, BRC should note that the upgradient companies have reported false positive DNAPL readings based on the density of the groundwater relating to total dissolved solids (TDS) concentrations. The upgradient companies have also reported fouling of DNAPL probes due to this issue. The upgradient companies have also reported that the high TDS water has been found to be denser than the site-related DNAPLs. It is requested that BRC discuss these matters with the upgradient companies and adjust field protocols, as necessary, to address these site-specific issues.

Response: *As suggested, BRC will discuss these issues with the upgradient companies and adjust field protocols accordingly prior to the 4th Quarter sampling event.*

7. Section 2.7, page 2-6, please discuss with the NDEP the need for the collection of chlorite data. It appears that this analysis may not be necessary.

Response: *BRC agrees that analysis for chlorite is not necessary for this monitoring program, and requests removal of this analyte from the program. As presented in Table 3-10 of the report, there were only limited detections during the First and Second Quarter monitoring events, and the other inorganic constituents included in the program provide adequate information regarding ionic composition.*

8. Section 3.2, page 3-2, there is no apparent explanation for how the analytes selected for presentation were chosen. Please clarify.

Response: *The text of Section 3.2 has been expanded to explain that the analytes presented graphically were selected to provide examples for the main chemical classes of interest at the Site, and that the selected analytes were routinely detected at concentrations in excess of applicable screening levels. The text further clarifies that additional analytes (i.e., beyond those depicted graphically) exceeded screening levels.*

9. Section 3.2, page 3-3, pH values as low as 4.9 in groundwater are unexpected.

Response: *BRC agrees that pH values as low as 4.9 in groundwater are unexpected. The ranges of measured pH values will be evaluated and outliers will be discussed in the report summarizing the results of the four quarters of monitoring.*

10. Table 3-14, please include a column summarizing the data quality flags that result from these data quality checks. For example, Cation-Anion Balance (CAB) results for sample AA-BW-09A are reported to be within acceptable variance. However, the sum of anions (in meq/L) for this sample exceed the criteria range maximum of 800 meq/L. Therefore the CAB check does not apply to this sample. Although there may be value in performing this check for all samples, the results should only be reported for samples within the criteria range limit. An alternative in these cases would be to employ a charge balance error calculation and require a ±5% error limit. There is a chance that there could be an error where the charge balance is zero and cation/anion errors cancel out. BRC should discuss this matter with NDEP prior to implementing.

Response: *Table 3-14 has been updated to reflect NDEP's updated guidance regarding performance of cation-anion balances (August 27, 2009). As clearly outlined in the updated guidance, the CAB check does not apply to sample AA-BW-09A because the anion sum exceeds 800 meq/L. Therefore, the revised table does not include the CAB check results for that sample, but instead includes a charge balance error calculation.*

11. Figure D-10, it is strange that the 20,000 mg/l contours do not connect in a north to south fashion. This contouring issue occurs on several Figures in Appendix D and E. Please clarify this issue.

Response: *Contouring is interpretive; another acceptable contouring approach for the figure that is the subject of this comment would be to connect the 20,000 mg/L contour at the southern CAMU boundary with the 20,000 contour along the northern boundary. The nature of the CAMU monitoring locations around its perimeter complicates interpretations of contouring within the CAMU footprint. Because of the uncertainty in this regard, Figure D-10 has been revised to depict the 20,000 mg/L contours as dashed lines where they are not bounded by nearby data points. The other Appendix D and E figures have been similarly revised, as appropriate.*

REDLINE/STRIKE-OUT TEXT

1.0 INTRODUCTION

Basic Remediation Company (BRC) has prepared this Annual Groundwater Monitoring Report to summarize the data collected during four quarters of monitoring in 2009 at the BRC Corrective Action Management Unit (CAMU) that is currently being constructed at BRC-owned property in Clark County, Nevada, under the oversight of the Nevada Division of Environmental Protection (NDEP). The activities associated with the first three quarters of 2009 are described in the following previous reports:

- *CAMU Groundwater Monitoring Report, 1st and 2nd Quarters 2009 - BRC Corrective Action Management Unit (CAMU) Area*, submitted by BRC and ERM-West, Inc, (ERM) in September 2009 (BRC and ERM 2009a); and

- *CAMU Groundwater Monitoring Report, 3rd Quarter 2009 - BRC Corrective Action Management Unit (CAMU) Area*, submitted by BRC and ERM in November 2009 (BRC and ERM 2009b).

This report describes activities and data collected during the CAMU Area monitoring performed during the fourth quarter of 2009, and summarizes the findings from all four quarters of 2009. This monitoring event was performed in accordance with *Groundwater Monitoring Plan – Corrective Action Management Unit (CAMU) Area* (GMP; Daniel B. Stephens & Associates, Inc. [DBS&A] 2008), which was approved by NDEP on December 17, 2008.

This revision of the report, Revision 1, incorporates comments received from the NDEP, dated February 23, 2010, on Revision 0 of the report, dated February 2010. This report also incorporates comments received from the NDEP on the prior 2009 CAMU monitoring reports. The NDEP comments ~~on these prior reports~~ and BRC's responseresponses to these comments are included in Appendix A. Also included in Appendix A is a redline/strikeout version of the text showing the revisions from the February 2010 version of the report. An electronic version of the entire report, as well as original format files (MS Word and MS Excel) of all text and tables are included in Appendix B.

The general purpose of the CAMU groundwater monitoring program is to collect baseline groundwater data in the CAMU area, against which the potential for impacts to groundwater quality due to CAMU construction can be assessed in the future. This first section summarizes the site conditions and content of the report.

1.1 SITE LOCATION AND DESCRIPTION

The CAMU is located within the boundaries of property owned and operated by BRC, in an area formerly designated as the Clark County Industrial Plant Area (Figure 1-1). The northern boundary is approximately defined by the northern limit of the closed BMI Landfill. The CAMU is bordered by the following former and present industrial facilities of the BMI Industrial Complex:

- To the north and east – by property owned by Tronox (successor to Kerr-McGee Chemical LLC); Olin Chlor Alkali Products (Olin)/Montrose and Tronox operate off-site groundwater extraction, treatment, and re-injection systems to the north and to the east of the CAMU, respectively. The Olin/Montrose system is partially located on BRC property;
- To the south – by the former Pioneer Chlor-Alkali Company, Inc., facility, now owned by Olin; and
- To the west - additional historical BRC property, recently sold to other entities (Parcel 5/6).

Historical features within the CAMU boundaries include the following:

- The closed BMI Landfill;
- The former Borrow Area (Borrow Pit);
- The Western Ditch Area and Western Ditch Extension; and
- The Slit Trench Area (STA).

Chemical manufacturing, storage, handling, distribution, and waste disposal facilities have historically operated south (upgradient) of the CAMU (Figure 1-2). These operations are documented to have resulted in soil and groundwater impacts with volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), dioxins/furans, organic acids, total dissolved solids (TDS), pesticides, perchlorate, and metals. Additional upgradient soil impacts may exist.

Groundwater beneath the CAMU has also been impacted with many of the chemicals detected in upgradient soils and/or groundwater, suggesting that chemicals from upgradient off-site locations have migrated northward and beneath the CAMU Site. However, chemical data associated with

deep CAMU soils and groundwater suggest that there may also be some contribution of chemicals from the CAMU area to groundwater.

To reduce the potential for chemical leachate in the CAMU area to migrate to and impact groundwater, BRC has recently covered and capped buried waste in the north and south landfill lobes, and surface liquids were removed from ditches. With NDEP-approval,[1] impacted materials within and around the Western Ditch, Western Ditch Extension, and Slit Trench Area and other unknown wastes in the area (*i.e.*, within the northeast and northwest detention basins and an additional previously unknown ditch) were also excavated and removed to minimize potential impacts to groundwater quality.

The CAMU Conceptual Site Model (CSM) report prepared in 2007 presents detailed information regarding historical site operations, the results of prior investigations, and site impacts (BRC and DBS&A 2007).

1.2 SITE HYDROGEOLOGY

The CAMU is located on alluvial fan sediments, with a surface that slopes to the north-northeast at a gradient of approximately 0.02 foot per foot (ft/ft) towards the Las Vegas Wash. Regional drainage is generally to the east.

The uppermost strata beneath the CAMU consist of alluvial sands and gravels derived primarily from the volcanic source rocks in the McCullough Range, located to the southwest of the CAMU. These uppermost alluvial sediments were deposited within the last two million years and are of Quaternary age, and are thus mapped and referred to as the Quaternary alluvium (Qal; Carlsen *et al*. 1991). The Qal is typically on the order of 30 to 70 feet thick at the Site with variations due, in part, to the non-uniform contact between the Qal and the underlying Upper Muddy Creek Formation (UMCf). As described in the GMP (DBS&A 2008), three erosional paleochannels (two major channels and one minor channel) are interpreted as being incised into the UMCf surface in the CAMU area, and increase the local Qal thickness accordingly.

The UMCf underlies the Qal. The Muddy Creek formation, of which the UMCf is the uppermost part, is a lacustrine deposition from the Tertiary Age, and it underlies much of the Las Vegas

[1] Documents describing the approved excavation and disposal operations include: *Corrective Action Plan* dated September 2006 (approved by NDEP September 25, 2006), *Record of Decision – Remediation of Soil in the Slit Trench Area of the BMI Common Areas* (NDEP issuance September 17, 2007), and *Permit for Hazardous Remediation Waste Management Activity* (issued by NDEP September 24, 2007).

Valley. It is more than 2,000 feet thick in places. The lithology of the UMCf underlying the CAMU is typically fine-grained (sandy silt and clayey silt), although layers with increased sand content are sporadically encountered. These UMCf materials have typically low permeability, with hydraulic conductivities on the order of 10^{-6} to 10^{-8} centimeters per second (Weston 1993). The UMCf in the CAMU area was encountered at depths ranging from 30 feet to 70 ft below ground surface (bgs), and extending to the maximum explored depth of 200 feet bgs.

Two distinct, laterally continuous water-bearing zones are present within the upper 400 feet of the Site subsurface:

(1) An upper, unconfined water-bearing zone (referred to as the Shallow Zone[2]). The Shallow Zone is typically encountered within the Qal at the CAMU; however, this zone is first encountered within the uppermost UMCf in the eastern portion of the CAMU area. The water surface in the Shallow Zone generally follows topography, with the water surface sloping towards the Las Vegas Wash.

(2) A deep, confined water-bearing zone that occurs in a sandier depth interval within the silts of the deeper UMCf (referred to as the Deep Zone).

Between these two distinct water-bearing zones, a series of saturated sand stringers were sporadically and unpredictably encountered during drilling (referred to as the Middle Zone).

As presented in the GMP, structure contours of the UMCf contact have delineated two relatively major paleochannels (one west of the CAMU and one traversing the center of the CAMU) and one relatively minor paleochannel near the northeast corner of the CAMU (Figure 1-2). Although preferred groundwater flow and chemical transport might be expected to be associated with these paleochannels, the GMP concluded that the Shallow Zone groundwater flow pattern for the area did not indicate that these paleochannels affected groundwater flow near the CAMU. However, the GMP indicated that regional isoconcentration contour maps for various Site~~site~~-related chemicals~~compounds~~ suggested that off-site sources are impacting the CAMU area from the south in a northerly flow direction consistent with the direction of the paleochannel thalweg (DBS&A 2008).

[2] Note: hydrogeologic and lithologic nomenclature is based on NDEP (2009a).

According to previous groundwater monitoring, the depth from the surface to first groundwater at the Site is approximately 30 to 50 feet bgs. Wells completed in the Shallow Zone are not highly productive, with sustainable flows typically less than five gallons per minute.

1.3 REPORT CONTENT AND ORGANIZATION

This report provides tabulated and graphical presentations of groundwater data collected during the 4th Quarter 2009 groundwater monitoring event conducted in the CAMU Area. In addition, in this annual report, interpretation of all the 2009 results is also provided. Following this introductory section, this report includes the following:

- Section 2 describes the activities during the 4th Quarter 2009 groundwater monitoring event, including inspection and depth to water measurements, sample collection, equipment decontamination, management of investigation-derived waste, the analytical procedures, and data review and validation procedures;
- Section 3 presents the results of the 4th Quarter 2009 groundwater monitoring event, including groundwater depth and flow direction and chemical detections;
- Section 4 provides an interpretation of potentiometric and chemical occurrence trends over time, based on the results from the four quarters of monitoring;
- Section 5 presents recommendations for future monitoring events, associated with (1) filling data gaps associated with the baseline monitoring program; and (2) long-term monitoring to assess whether CAMU operations are impacting groundwater quality.
- Section 6 provides a list of references used in the preparation of this report.

Figures and tables summarizing the monitoring well details, scope, and findings of the monitoring event follow the main text. Appendix B provides the historical project database for the CAMU monitoring program and an electronic version of this report (on CD). Hydrographs and concentration trend graphs (selected constituents) for all the CAMU monitoring wells are presented in Appendices C and D, respectively. In addition, Appendix E provides figures depicting occurrence patterns for selected constituents across the CAMU area for all four 2009 groundwater monitoring events.

2.0 GROUNDWATER MONITORING PROGRAM

Groundwater monitoring and sampling procedures were performed as specified in the GMP (DBS&A 2008), and in accordance with associated project-specific *Field Sampling and Standard Operating Procedures* (FSSOP; BRC, ERM and MWH 2009) and the *BRC Quality Assurance Project Plan* (QAPP; BRC and ERM 2009c).

The following sections briefly describe the field procedures and analytical program implemented by BRC contractors during field activities associated with the CAMU 4th Quarter 2009 groundwater monitoring event.

2.1 CAMU MONITORING WELL NETWORK

As specified in the GMP (DBS&A 2008), 29 wells are included in the monitoring program for the CAMU area, as summarized in Table 2-1 and depicted on Figure 2-1. Construction details for these CAMU Area wells are provided in Table 2-2. As seen in Tables 2-1 and 2-2, the majority of the wells (20) are screening in the Shallow Zone. In addition to those Shallow Zone wells, five wells in the monitoring program are screened in the Middle Zone, and four wells are screened in the Deep Zone.

Table 2-3 identifies the monitoring activities that are associated with each well underin the GMP.program. For fifteen of these CAMU Area wells (all Shallow Zone), per the GMP, quarterly monitoring was is to be performed by BRC. For the remaining fourteen wells (a combination of Shallow, Middle, and Deep zone wells), data collected by upgradient Companies as part of separate on-going monitoring programs wereis to be used to augment BRC's CAMU area data. It should be noted that three wells listed in the GMP as proposed wells were installed in June 2009 (MC--MW-31, MC-MW-30, and DMC-MW-28, respectively). Construction details for these wells are provided in Table 2-2. Water level data were collected during the 4th Quarter 2009 groundwater monitoring event for all wells specified in the GMP, except MC80, which could not be located and is presumed destroyed.

According to the GMP, the following wells were to be sampled by Companies other than BRC:

- Shallow: AA-BW-08AMC80, AA-BW-12A, AA-MW-07, EC-2, and MCF-BW-11A;
- Middle: MC-MW-10, MC-MW-11, MC-MW-12, MC-MW-31, and MC-MW-30; and
- Deep: MW-8, DMC-MW-28, TR-11, and TR-12.

HoweverOf these, the finalized upgradient Companies' monitoring programs did not include several of the wells specified in the GMP for sampling by the Companies. Therefore the following three wells: AA-BW-12A, MCF-BW-11A, and MC-MW-12; therefore, during the 4th Quarter 2009 groundwater monitoring event, as noted in Table 2-3, BRC collected samples from the following those three wells for analysis:

- AA-BW-08A
- AA-BW-12A
- AA-MW-07
- EC-2
- M7B[3]
- MCF-BW-11A
- MC-MW-12

. The upgradient Companies provided water level data and chemical data to BRC for the other wells listed above, with the exception of MC80, which could not be located and is presumed destroyed.

2.2 FIELD MEASUREMENTS

Field measurements, including depth to water, thickness of free product, and depth of well, were performed in accordance with procedures described in the project specific Standard Operating Procedure (SOP) (SOP-5 - Water Sampling and Field Measurements).

During the CAMU 4th Quarter 2009 groundwater monitoring event, water level measurements and groundwater samples were collected by BRC between October 20, 2009, and November 17, 2009. In addition, the upgradient Companies collected water level measurements between October 12, 2009, and October 14, 2009. Equipment used and the various observations and measurements collected during well purging activities for the CAMU 4th Quarter 2009 groundwater monitoring event were recorded by the BRC field crew on Monitoring Well Low-Flow Purge/Sampling Forms, copies of which are provided in Appendix C for the wells monitored by BRC.

Water level measurements provide a measure of water potential (hydraulic head) at specific geographic locations and depths beneath the CAMU. The primary purpose for measuring CAMU area water levels in the monitoring wells is to determine horizontal groundwater flow directions

[3] As specified in the GMP, BRC and the Upgradient Companies are both to sample this well, for analysis for different parameters. Because the Upgradient Companies did not sample this well, BRC ran analyses for all required parameters.

and gradients. These measurements were converted to elevations relative to a standard datum (*i.e.*, mean sea level, which is used for the Site) and posted on a map, and were contoured to prepare potentiometric surface maps, which indicate the direction of groundwater flow. Horizontal gradients are calculated as the difference in groundwater elevations between wells screened in the same monitoring zone divided by the horizontal distance between the wells. The horizontal gradients indicate the horizontal direction of groundwater flow, from higher to lower elevations. The results of the water level measurements collected during the CAMU 4th Quarter 2009 groundwater monitoring event are discussed in Section 3.1.

2.3 SAMPLE COLLECTION

BRC and upgradient Companies contractors used the micro-purge and sampling methodology for the CAMU 4th Quarter 2009 groundwater monitoring event, as established and implemented during quarterly monitoring events at the BMI Common Areas (Eastside) Site.

Most of the BRC-owned wells sampled during the monitoring event were equipped with QED® Well Wizard (A-system) dedicated bladder pumps for the monitoring and sampling of wells at the Site. QED® MP10H high pressure micro-purge controllers were used during the event. The Well Wizard A-system was installed in all Shallow Zone wells due to their relative shallow well design (less than 100 feet deep). Generally, pump (sample) intakes were installed approximately 1 to 3 feet from the bottom of the wells. Six non-BRC wells and BRC-owned well MCF-BW-08 were monitored and sampled using a QED® brand SamplePro portable bladder pump system. The portable pump (sample) intakes were generally placed near the bottom of the screen interval for groundwater monitoring and sampling collection. Well purging details and sampling summary data are presented in Appendix C.

During a prior sampling event, dense non-aqueous phase liquid (DNAPL) was observed in well AA-BW-08B. Evidence of DNAPL was not observed in this or any of the other wells monitored during the CAMU 4th Quarter 2009 groundwater monitoring event. It should be noted that the upgradient Companies have reported false positive DNAPL readings based on the density of the groundwater relating to TDS concentrations. The upgradient Companies have also reported fouling of DNAPL probes due to this issue. The upgradient Companies have also reported that the high TDS water has been found to be denser than the site-related DNAPLs. BRC has discussed these issues with the upgradient Companies and has modified the field protocols to address these site-specific issues.

Sampling and field measurement procedures were performed in accordance with the standard sampling and documentation procedures developed for performing water level measurements and monitoring well sampling, well maintenance, general field operations, and instrument calibration, as presented in the GMP and the BRC FSSOP (BRC, ERM and MWH 2009). Adherence to these procedures promotes consistency in field procedures and comparability of data collected over time.

Field quality control (QC) measures implemented during the 4th Quarter 2009 groundwater monitoring event were performed according to BRC QAPP requirements and BRC FSSOP. The QC sample frequencies and field QC measures included:

- Collection of field duplicates, at a frequency corresponding to approximately 10 percent of the samples (two samples per event); field duplicates were collected from wells AA-BW-04A and AA-BW-05A during the CAMU 4th Quarter 2009 groundwater monitoring event;
- Collection of equipment blanks, at a frequency corresponding to approximately 10 percent of the samples collected using non-dedicated or non-disposable equipment (1 sample per event);
- Procurement and use of trip blanks, at a frequency of one per shipping container containing samples for VOC analysis;
- Providing accurate, detailed field documentation; and
- Proper sample packaging and shipment under chain of custody (COC) procedures.

2.4 DECONTAMINATION PROCEDURES

Equipment decontamination was performed to minimize the potential for cross contamination between wells or investigation and sampling locations. Decontamination procedures were used for all non-dedicated, non-disposable equipment. BRC SOPs were followed to ensure proper decontamination of sampling equipment.

Decontamination equipment was prepared at each well location for cleaning sampling equipment. Supplies included five-gallon buckets, bottle brushes, potable water, distilled water, and non-phosphate cleaning solution (Liquinox™/Alconox™).

Prior to and after use at each location, all groundwater sampling equipment was washed in a non-phosphate cleaning solution, rinsed with potable water, and then rinsed twice with distilled water.

Submersible pumps and downhole equipment were cleaned prior to and after use at each location during groundwater sampling activities as described above. Decontamination water was transferred into secured and properly labeled Department of Transportation-approved 55-gallon steel drums located on-site at a centralized collection area.

2.5 MANAGEMENT OF INVESTIGATION-DERIVED WASTE

During the CAMU 4th Quarter 2009 groundwater monitoring event, all purge and decontamination water resulting from groundwater sampling was temporarily contained on-site in 55-gallon drums. All drums were labeled by field personnel to identify contents, date, and source location. BRC has subsequently disposed of these sampling wastes. Information of this disposal has been provided separately to the NDEP.

2.6 ANALYTICAL PROGRAM

Analytical procedures for the CAMU 4th Quarter 2009 groundwater monitoring event were implemented according to the BRC QAPP. The list of chemicals and analytical methods for the CAMU monitoring events is provided in Table 2-4. The QAPP specifies the project-specific detection and quantitation limits, calibration and calibration verification, and QC procedures and specifications. The QAPP also requires that analyses be performed according to the method-specific SOPs, which have also been revised to be site specific stand-alone documents. Analytical laboratories performing analyses for the Site have Nevada State certification for the methods performed.

The following sections summarize the groundwater analytical program conducted for the 2009 CAMU groundwater monitoring events. Additional detail about the analytical program is provided in the GMP (DBS&A 2008). Analytical methods used during the program were selected based on data requirements for investigating Comprehensive Environmental Response, Compensation, and Liability Act sites and for conducting human health and ecological risk assessment, and to provide data to evaluate impacts to groundwater and surface water quality. The analytical methods used are primarily referenced U.S. Environmental Protection Agency (USEPA)-approved testing procedures. The sampling team followed method-prescribed requirements for sample containers, preservation, and holding times, as summarized in

Table 2-5. Samples were packaged and shipped with proper COC documentation to the analytical laboratories as described in the BRC FSSOP and QAPP.

Groundwater samples from 26 monitoring wells were analyzed for a broad spectrum of chemical analytes and chemical classes during the CAMU 4th Quarter 2009 groundwater monitoring event. The samples were analyzed for general chemistry parameters, cations/anions, total metals, hexavalent chromium, perchlorate, radionuclides, VOCs, SVOCs, organochlorine pesticides, PCBs, dioxins/furans, methyl mercury, and white phosphorus. Analyses were performed as specified in the GMP for the wells sampled by BRC, with the following exceptions:

- Analyses for dioxins/furans and PCBs (with congeners) were performed for samples collected from wells AA-BW-01A, -02A, -03A, and -07A, despite their not being specified in the GMP for these four wells;
- The upgradient Companies collected a sample from well H-21R for VOC analysis; BRC collected samples for the remaining analyses specified in the GMP.

Analytical results are described in Section 3.2.

2.7 ANALYTICAL LABORATORIES

The following Nevada-certified laboratories were utilized during the CAMU 4th Quarter 2009 groundwater monitoring event:

Laboratory Name	Location	Analyses Performed
TestAmerica Laboratories (TA St. Louis)	Earth City, Missouri	Alkalinity, Anions, Ion Balance, TDS, Metals/Hardness, Organo-chlorine Pesticides, VOCs
TestAmerica Laboratories (TA West Sacramento)	West Sacramento, California	PCBs, Dioxins/Furans
TestAmerica Laboratories (TA Irvine)	Irvine, California	Chlorite
General Engineering Laboratories (GEL)	Charleston, South Carolina	Perchlorate, SVOCs, PAHs, Radionuclides, Radon
Advanced Technology Laboratories (ATL)	Las Vegas, Nevada	Hexavalent Chromium

Brooks Rand Labs	Seattle, Washington	Methyl Mercury
ALS Laboratory Group (formerly DataChem Laboratories)	Salt Lake City, Utah	White Phosphorus

2.8 QUALITY ASSURANCE/QUALITY CONTROL

Measurement data were consistently assessed and documented to determine whether objectives were met. The review assesses data quality and identifies potential limitations on data use. The data quality review process provides information on overall method performance and data usability. Section A7 of the BRC QAPP defines the basis for assessing the elements of data quality. Laboratory data and data quality review reporting procedures and formats are also addressed in Section A7 of the BRC QAPP.

Quality assurance (QA) activities include performing technical systems audits, performance audits, and data validation at the frequency recommended in the BRC QAPP. Field audits are not required, but may be performed in the event significant discrepancies are identified that warrant evaluation of field practices. No field audits were performed during the CAMU 4th Quarter 2009 groundwater monitoring event.

As discussed in Section 2.3, various types of QC samples were collected to aid in evaluating the analytical data quality, including field duplicate groundwater samples and equipment blank samples, which were analyzed for the broad suite of analytes included in the CAMU monitoring program. In addition, trip blanks were prepared by the laboratory and were included in each groundwater sample shipment containing VOCs, for analysis of VOCs.

2.9 DATA REVIEW AND VALIDATION

The data generated during the CAMU 4th Quarter 2009 groundwater monitoring event were subjected to a data review in accordance with the QAPP, SOP-40 (*Data Review/Validation*; FSSOP), USEPA National Functional Guidelines (USEPA, 1999, 2001, 2004, 2005, and 2008), and the NDEP *Supplemental Guidance on Data Validation* (NDEP 2009b,c), *Additional Guidance on Completion of Quality Checks for Cation-Anion Balance* (NDEP 2007), and *Cation-Anion Balance – Updated Guidance* (NDEP 2009d). These guidance documents provided direction for the data review and validation activities conducted for data collected during these events.

All of the data were subjected to a Stage 2B review. Stage 2B data validation consisted of a manual review of all parameters related to sample analysis, including holding times, instrument

performance check (as applicable), initial calibration, continuing calibration, blank contamination, laboratory control sample (LCS), matrix spike/matrix spike duplicate (MS/MSD), surrogates and internal standards (as applicable), and compound identification. In addition to the Stage 2B review, 20 percent of all data collected during the course of the investigation were subject to full Stage 4 data validation. Stage 4 data validation consisted of review of all parameters reviewed as part of the Stage 2B review with additional review of the raw data including chromatograms, log books, quantitation reports, and spectra. Data validation qualifiers and reason codes used during this process are summarized in Table 2-6. Laboratory Data Consultants (LDC) was subcontracted to conduct all the data validation. A Data Validation Summary Report (DVSR) for all data collected during the CAMU 4th Quarter 2009 groundwater monitoring event (DVSR 55d) has been prepared and submitted separately as a stand-alone report by BRC and ERM (2009d). DVSR 55d was approved by the NDEP on January 30, 2010.

Subsequent to the data validation, ERM observed anomalously elevated perchlorate detections for the 4th Quarter 2009 groundwater monitoring event for certain wells (*e.g.*, AA-BW-04A, AA-BW-05A, H-21R, and H-28). Perchlorate detections reported for these four wells during the 4th Quarter 2009 groundwater monitoring event ranged from 1,810 µg/L to 12,900 µg/L, whereas prior events had consistently reported non-detections. BRC initiated investigation of potential analytical explanations for these anomalous detections. The laboratory re-ran the samples and while the results were confirmed, it was more apparent that there were matrix interferences in these samples. The laboratory indicated that the identified peak reported as perchlorate in the analytical report does not appear to be perchlorate. BRC has requested that the laboratory revise the analytical reports accordingly, however, revised laboratory reports were not available at the time of this report submittal. Furthermore, while researching the anomalous perchlorate detections, BRC determined that the cation/anion balances conducted by the TestAmerica for the 4th Quarter 2009 groundwater monitoring event were not representative of site conditions because they incorporated only those cations/anions that were part of the analytical suite that TestAmerica had been asked to analyze (and included additional cations boron and silica while excluding the anions nitrate, fluoride and perchlorate listed in NDEP's guidance). Upon performing a revised cation/anion balance (see Section 3.2); BRC determined that several of the perchlorate detections should be rejected due to issues with balances falling outside the acceptable ranges of results.

Based on the evaluation of the datasets, the majority of the data obtained during the monitoring event are valid (that is, not rejected) and acceptable for their intended use (99.17 percent of the CAMU 4th Quarter 2009 groundwater monitoring event data). All analyses were performed as

requested on the COC. No assumptions of data quality were made based on information that was not provided. Some data were qualified based on the data review. All data results qualified with 'J', 'U', or 'UJ' are considered valid and acceptable for their intended use. All data results qualified with 'R' are considered invalid and are rejected for use.

3.0 GROUNDWATER MONITORING RESULTS

General groundwater conditions and analytical results for the CAMU 4th Quarter 2009 groundwater monitoring event are summarized in this section. The monitoring wells included in these monitoring events are presented on Figure 2-1.

3.1 GROUNDWATER CONDITIONS

This section describes the general groundwater conditions at the Site during the CAMU 4th Quarter 2009 groundwater monitoring event including depth to groundwater, groundwater gradient, and groundwater flow direction.

3.1.1 Depth to Groundwater

Groundwater level measurements were collected from 28 wells across the Site during the CAMU 4th Quarter 2009 groundwater monitoring event. During the CAMU 4th Quarter 2009 groundwater monitoring event, excluding the artesian wells, depth to groundwater measurements ranged from 26.82 below top of casing (btoc; well MC-MW-30) to 57.97 feet btoc (well MC-MW-11). The highest groundwater elevation during the CAMU 4th Quarter 2009 groundwater monitoring event was 1803.63 feet above mean sea level (amsl) in artesian well MW-8. The lowest groundwater elevation during the CAMU 4th Quarter 2009 groundwater monitoring event was 1687.69 feet amsl in well MC-MW-31. Well-specific measured depths to water and calculated groundwater elevations for the CAMU 4th Quarter 2009 groundwater monitoring event are presented in Groundwater Elevation Data Table 3-1. These groundwater level data are summarized below for each water-bearing zone.

Zone	Range of Depth to Water Measurements (feet btoc)	Range of Groundwater Elevations (feet amsl)
Shallow	31.97 (H-21R) to 55.94 (EC-2)	1693.24 (AA-BW-04A) to 1730.35 (MCF-BW-11A)
Middle	26.82 (MC-MW-30) to 56.97 (MC-MW-11)	1687.69 (MC-MW-31) to 1758.71 (MC-MW-12)
Deep	All artesian	1725.87 (TR-12) to 1803.63 (MW-8)

btoc – below top of casing

amsl – above mean sea level

Based on this summary, the depth to water, and groundwater elevations for all three zones are highest in wells located upgradient of the CAMU and lowest in wells located downgradient. The Shallow Zone measurements are posted and contoured on Figure 3-1. Well hydrographs summarizing all available water level data for the CAMU wells are presented in Appendix C.

3.1.2 Groundwater Flow Direction

As illustrated on Figure 3-1, the general groundwater flow direction beneath the Site in the Shallow Zone during the CAMU 4th Quarter 2009 groundwater monitoring event varies from the northeast to the northwest, at an average gradient of 0.013 feet per foot to 0.017 feet per foot. Groundwater flow directions for the other two water-bearing zones are consistent with the Shallow zone flow direction.

3.2 ANALYTICAL RESULTS

Groundwater analytical results are presented in this section for the CAMU 4th Quarter 2009 groundwater monitoring event performed at the Site. Data validation for the data set was completed by ERM personnel and LDC as discussed in Section 2.9. Summaries of Shallow Zone groundwater analytical results from the four CAMU 2009 groundwater monitoring events are presented in Tables 3-2a through 3-2d. Groundwater analytical results for the CAMU 4th Quarter 2009 groundwater monitoring event and prior historical sampling events are presented by individual chemical class in Tables 3-3 through 3-14 (wells from all zones included).

Table 3-2d summarizes the Shallow Zone data collected during the CAMU 4th Quarter 2009 groundwater monitoring event; the table presents the compound-specific number of detections, ranges of reporting limits, ranges of concentrations, number of detections exceeding USEPA maximum contaminant level (MCLs) and NDEP Basic Comparison Levels (BCLs: NDEP 2009e). Tables 3-2a, 3-2b, and 3-2c present similar information for the prior three quarters of monitoring. In addition, a small number of constituents representing the main chemical classes of interest in the CAMU area were selected for graphic presentation of historical trends in concentrations and chemical occurrence within the Shallow Zone. Specifically, graphical presentations are provided for the following:

Compound Class	Example Analyte Presented Graphically
Metals	Arsenic
Organochlorine Pesticides	alpha-BHC

Compound Class	Example Analyte Presented Graphically
VOCs	Benzene Chlorobenzene Chloroform 1,4-Dichlorobenzene Tetrachloroethene (PCE)
SVOCs	Pentachlorophenol
Radionuclides	Radium-226/228 (sum) Radon-222
General Chemistry	Perchlorate
General Water Quality	TDS

Concentration trend graphs for these constituents are presented in Appendix D. Contoured chemical occurrence maps for these constituents are presented in Appendix E for the 4th Quarter Shallow Zone data; for ease of reference, contoured chemical occurrence maps are provided side-by-side with the other three 2009 CAMU groundwater monitoring events.[4] These twelve analytes were generally selected because they were routinely detected at concentrations in excess of applicable screening levels in the Shallow Zone during historical monitoring events (see Table 3-2d for screening level exceedances associated with the CAMU 4th Quarter 2009 groundwater monitoring event). As seen in Table 3-2d, additional analytes (*i.e.*, beyond those depicted graphically) exceeded screening levels during the CAMU 4th Quarter 2009 groundwater monitoring event.

As part of the data review process, BRC in conjunction with the project laboratory performed tests for cation-anion balances, TDS checks, and TDS and electrical conductivity checks for data generated during the CAMU 4th Quarter 2009 groundwater monitoring event. The results of this evaluation are presented in Table 3-14. In the water samples collected and analyzed for the CAMU 4th Quarter 2009 groundwater monitoring event, sample pH ranged from 5.68 to 8.25. Due to the reported pH range of results, alkalinity was composed nearly entirely of bicarbonate, therefore the bicarbonate results were used in the balance calculation rather than the hydroxide results.

In conducting the cation-anion balance for the CAMU 4th Quarter 2009 groundwater monitoring event, the variance between the cation and anion sum (as represented by the difference between the cation and anion sum, divided by the total ion sum, expressed as a percentage) ranged between 1.14 and 9.21 2 percent. EighteenFifteen primary and two field duplicate samples were

[4] It should be noted that in response to NDEP comments, selected contour maps from the earlier 2009 monitoring events have been revised since their presentation in the earlier reports.

used in the cation-anion balance calculations. Sample AA-BW-09A was not subjected to cation-anion balance calculations because the anion sum was greater than 800 meq/L; a charge balance error check was instead performed for this sample, per NDEP (2009d) guidance.

Based on these data, as presented in Table 3-14, 1211 of 2017 cation-anion balances were within acceptable range of 5 percent. The samples with variances outside the acceptable range were associated with wells AA-BW-04A (and field duplicate), AA-BW-05A (and field duplicate), AA-BW-06A, H-21R, M7B, and MC-MW-12.M7B. TDS laboratory/sum ratio checks were within acceptable result ratios of 1.0 – 1.2 in only sevensix of the 2018 samples. It should be noted that the balance results may be influenced by elevated sample results, and estimated laboratory results due to matrix interference and laboratory dilution requirements. TDS and electrical conductivity checks were within acceptable ratios of 0.55 – 0.071.0 in seven17 of the 2018 samples. This test may also be influenced by elevated sample results, and estimated laboratory results due to matrix interference and laboratory dilution requirements. As noted above, a charge balance error check was performed for sample AA-BW-09A. As presented in Table 3-14, the charge balance error check was within the acceptable range of 5 percent. All these evaluations were done using NDEP's most recent *Cation-Anion Balance – Updated Guidance* (NDEP 2009d) as amended by more recent communication with NDEP regarding the cation-anion balances presented in the *CAMU Groundwater Monitoring Report 1st and 2nd Quarters 2009* (BRC and ERM 2009a; see Appendix A).

4.0 SUMMARY OF GROUNDWATER FLOW AND CHEMICAL OCCURRENCE PATTERNS OVER TIME

This section summarizes the results of the CAMU monitoring events conducted during 2009 to establish baseline conditions in the area. As discussed below, the water level and chemical data are relatively consistent between the four events. Based on this observation, BRC has concluded that the monitoring results are likely representative of baseline conditions, and can be used for future monitoring events, with upgradient samples, to assess whether CAMU operations are impacting groundwater quality.

4.1 GROUNDWATER FLOW PATTERNS

Interpreted contoured potentiometric surface maps for the Shallow Zone based on water levels measured during the four quarters of 2009 are presented on Figure 3-1. As seen in that figure, the groundwater flow patterns are consistent for all four periods, depicting a northeast to northwest average gradient of 0.013 feet per foot to 0.017 feet per foot. The interpreted contours deflect in the immediate vicinity of the inferred location of the central paleochannel, with a flow direction along the paleochannel thalweg. Similarly, the interpreted flow directions in the immediate vicinities of the western paleochannel and the minor paleochannel to the northeast also parallel the thalweg for each paleochannel, respectively. Based on this observation, it appears that the presence of the paleochannels has an effect on groundwater flow patterns.

4.2 CHEMICAL OCCURRENCE PATTERNS

Chemical detections in CAMU area wells for the 2009 monitoring period are summarized in Tables 3-2a-d, for each quarter, respectively) and Tables 3-3 through 3-13 for individual chemical classes. Chemical occurrence patterns for the chemicals detected in Shallow Zone groundwater from the CAMU monitoring wells are discussed below for each compound class.[5] For data evaluation purposes, the detections were compared to the following, where established:

- USEPA MCLs; and
- The NDEP residential water BCL (BCL_W).

[5] Given the limited available Middle and Deep Zone chemical data, chemical occurrence in these zones is not presented in this report. The data for these two zones are presented in the data tables (Tables 3-3 through 3-13).

4.2.1 Volatile Organic Compounds

As seen in Tables 3-2a-d and Table 3-3, VOCs were detected in all of the Shallow Zone wells. The most commonly detected VOCs (those detected in more than 50 percent of the samples) in Shallow Zone wells were as follows:

Chemical Name	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location of Highest Concentration
1,1-Dichloroethane	100%	100%	88%	79%	AA-BW-01A
1,1-Dichloroethene	59%	56%	6%	42%	H-21R
1,1,2-Trichloroethane	41%	56%	13%	32%	AA-BW-04A
1,2,3-Trichlorobenzene	71%	81%	38%	37%	EC-2
1,2,4- Trichlorobenzene	65%	81%	50%	68%	AA-BW-08A
1,2- Dichlorobenzene	94%	100%	88%	95%	AA-BW-08A
1,2-Dichloroethane	82%	94%	75%	79%	AA-MW-07
1,3,5-Trichlorobenzene	53%	44%	13%	33%	AA-BW-01A
1,3-Dichlorobenzene	76%	81%	50%	56%	AA-BW-08A
1,4-Dichlorobenzene	100%	94%	88%	89%	AA-BW-08A
2-Chlorotoluene	65%	63%	6%	26%	AA-BW-08A
4-Chlorotoluene	59%	63%	6%	26%	AA-BW-08A
Acetone	6%	64%	0%	6%	AA-BW-09A
Benzene	88%	94%	94%	95%	AA-BW-04A
Chlorobenzene	94%	100%	100%	89%	AA-BW-04A
Chloroethane	53%	25%	13%	47%	H-21R
Chloroform	65%	81%	81%	74%	AA-MW-07
Chloromethane	35%	75%	0%	11%	AA-MW-07
Dichloromethane	76%	50%	13%	26%	AA-MW-07
Tetrachloroethene	82%	63%	75%	68%	AA-BW-04A
Toluene	82%	69%	0%	42%	AA-BW-04A
Trichloroethene	82%	88%	50%	58%	H-43
Vinyl chloride	59%	31%	6%	37%	AA-BW-01A
o-Xylene	24%	50%	0%	21%	AA-BW-08A

As seen above and in the chemical occurrence maps presented in Appendix E for selected VOCs (*i.e.*, benzene, chlorobenzene, chloroform, 1,4-dichlorobenzene, and PCE; Figures E-1 through E-5), the highest VOC detections are generally associated with the following wells:

- AA-BW-08A, AA-BW-09A, and EC-2, located at the upgradient CAMU edge in the vicinity of the central paleochannel (AA-BW-09A and EC-2 along the presumed eastern and western edges, respectively);
- AA-BW-04A and H-21R, located at the downgradient CAMU edge, in the vicinity of the central paleochannel (AA-BW-04A on the presumed eastern edge of the central paleochannel near the northeastern paleochannel); and
- AA-MW-07 and AA-BW-01A, located in the southeastern (upgradient) corner of the CAMU.

In general, the wells in the eastern half of the CAMU area have appreciably higher VOC detections than those collected from the western side of the CAMU. It should be noted that for many VOCs, results from well H-21R are anomalous as compared to nearby wells AA-BW-05A and H-43. Specifically, benzene and chlorobenzene are anomalously high in H-21R and 1,4-dichlorobenzene is anomalously low. One possible explanation is that H-21R is screened at intervals deeper in the UMCf (possibly by more than 25 feet) than the other two wells, which are reportedly screened only in the Qal (Table 2-2).[6] An east-west trending cross-section along the northern (downgradient) boundary of the CAMU (Figure 4-1) illustrates this relationship. Well); well H-21R may therefore be more representative of Middle Zone conditions than those of the Shallow Zone. As seen in Table 3-3, VOC detections in the upgradient Middle Zone (as represented by well MC-MW-12) are higher than in any of the Shallow Zone wells.

[6] BRC has been unable to locate boring logs or well construction diagrams for well H-21R, which was reportedly installed in the early 1980s. The GMP presents the screened interval as being from 40 to 50 feet bgs, and penetrating the Muddy Creek formation by 9.5 feet. However, the depth to the bottom of H-21R was measured at 66.55' bgs during the last monitoring event, which indicates that either (1) the actual screened depth is greater than 50 feet bgs, or (2) more than 15 feet of blank casing extends below the end of the well screen in the well. Based on the stratigraphy noted for downgradient Middle Zone wells, if H-21R is in fact screened to 66.55' bgs, it is possible that it is screened across both the Shallow and Middle Zones. Without having reliable construction information, BRC cannot make that determination.

4.2.2 Semi-Volatile Organic Compounds

As seen in Tables 3-2a-d and Table 3-4, SVOCs were detected less routinely than VOCs in the Shallow Zone samples in which they were analyzed (generally in fewer than 40 percent of the samples). The SVOCs consistently detected at the highest frequencies and the highest concentrations for all four quarters were bis(p-chlorophenyl)disulfide, diphenyl disulfide, and p-chlorobenzenethiol. The SVOC detections in Shallow Zone wells are summarized below:

Chemical Name	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location of Highest Concentration
1,2,4,5-Tetrachlorobenzene	6%	14%	7%	0%	EC-2
1,4-Dioxane	6%	29%	27%	11%	AA-BW-04A
2,4,5-Trichlorophenol	18%	21%	13%	16%	AA-BW-01A
2,4,6-Trichlorophenol	24%	21%	13%	5%	AA-BW-01A
2,4-Dichlorophenol	47%	43%	40%	26%	AA-MW-07
2-Chloronaphthalene	12%	0%	7%	11%	AA-BW-04A
2-Chlorophenol	35%	29%	27%	26%	AA-BW-09A
2-Methylnaphthalene	12%	14%	7%	11%	EC-2
4-Chlorothioanisole	0%	7%	7%	16%	AA-BW-12A
Acetophenone	0%	14%	0%	0%	AA-BW-04A
Benzenethiol	47%	50%	27%	32%	AA-BW-08A
bis(p-Chlorophenyl)sulfone	6%	0%	0%	0%	EC-2
bis(p-Chlorophenyl)disulfide	31%	36%	33%	35%	AA-BW-12A
Diphenyl disulfide	41%	50%	33%	37%	AA-BW-08A
Diphenyl sulfide	0%	0%	13%	5%	AA-BW-08A
Naphthalene	24%	29%	13%	21%	AA-BW-01A
p-Chlorobenzenethiol	47%	50%	27%	37%	AA-BW-12A
Pentachlorobenzene	6%	0%	13%	0%	M7B
Pentachlorophenol	18%	14%	0%	0%	AA-BW-04A
Phenol	24%	21%	13%	21%	EC-2

For a given SVOC, the highest detections are generally associated with the following wells:

- AA-BW-08A, AA-BW-12A and EC-2, located at the upgradient CAMU edge within and near the central paleochannel;

- AA-BW-04A, located at the downgradient CAMU edge, between the central and the northeastern paleochannels; and

- AA-MW-07, located in the southeastern (upgradient) corner of the CAMU.

As with VOCs, the wells in the eastern half of the CAMU area have appreciably higher SVOC detections than those collected from the western side of the CAMU. Chemical occurrence patterns for pentachlorophenol are presented graphically in Figure E-6.

4.2.3 Polynuclear Aromatic Hydrocarbons

As seen in Tables 3-2a-d and Table 3-5, PAHs were detected infrequently in the Shallow Zone samples in which they were analyzed. A given PAH was detected in no more than three samples collected during any one of the monitoring events. Acenaphthene was detected the most frequently, in nine samples; the highest detection was 0.367 µg/L (EC-2). Phenanthrene, the only other PAH detected in more than one sample, was detected in three samples, all from EC-2. All of the other PAH detections were associated with EC-2 (1st Quarter). The PAH detections are summarized below.

Chemical Name	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location of Highest Concentration
Acenaphthene	18%	21%	13%	5%	EC-2
Anthracene	6%	0%	0%	0%	EC-2
Benzo(a)pyrene	6%	0%	0%	0%	EC-2
Benzo(b)fluoranthene	6%	0%	0%	0%	EC-2
Benzo(g,h,i)perylene	6%	0%	0%	0%	EC-2
Benzo(k)fluoranthene	6%	0%	0%	0%	EC-2
Dibenzo(a,h)anthracene	6%	0%	0%	0%	EC-2
Indeno(1,2,3-cd)pyrene	6%	0%	0%	0%	EC-2
Phenanthrene	6%	0%	7%	5%	EC-2
Pyrene	6%	0%	0%	0%	EC-2

The PAH detections in CAMU area groundwater are all associated with wells in the immediate vicinity of the central paleochannel: upgradient wells AA-BW-08A and EC-2, and downgradient wells H-21R and AA-BW-05A.

4.2.4 Organochlorine Pesticides

As seen in Tables 3-2a-d and Table 3-6, organochlorine pesticides were detected frequently in the Shallow Zone samples in which they were analyzed. Delta-BHC was detected in all of the Shallow Zone wells during all four sampling events except MCF-BW-11A, and beta-BHC was detected in all of the Shallow Zone samples except those collected from M7B and MCF-BW-11A. The organochlorine pesticide detections are summarized below:

Chemical Name	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location of Highest Concentration
2,4-DDD	18%	29%	6%	11%	H-21R
2,4-DDE	41%	29%	24%	32%	AA-BW-12A
4,4-DDE	0%	6%	0%	0%	AA-BW-08A
Aldrin	6%	6%	0%	5%	AA-BW-09A
alpha-BHC	94%	94%	94%	89%	AA-BW-08A
alpha-Chlordane	12%	18%	18%	21%	AA-BW-08A
beta-BHC	53%	59%	47%	53%	AA-BW-04A
delta-BHC	100%	100%	100%	95%	AA-MW-07
Dieldrin	6%	12%	6%	5%	AA-BW-08A
Endosulfan I	6%	18%	0%	0%	EC-2
Endosulfan II	18%	12%	12%	11%	EC-2
Endrin	0%	0%	0%	5%	AA-MW-07
Endrin aldehyde	18%	12%	6%	11%	H-43
gamma-Chlordane	6%	12%	6%	0%	AA-BW-05A
Heptachlor	0%	12%	0%	5%	AA-BW-05A
Lindane	71%	71%	59%	58%	AA-BW-08A
Methoxychlor	6%	6%	6%	11%	H-43

As seen above, in Table 3-6, and in the alpha-BHC occurrence map presented in Appendix E (Figure E-7), the highest detections are generally associated with the following wells:

- AA-BW-08A, located at the upgradient CAMU edge in the central paleochannel;
- AA-BW-04A, located on the presumed eastern edge of the central paleochannel near the northeastern paleochannel; and

- AA-MW-07, located in the southeastern (upgradient) corner of the CAMU.

In general, the wells in the eastern half of the CAMU area have appreciably higher organochlorine pesticide detections than those collected from the western side of the CAMU. As shown in Figure E-7, the H-21R results appear anomalously low relative to the two adjacent wells.

4.2.5 Metals

As seen in Tables 3-2a-d and Table 3-7, metals were routinely detected in the Shallow Zone samples. Detections of the most commonly reported metals (those detected in more than 75 percent of the samples) are summarized below:

Chemical Name	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location of Highest Concentration
Arsenic	100%	100%	100%	100%	AA-BW-09A
Barium	100%	100%	100%	100%	EC-2
Boron	100%	100%	100%	100%	M7B
Calcium	100%	100%	100%	100%	AA-BW-09A
Cobalt	100%	71%	47%	63%	H-28
Iron	100%	88%	100%	100%	H-43
Lithium	88%	100%	100%	100%	AA-BW-09A
Magnesium	100%	100%	100%	100%	AA-BW-09A
Manganese	100%	94%	88%	100%	AA-BW-09A
Molybdenum	100%	100%	71%	74%	AA-BW-09A
Nickel	94%	100%	94%	100%	AA-BW-09A
Potassium	100%	100%	100%	100%	AA-BW-09A
Sodium	100%	100%	100%	100%	AA-BW-09A
Strontium	100%	100%	100%	100%	AA-BW-09A
Titanium	41%	76%	94%	21%	AA-BW-09A
Uranium	100%	100%	94%	79%	AA-BW-09A
Vanadium	24%	76%	65%	68%	AA-BW-05A/-07A

As seen above, in Table 3-7, and in the arsenic occurrence map presented in Appendix E (Figure E-8), the highest detections are routinely associated with AA-BW-09A, located at the upgradient CAMU edge along the eastern boundary of the central paleochannel.

The lateral variability in concentrations suggests that their presence is due to a combination of naturally-occurring conditions, as well as upgradient off-site influences.

4.2.6 Dioxins/Furans

As seen in Tables 3-2a-d and Table 3-8, dioxins/furans were detected infrequently in the Shallow Zone samples in which they were analyzed. 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (TCDD) was detected the most frequently, in samples collected in 2009 from six wells; this compound was also detected at the highest concentrations of any compounds in this class. The other detections are as follows:

- 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, 1,2,3,4,7,8-HxCDF, and OCDF were detected in only one sample (H-21R, 1st Quarter);
- 1,2,3,4,6,7,8-HpCDD was detected in one sample (EC-2, 3rd Quarter); and
- OCDD was detected in two samples (H-21R, 1st Quarter and EC-2, 3rd Quarter).

The seven wells associated with dioxin/furans detections are all located in the vicinity of the central paleochannel, and are as follows:

- Upgradient wells AA-MW-07, AA-BW-08A, and EC-2; and
- Downgradient wells H-43, H-21R, AA-BW-04A, and AA-BW-05A.

The highest concentrations are associated with upgradient wells AA-BW-08A and EC-2 (2,3,7,8-TCDD).

4.2.7 PCBs

As seen in Tables 3-2a-d and Table 3-9, PCBs were detected occasionally in the Shallow Zone samples in which they were analyzed. PCB-118 was detected the most often; wells H-21R and AA-BW-08A were associated with the largest number of detected congeners and the highest concentrations. The PCB detections are summarized below:

Chemical Name	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location of Highest Concentration
PCB 105	9%	0%	0%	18%	H-21R
PCB 118	64%	0%	0%	24%	AA-BW-08A
PCB 156	0%	0%	0%	12%	H-21R
PCB 167	0%	0%	0%	12%	AA-BW-08A

The eight wells associated with PCB detections are as follows:

- Upgradient well AA-BW-08A; and
- Downgradient wells AA-BW-04A, AA-BW-05A, AA-BW-06A, M7B, H-28, H-21R, and H-43.

4.2.8 Perchlorate

As seen in Tables 3-2a-d and Table 3-10, perchlorate was detected in nine of the Shallow Zone wells in which it was analyzed. As seen in the graphic presentations in Figure E-9, the highest perchlorate concentrations were consistently associated with (1) M7B, located along the northeast corner of the CAMU; and (2) upgradient well AA-BW-09A, which is located along the upgradient edge of the CAMU within the central paleochannel. As noted in Section 2.9, the perchlorate data for the 4th Quarter are considered unreliable due to matrix interference.

4.2.9 General Water Quality

As seen in Tables 3-2a-d and Table 3-11, TDS is generally high in groundwater samples collected from the CAMU area. As seen in the graphic presentations in Figure E-10, the highest TDS measurements were consistently associated with upgradient well AA-BW-09A and downgradient well AA-BW-05A, both located along the central paleochannel. The highest alkalinity measurements are also associated with AA-BW-09A.

4.2.10 Radionuclides

As seen in Tables 3-2a-d and Table 3-12, radionuclides were detected in all of the Shallow Zone wells in which they were analyzed. After the 1st Quarter 2009, the analytical program for radionuclides used for the CAMU monitoring was revised, and the list of analytes was reduced to Radium-226, Radium-226/228, Radium-228, and Radon-222. Radon-222 was detected at appreciably higher activities than radium.

As seen in the graphic presentations in Figure E-11, the highest Radium-226/228 measurements were consistently associated with upgradient well AA-BW-09A located along the upgradient edge of the CAMU just east of the central paleochannel. In contrast, the highest Radon-222 measurements were consistently associated with upgradient well EC-2, downgradient well AA-BW-04A, and AA-BW-07A, located along the western CAMU boundary (Figure E-12).

4.2.11 Methyl Mercury/White Phosphorus

As seen in Tables 3-2a-d and Table 3-13, methyl mercury was detected in each well. The only wells in which it was not detected were AA-BW-02, H-43, and M7B. The highest detections were associated with AA-BW-04A, located on the presumed eastern edge of the central paleochannel near the northeastern paleochannel.

White phosphorus was not detected in any CAMU groundwater samples collected during 2009.

4.2.12 Summary of 2009 Detections

As presented above, chemical detections reported in the Shallow Zone during the four quarters of baseline monitoring are relatively consistent.[7] These data indicate that baseline groundwater conditions in the CAMU area include the presence of numerous chemical constituents and every chemical class included in the analytical program. The highest chemical detections are generally associated with wells located in close proximity to the subsurface paleochannels, most commonly the central paleochannel.

Because these constituents are present in upgradient monitoring wells, the presumed sources of these constituents are off-site. Therefore, CAMU impacts, if any, on groundwater quality will be assessed in the future by comparing downgradient data collected as part of a long-term

[7] The only compound with significantly variable detections across the monitoring period was perchlorate, which had anomalously elevated concentrations reported in samples from several wells during the 4th Quarter. These samples also had issues in terms of cation/anion balance. Accordingly, these 4th Quarter data are considered unreliable.

monitoring program (see Section 5.2) to upgradient data collected at the same time, as well as these baseline data.

5.0 PROPOSED GROUNDWATER MONITORING

As noted in Section 1, the general purpose of the CAMU groundwater monitoring program was is to collect baseline groundwater data in the CAMU area, against which the potential for impacts to groundwater quality due to CAMU construction can be assessed in the future. This section presents a proposed program for long-term monitoring to assess whether CAMU operations are impacting groundwater quality.

As discussed in Section 4, while the data collected during four rounds of monitoring in 2009 are relatively consistent in terms of observed chemical occurrence patterns, certain wells were not included in all four monitoring rounds, and the lack of data represents a data gap. These data gaps will be addressed by the long-term monitoring program.This section presents recommendations for additional monitoring to fill this data gap. In addition, this section presents a proposed program for long-term monitoring to assess whether CAMU operations are impacting groundwater quality.

5.1 PROPOSED MONITORING TO ADDRESS BASELINE CONDITIONS DATA GAPS

As presented in Table 2-1, the 2009 monitoring events included a total of 29 monitoring wells, divided between the hydrogeologic zones as follows:

- Shallow Zone – 20 wells
- Middle Zone – 5 wells
- Deep Zone – 4 wells

The Middle and Deep Zone wells were only included in one monitoring event (4th Quarter 2009). Most of the Shallow Zone wells were included in all four 2009 CAMU monitoring events. Exceptions are as follows:

- AA-BW-12A was only sampled during one event (4th Quarter);
- H-21R was sampled during all 4 events, however, VOCs were not analyzed during the 2nd Quarter event, and SVOCs and PAHs were only included in the analytical suite for two events (1st and 4th Quarters); and
- MCF-BW-11A was only sampled during one event (4th Quarter).

~~BRC has evaluated the significance of the missing data with respect to its intended use (*i.e.*, in comparisons to baseline conditions for assessing potential impacts due to CAMU operations). For the Shallow Zone, BRC proposes to collect an additional three quarters of data from AA-BW-12A and MCF-BW-11A. No additional monitoring is proposed to address the missing data from H-21R, for the following reasons:~~

1. ~~Data are available for four quarters for almost all the site-related chemicals (SRCs) – data are lacking for only VOCs and SVOCs/PAHs.~~

2. ~~Adequate coverage of the northern CAMU boundary is already provided by other shallow wells in that area. For example, well H-43 is approximately 300 feet to the west, and AA-BW-05A is approximately 200 feet to the east.~~

3. ~~As noted in Section 4, and illustrated for many of the SRCs in the Appendix E figures, results from well H-21R are usually anomalous as compared to nearby wells AA-BW-05A and H-43 (either high or low, depending on the analysis in question). Well H-21R is screened in an interval that is appreciably deeper than the other two wells, and is presumed to be more representative of Middle Zone conditions than those of the Shallow Zone.~~

~~In addition to wells AA-BW-12A and MCF-BW-11A, BRC proposes to extend baseline monitoring at selected additional Shallow Zone wells, to facilitate interpretation of lateral chemical occurrence trends. These wells were selected to provide aerial coverage (upgradient, crossgradient, and downgradient of the CAMU) and to represent the historical variability in SRC concentrations.~~

~~If CAMU operations generate leachate in the future with the potential to migrate into the subsurface, the shallowest water-bearing zone will be the first one impacted. Therefore, it is comparisons to this Shallow Zone that will be most relevant. Because of this, the Middle and Deep Zone data gaps have little effect on the usability of the 2009 baseline monitoring, and no further characterization of the Middle or Deep Zones is proposed.~~

~~In summary, the baseline monitoring program consists of an additional~~ three ~~quarters of monitoring at the following wells, for the analyses specified in the GMP:~~

~~Well ID~~	~~Zone~~	~~Rationale for Inclusion~~
~~AA-BW-12A~~	~~Shallow~~	~~To provide full four quarters of data for Shallow Zone in upgradient southwestern corner of CAMU~~

Well ID	Zone	Rationale for Inclusion
MCF-BW-11A	Shallow	To provide full four quarters of data for Shallow Zone in upgradient southwestern corner of CAMU
AA-BW-08A	Shallow	Upgradient well; historically associated with some of the highest upgradient SRC concentrations
AA-BW-09A	Shallow	Upgradient well; historically associated with some of the highest upgradient SRC concentrations
AA-BW-02A	Shallow	To provide coverage on eastern (crossgradient) edge of the CAMU; along eastern edge of apparent plumes
H-28	Shallow	Downgradient well; historically associated with relatively low downgradient SRC concentrations (eastern edge of apparent plumes)
H-43	Shallow	Downgradient well; historically associated with relatively low downgradient SRC concentrations (western edge of apparent plumes)
AA-BW-04A	Shallow	Downgradient well; historically associated with some of the highest downgradient SRC concentrations

5.2 PROPOSED MONITORING PROGRAM TO ASSESS IMPACTS FROM CAMU OPERATIONS

As noted above, BRC proposes to conduct long-term monitoring to assess the potential for impacts to groundwater quality from CAMU operations. The proposed monitoring program will include a sub-set of the Shallow Zone wells used for establishing baseline conditions, as summarized below:

Hydraulic Position	Shallow Zone Well IDs
Hydraulic Position	Well IDs
Upgradient	AA-MW-07 AA-BW-08A AA-BW-09A AA-BW-12A EC-2 MCF-BW-11A
Crossgradient	AA-BW-02A

Downgradient	H-28 H-43 AA-BW-04A AA-BW-05A AA-BW-06A

Because the intent of this monitoring program is to assess for potential impacts due to CAMU operations, it is appropriate to focus on the uppermost water-bearing zone. If there are no impacts to that zone (the Shallow Zone) from CAMU operations, the threat to the underlying Middle and Deep Zones is negligible. However, to fill data gaps in the Middle and Deep zone datasets, the following~~Because of this,~~ Middle and Deep Zone wells will be~~are not~~ included in the long-term monitoring program for the first four semi-annual monitoring events (*i.e.*, 2nd and 4th Quarters of 2010 and 2011):~~.~~

Hydraulic Position	**Middle Zone Well IDs**
Upgradient	MC-MW-10 MC-MW-11 MC-MW-12
Downgradient	MC-MW-30 MC-MW-31

Hydraulic Position	**Deep Zone Well IDs**
Upgradient	MW-8 DMC-MW-28
Downgradient	TR-11 TR-12

After completion of the first four monitoring events, NDEP and BRC will determine whether any further monitoring will be required in the CAMU area for the Middle and Deep zones.

Each of the wells listed above (all three zones, presented on Figure 5-1) will be monitored semi-annually, including measurement of water levels and collection of representative groundwater samples. Because materials being placed in the CAMU originated from across the Eastside and

contain a variety of Site-related chemicals~~SRCs~~ at varying concentrations, the groundwater samples will be analyzed for the following BMI Common Areas Site-related chemicals classes~~broad suite of analyses (see Table 2-4 for the individual analytes to be included)~~:

- General water quality (ions, hardness, TDS, and alkalinity) by EPA Method 300.0, 130.2, 160.1, and 310.1;
- Perchlorate, by EPA Method 6850;
- Metals, by EPA Method 6020/6010B;
- Organochlorine pesticides, by EPA Method 8081A;
- PAHs, by EPA Method 8270SIM;
- Radionuclides, EPA Method 903.1/904.0, HASL A-01-R, and SM7500;
- SVOCs, by EPA Method 8270C; and
- VOCs, by EPA Method 8260B.

The specific analytes to be included in each analytical method listed above are as specified in Table 2-4.[8] Given the general lack of detections in Eastside soils and their general immobility, the monitoring program does not include analysis for dioxins/furans or PCBs. The scope and findings of the monitoring events will be documented in reports submitted semi-annually to NDEP.

[8] Note that Table 2-4 reflects the analytical program that has been approved for the BMI Common Area, and includes certain analytical methods not proposed for long-term CAMU monitoring.

APPENDIX B

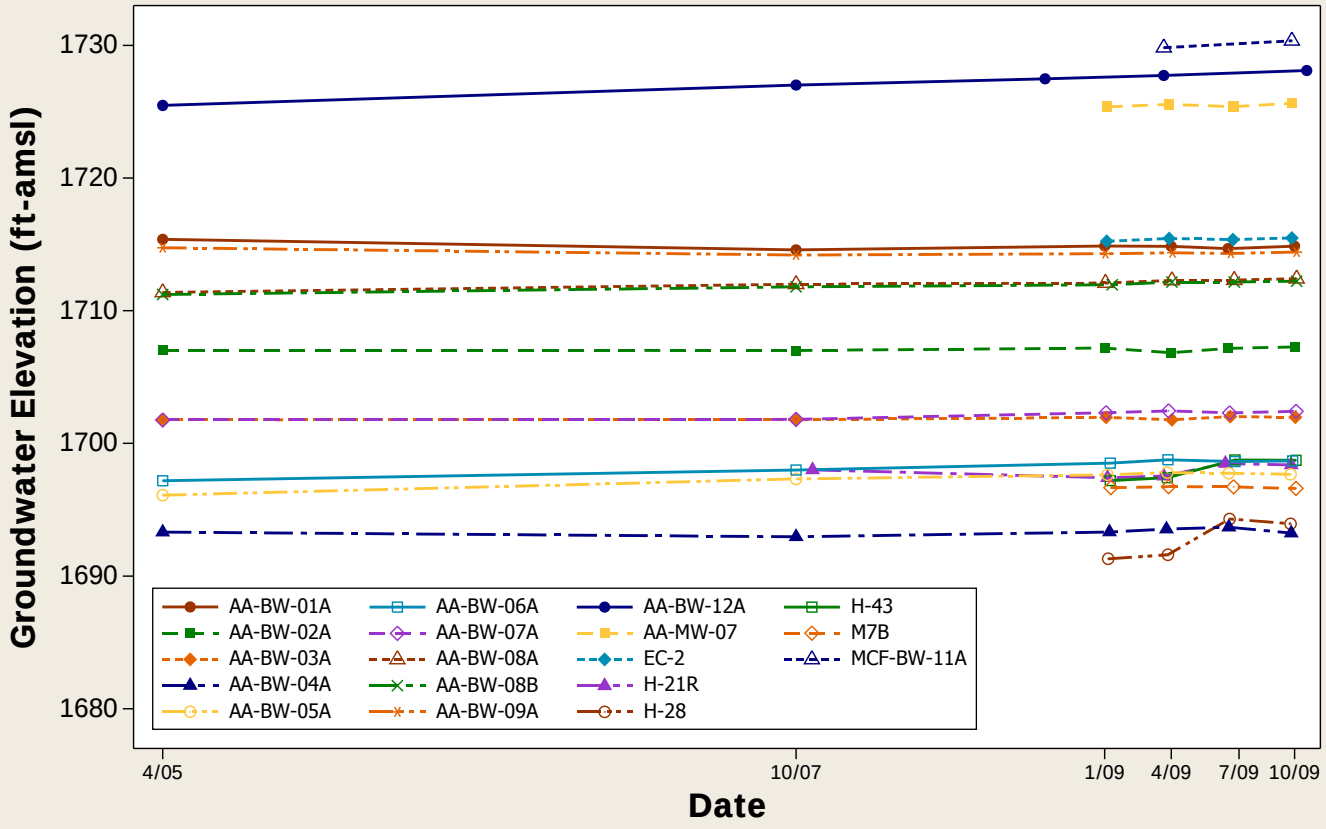
ELECTRONIC DATABASE AND ELECTRONIC COPY OF THE REPORT

APPENDIX C

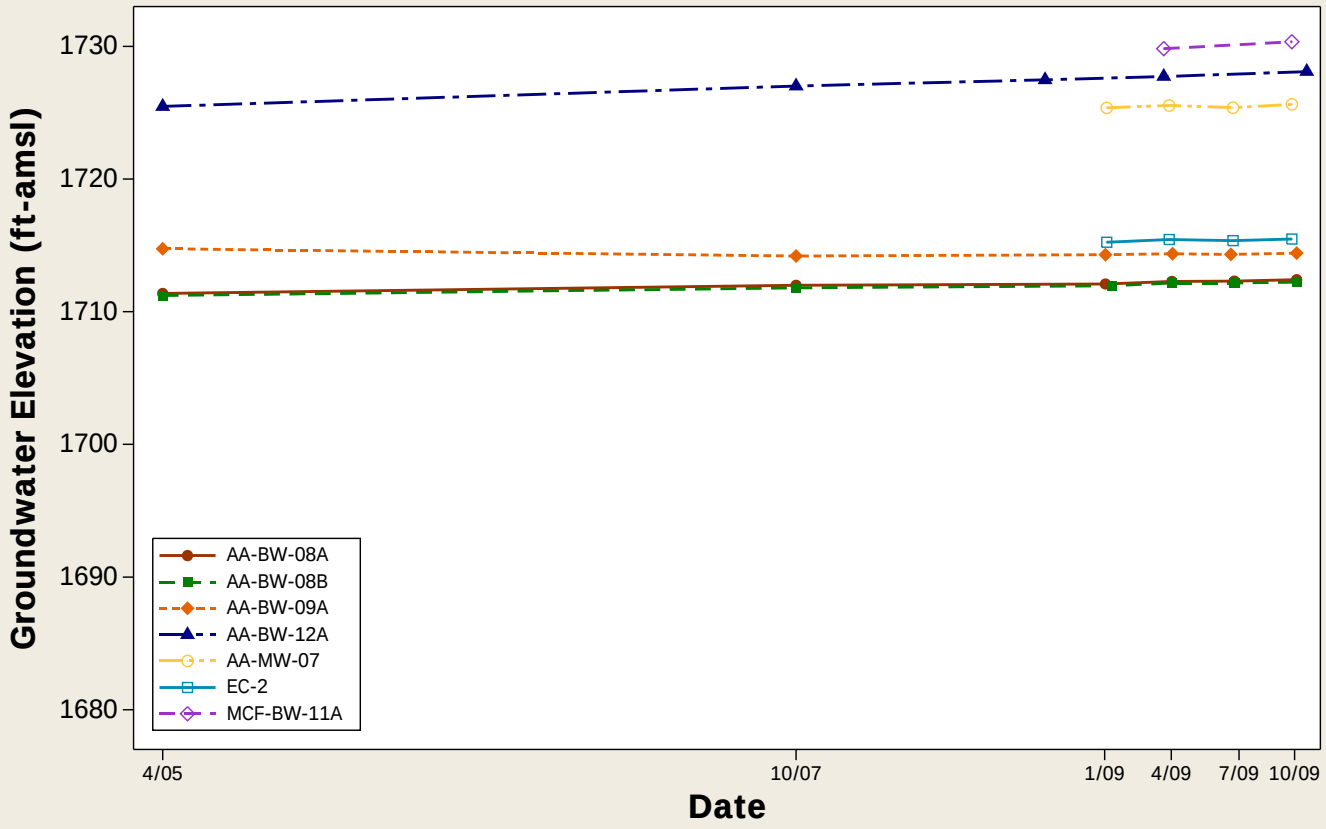
WELL HYDROGRAPHS AND SAMPLING FORMS

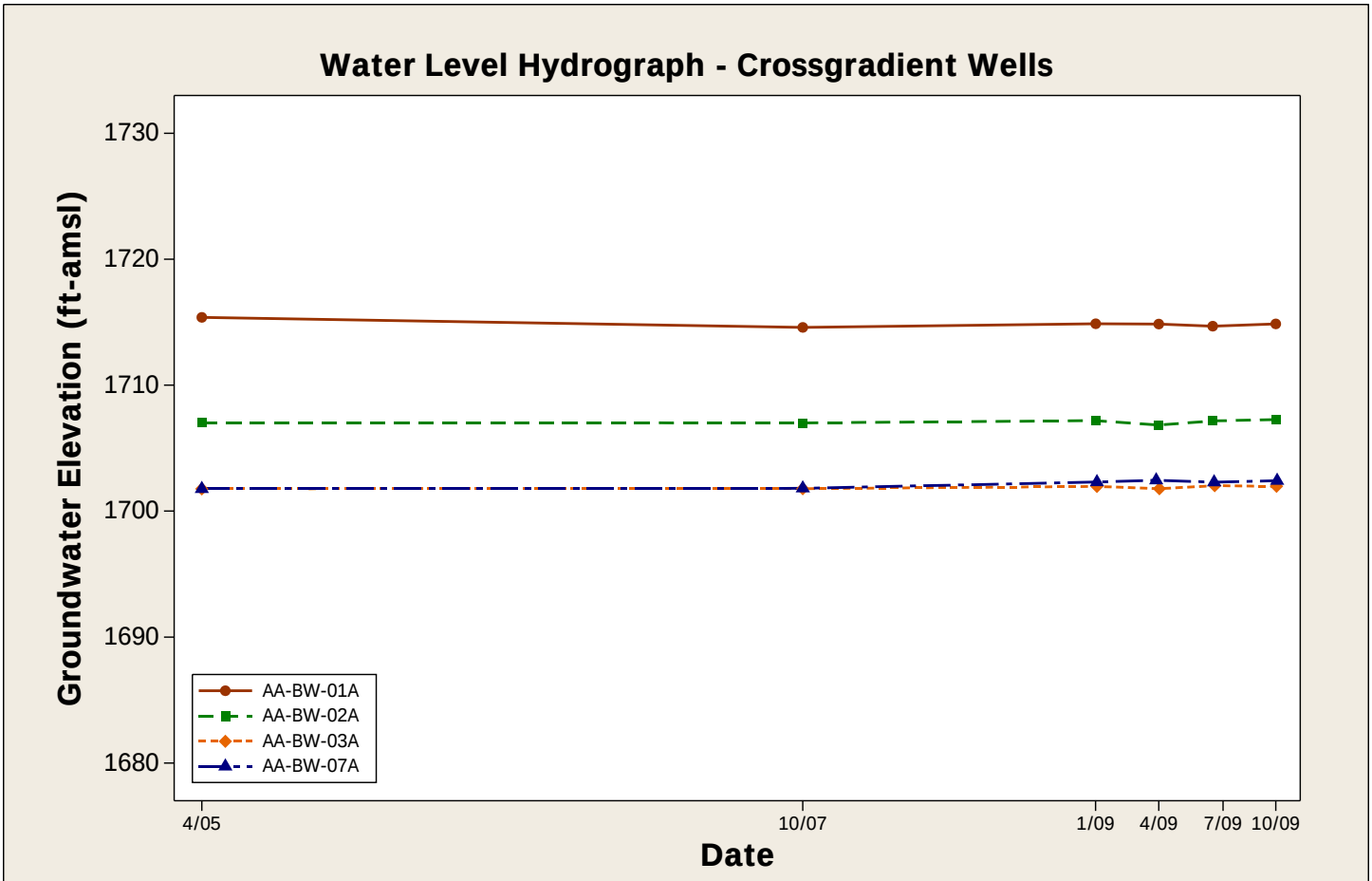
WELL HYDROGRAPHS

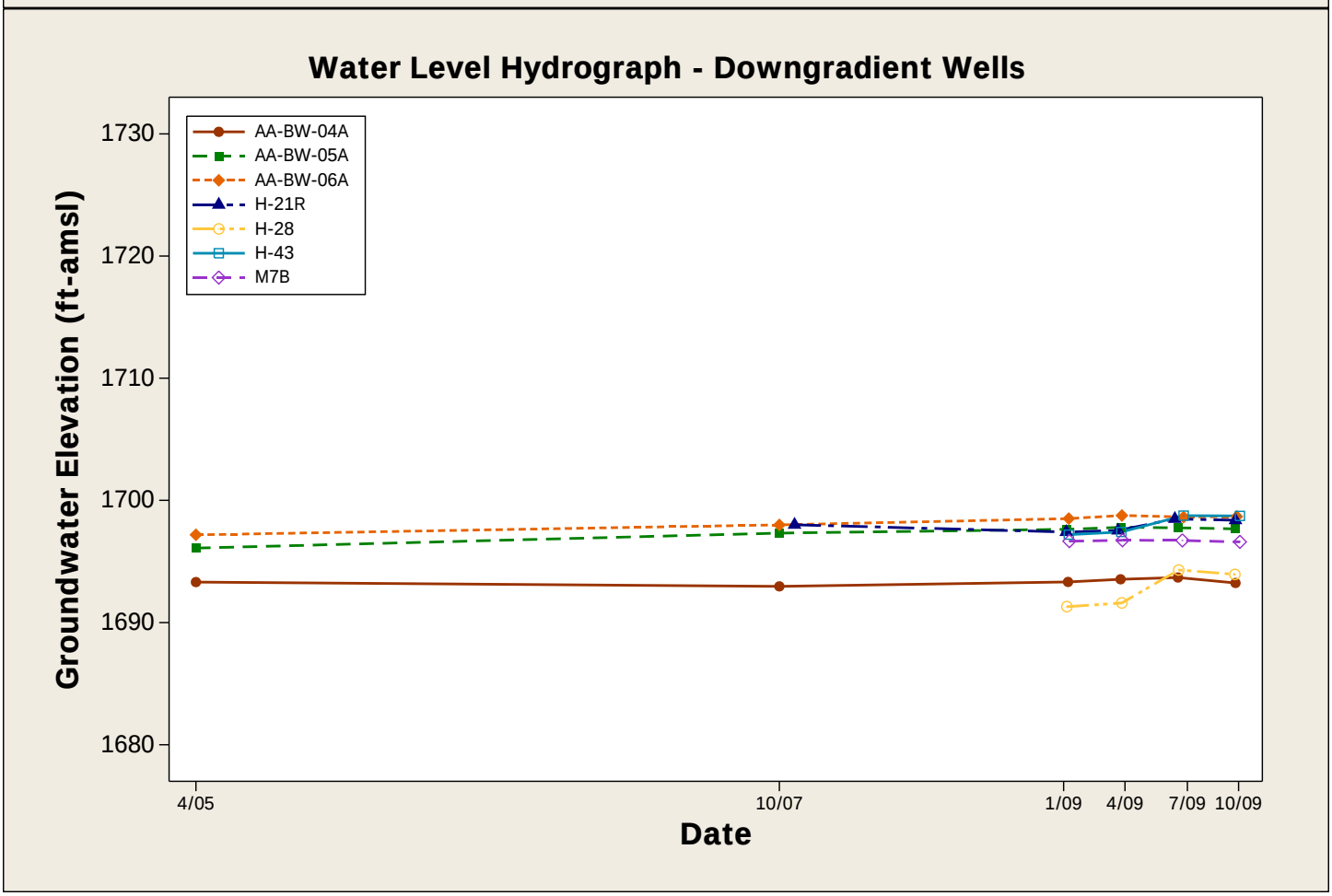
Water Level Hydrograph - All Wells



Water Level Hydrograph - Upgradient Wells




Water Level Hydrograph - Crossgradient Wells
Groundwater Elevation (ft-amsl)
1730
1720
1710
1700
1690
1680
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-07A
4/05
10/07
1/09
4/09
7/09
10/09
Date


Water Level Hydrograph - Downgradient Wells
Groundwater Elevation (ft-amsl)
1730
1720
1710
1700
1690
1680
AA-BW-04A
AA-BW-05A
AA-BW-06A
H-21R
H-28
H-43
M7B
4/05
10/07
1/09
4/09
7/09
10/09
Date

4th QUARTER 2009 SAMPLING FORMS

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC - CAMU

Well ID:	H-21R	**Screened Interval (ft)**	30-45' BTOC	**Well Diameter (in):**	4"
Date:	10/21/09	**Pump Intake Depth (ft)**	38' BTOC	**Static Water Level (ft):**	31.97' BTOC
Sample ID	H-21R-4Q-CAMU	**Purging/ Sample Device:**	PORTABLE	**Total Well depth (ft):**	66.55' BTOC
Time:	0715	**PID Reading at TOC:**		**Water Column Length:**	34.58
Dup ID:	-	**Water Level Instrument :**	SOLINST	**Minimum Purge Volume:**	
Rinsate ID:	-	**WLI Serial #:**	49517	**Samplers Name:**	M. Schmidt, C. Cobos
MS/MSD ID:	-	**Water Quality Meter:**	HORIBA U-22	**Optimal Pump Setting:**	PSI 60 CPM 4 ID: 103
Analysis:	VARIOUS	**Water Quality Meter Serial #:**	6Q6042	**Low-Flow or Net Purge:**	Low Flow
		WQM Calibrated Date & Time:	10/21/09 0650		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0655	START	pump									
0700	2.0	400	31.98	16.4	6.65	25.9	0.70	-241	∅	1.0	60 PSI 10 103 FD
0703	3.2	400	31.98	16.7	6.70	26.0	0.46	-247	∅	1.0	10
0706	4.4	400	31.98	16.8	6.73	26.0	0.36	-253	∅	1.0	10
0709	5.6	400	31.98	16.8	6.75	26.1	0.39	-257	∅	1.0	10
0712	6.8	400	31.98	16.9	6.77	26.0	0.36	-261	∅	1.0	10
0715	COMMENCE SAMPLING										
0830	SAMPLING COMPLETE 31.98										

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	AA-BW-05A	**Screened Interval (ft)**	34'-64' BTOC	**Well Diameter (in):**	4"
Date:	10/20/09	**Pump Intake Depth (ft)**	~63' BTOC	**Static Water Level (ft):**	33.73' BTOC
Sample ID	AA-BW-05A-40-CAMU	**Purging/ Sample Device:**	Dedicated	**Total Well depth (ft):**	67.20 BTOC
Time:	1030	**PID Reading at TOC:**		**Water Column Length:**	33.47
Dup ID:	AA-BW-05A-40-CAMU(FD)	**Water Level Instrument :**	Solinst	**Minimum Purge Volume:**	
Rinsate ID:	—	**WLI Serial #:**	49517	**Samplers Name:**	M. Schmidt, C. Cobos
MS/MSD ID:	—	**Water Quality Meter:**	Horiba U-22	**Optimal Pump Setting:**	PSI 60 CPM 4 ID: 103
Analysis:	VARIOUS	**Water Quality Meter Serial #:**	606042	**Low-Flow or Net Purge:**	Low Flow
		WQM Calibrated Date & Time:	10/22/09 0830		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1005	START PUMP										
1008	1.0	350	33.85	27.9	7.01	26.3	1.24	-159	18	1.7	Hz 17 18 FD
1011	2.0	350	33.88	28.2	7.08	26.3	0.42	-176	16	1.8	18
1014	3.0	350	33.88	28.2	7.11	26.3	0.24	-185	15	1.8	17
1017	4.0	350	33.88	28.2	7.10	26.3	0.21	-189	14	1.8	17
1020	5.0	350	33.88	28.2	7.11	26.3	0.19	-191	14	1.8	18
1030	Commence Sampling										
1255	Sampling Complete 33.88										

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	H-28	**Screened Interval (ft)**	37.5'-50.5' BTOC	**Well Diameter (in):**	2"
Date:	10/20/09	**Pump Intake Depth (ft)**	~45' BTOC	**Static Water Level (ft):**	38.94' BTOC
Sample ID	H-28-4Q-CAMU	**Purging/ Sample Device:**	Portable	**Total Well depth (ft):**	47.80' BTOC
Time:	0900	**PID Reading at TOC:**		**Water Column Length:**	8.84
Dup ID:	-	**Water Level Instrument :**	SOL.INST	**Minimum Purge Volume:**	
Rinsate ID:	-	**WLI Serial #:**	49517	**Samplers Name:**	M.Schmidt, C.Cobos
MS/MSD ID:	-	**Water Quality Meter:**	HoribA-U-22	**Optimal Pump Setting:**	PSI 60 CPM 4 ID: 103
Analysis:	VARIOUS	**Water Quality Meter Serial #:**	6OL042	**Low-Flow or Net Purge:**	Low Flow
		WQM Calibrated Date & Time:	10/22/09 0830		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0834	START pump										
0836	1.0	400	38.98	10.8	6.01	24.5	1.77	-86	150	0.6	60 PSI 4 103 ID
0839	2.2	400	38.98	10.8	6.37	24.6	1.01	-112	120	0.6	4
0842	3.4	400	38.98	10.8	6.61	24.7	0.74	-118	90	0.6	4
0845	4.6	400	38.98	10.8	6.72	24.7	0.63	-102	57	0.6	4
0848	5.8	400	38.98	10.8	6.76	24.8	0.62	-98	54	0.6	4
0851	7.0	400	38.98	10.8	6.79	24.7	0.59	-98	53	0.6	4
0900	Commence Sampling										
0952	Sampling Complete	38.98									

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Page___of___ **Monitoring Well Low-Flow Purge/Sampling Form** Project: BRC-CAMU

Well ID:	AA-BW-04A	**Screened Interval (ft)**	34'-54' BTOC	**Well Diameter (in):**	4"
Date:	10/21/09	**Pump Intake Depth (ft)**	~53' BTOC	**Static Water Level (ft):**	38.25' BTOC
Sample ID	AA-BW-04A-40-CAMU	**Purging/ Sample Device:**	DEDICATED	**Total Well depth (ft):**	54.75' BTOC
Time:	0915	**PID Reading at TOC:**		**Water Column Length:**	16.50
Dup ID:	AA-BW-04A-40-CAMU (FD)	**Water Level Instrument :**	SOLINST	**Minimum Purge Volume:**	
Rinsate ID:	~	**WLI Serial #:**	49517	**Samplers Name:**	M. Schmidt, C. Cobos
MS/MSD ID:	~~AA-BW-04A-40-CAMU (MS/MSD)~~	**Water Quality Meter:**	MODEL AU-22	**Optimal Pump Setting:**	PSI 60 CPM 4 ID: 103
Analysis:	VARIOUS	**Water Quality Meter Serial #:**	606042	**Low-Flow or Net Purge:**	Low Flow
		WQM Calibrated Date & Time:	10/21/09 0650		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS		
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L		
0850	START PUMP												
0853	1.5	500	38.30	24.60	7.00	26.2	1.06	-149	ϕ	1.5	60PSI	15	W/FD
0856	3.0	500	38.30	24.70	7.04	26.3	0.53	-156	ϕ	1.5		15	
0859	4.5	500	38.30	24.7	7.04	26.3	0.29	-161	ϕ	1.5		15	
0902	6.0	500	38.30	24.7	7.04	26.3	0.22	-162	ϕ	1.5		15	
0905	7.5	500	38.30	24.8	7.07	26.3	0.21	-162	ϕ	1.5		15	
0915	Commence Sampling												
1123	SAMPLING COMPLETE		38.30										

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID: AA-MW-07
Date: 10/22/09
Sample ID: AA-MW-07-40-CAMU
Time:
Dup ID: —
Rinsate ID: —
MS/MSD ID: AA-MW-07-40-CAMU (MS/MSD)
Analysis: VOA's

Screened Interval (ft): @30.5'-70.5' BTOC
Pump Intake Depth (ft): ~50' BTOC
Purging/ Sample Device: Portable
PID Reading at TOC:
Water Level Instrument: Sol. ist
WLI Serial #: 49517
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 606042
WQM Calibrated Date & Time: 10/22/09 0758

Well Diameter (in): 4"
Static Water Level (ft): 38.59' BTOC
Total Well depth (ft): 76.12' BTOC
Water Column Length: 37.53
Minimum Purge Volume:
Samplers Name: M. Schmidt, C. Cobos
Optimal Pump Setting: PSI 60 CPM 4 ID: 103
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1025	Start pump										
1027	.5	400	38.72	22.3	6.74	25.2	2.29	-141	∅	1.4	60psi 14 105ED
1031	2.5	450	38.81	22.3	6.68	25.1	0.95	-150	∅	1.4	14
1034	4.0	450	38.81	22.4	6.64	25.1	0.51	-154	∅	1.4	14
1037	5.5	450	38.80	22.4	6.59	25.1	0.32	-158	∅	1.4	14
1040	7.0	450	38.81	22.4	6.48	25.1	0.22	-155	∅	1.4	14
1043	8.0	450	38.80	22.5	6.51	25.1	0.17	-165	∅	1.4	14
1046	9.5	450	38.80	22.5	6.50	25.1	0.15	-157	∅	1.4	14
1049	11.0	450	38.80	22.5	6.50	25.2	0.16	-164		1.4	14
1050	Complete Sampling										
1305	Sample by Complete		38.80								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC
Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.
If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.
This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	EC-2	Screened Interval (ft)	50'-60' BTOC	Well Diameter (in):	4"
Date:	10/22/09	Pump Intake Depth (ft)	~58' BTOC	Static Water Level (ft):	55.94 BTOC
Sample ID	EC-2-40-CAMU	Purging/ Sample Device:	Portable	Total Well depth (ft):	60.55 BTOC
Time:	0830	PID Reading at TOC:		Water Column Length:	4.61
Dup ID:	–	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	–	WLI Serial #:	49517	Samplers Name:	M. Schmidt C. Cobos
MS/MSD ID:	–	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 50 CPM 2 ID: 47
Analysis:	VARIOUS	Water Quality Meter Serial #:	606442	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	10/22/09 0750		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS		
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L		
0804	START PUMP												
0807	.5	200	56.03	18.2	6.19	24.9	2.94	-192	5	1.1	50psi	11	47 FD
0810	1.0	200	56.03	18.6	6.46	25.5	1.52	-203	4	1.1		12	
0815	2.0	200	56.03	18.7	6.57	25.8	0.94	-211	8	1.1		12	
0818	2.5	200	56.03	18.6	6.64	25.9	0.74	-216	3	1.1		11	
0821	3.0	200	56.03	18.6	6.67	25.9	0.69	-219	1	1.1		12	
0824	3.5	200	56.03	18.6	6.68	26.0	0.69	-220	1	1.1		12	
0830	Commence Sampling												
1002	Sampling Complete 56.04												

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BLC-Capco

Well ID:	AP-BW-06A	Screened Interval (ft)	23'-43' bgs	Well Diameter (in):	4"
Date:	10/23/09	Pump Intake Depth (ft)	~43' bgs	Static Water Level (ft):	32.72
Sample ID	AP-BW-06A-4810-CAPCO	Purging/ Sample Device:	DED. CAPCO	Total Well depth (ft):	45.40
Time:	1050	PID Reading at TOC:		Water Column Length:	12.68
Dup ID:	—	Water Level Instrument :	SOLINST	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	49517	Sampiers Name:	M. Schmidt, C. Cabe
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 60 CPM 3 ID: 82
Analysis:	VOCs	Water Quality Meter Serial #:	L06042	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	10/23/09 0820		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1000	START @ 0.0										
1003	~~FOR~~ 1.5	500	32.72	7.38	7.01	25.0	2.04	-103	∅	0.4	60psi 4.7 825m
1006	3.0	500	32.72	7.70	7.12	25.1	0.39	-141	∅	0.4	4.5
1009	4.5	520	32.72	7.53	7.16	25.2	0.18	-161	∅	0.4	4.7
1015	7.5	500	32.74	7.39	7.17	25.2	0.12	-173	∅	0.4	4.7
1018	9.0	500	32.72	7.38	7.16	25.2	0.10	-176	∅	0.4	4.7
1021	10.5	500		7.38	7.16	25.1	0.08	-179	∅	0.4	4.7
1050	Equipment Shutdown										
1205	Sampling Complete		32.72								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BEC-CAMU

Well ID:	H-43	Screened Interval (ft)	29'-43' btoc	Well Diameter (in):	4"
Date:	10/23/09	Pump Intake Depth (ft)	~36' bgs	Static Water Level (ft):	32.49
Sample ID	H-43-40-CAMU	Purging/ Sample Device:	peri pump	Total Well depth (ft):	36.85
Time:	0850	PID Reading at TOC:		Water Column Length:	4.36
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	45517	Samplers Name:	M. Schmidt, C. Cibes
MS/MSD ID:	—	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 40 CPM 4 ID: 103
Analysis:	Various	Water Quality Meter Serial #:	606042	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	10/23/09 0830		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0830	Start Purge										
0833	1.5	350	32.50	6.64	6.71	25.0	1.30	-207	26	0.4	40psi 4.2 103 ID
0836	2.5	350	32.50	6.68	7.05	25.1	1.12	-216	17	0.4	4.2
0839	3.5	350	32.50	6.68	7.13	25.2	1.03	-217	14	0.4	4.2
0842	4.5	350	32.50	6.68	7.18	25.2	.99	-217	14	0.4	4.2
0845	5.5	350	32.50	6.70	7.21	25.2	.99	-218	15	0.4	4.2
0850	Commence Sampling										
0853	Sampling Complete		32.50								

Comments:

Maximum permissable drawdown = __________ ft BTOC, water level not to draw down below __________ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Page ___ of ___ **Monitoring Well Low-Flow Purge/Sampling Form** Project: BRC-CAMW

Well ID: AA-BW-02A
Date: 10/26/09
Sample ID: AA-BW-02A-10-LA
Time: 1100
Dup ID: —
Rinsate ID: —
MS/MSD ID: —
Analysis: VOCs

Screened Interval (ft): 33'-53' BTOC
Pump Intake Depth (ft): ~52' BTOC
Purging/ Sample Device: Dedicated
PID Reading at TOC:
Water Level Instrument: Solinst
WLI Serial #: 49517
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 6060042
WQM Calibrated Date & Time: 10/26/09 0755

Well Diameter (in): 4"
Static Water Level (ft): 41.53' BTOC
Total Well depth (ft): 55.62 BTOC
Water Column Length: 14.09
Minimum Purge Volume:
Samplers Name: Mickendt, C Cobos
Optimal Pump Setting: PSI 70 CPM 3 ID: 73
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1035	START pump										
1037	.5	380	41.62	13.7	7.10	24.8	3.09	-16	Ø	0.8	70psi 8 7350
1040	1.5	380	41.62	13.7	7.03	24.8	0.67	-26	Ø	0.8	8
1043	2.5	380	41.62	13.7	7.02	24.8	0.52	-26	Ø	0.8	8
1046	3.5	380	41.62	13.7	7.01	24.8	0.43	-27	Ø	0.8	8
1049	5.0	380	41.62	13.7	6.99	24.8	0.41	-27	Ø	0.8	8
1052	5.0	380	41.62	13.7	6.99	24.9	0.40	-27	Ø	0.8	8
1100	Collect SAMPLES										
1220	Sampling Complete		41.62								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	AA-BW-01A	Screened Interval (ft)	33'-53' BTOC	Well Diameter (in):	4"
Date:	10/26/09	Pump Intake Depth (ft)	~51' BTOC	Static Water Level (ft):	39.70' BTOC
Sample ID	AA-BW-01A-4U-CAMU	Purging/ Sample Device:	DEDICATED	Total Well depth (ft):	55.65' BTOC
Time:	0845	PID Reading at TOC:		Water Column Length:	15.95'
Dup ID:	—	Water Level Instrument :	SOLINST	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	549517	Samplers Name:	M Schmidt, C Gibson
MS/MSD ID:	—	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 50
Analysis:	VARIOUS	Water Quality Meter Serial #:	606042	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	10/26/09 0855		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
~~0753~~ 0802	START pump										
0814	.5	200	39.79	19.2	5.89	23.5	4.30	-94	Ø	1.1	30psi 12 50ID
0819	1.5	200	39.81	19.2	6.31	24.1	1.31	-131	Ø	1.1	12
0824	2.5	200	39.82	19.2	6.54	24.4	0.67	-151	Ø	1.1	12
0827	3.0	200	39.82	19.2	6.58	24.4	0.69	-154	Ø	1.1	12
0830	3.5	200	39.82	19.2	6.64	24.4	0.59	-159	Ø	1.1	12
0833	4.1	200	39.82	19.2	6.67	24.5	0.51	-161	Ø	1.1	12
0836	4.7	200	39.82	19.1	6.70	24.5	0.45	-164	Ø	1.1	12
0839	5.3	200	39.82	19.2	6.72	24.5	0.42	-166	Ø	1.1	12
0845	Connect to Sampling										
1020	Sampling Complete		39.82								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Page___of___ **Monitoring Well Low-Flow Purge/Sampling Form** Project: BBC-Capwell

Well ID: AA-BW-03A
Date: 10/27/09
Sample ID: AA-BW-03A-4810-Grab
Time: 0845
Dup ID: —
Rinsate ID: —
MS/MSD ID: —
Analysis: VOCs

Screened Interval (ft): 33'-53' BTOC
Pump Intake Depth (ft): ~50' BTOC
Purging/ Sample Device: Dedicated
PID Reading at TOC:
Water Level Instrument: Solinst
WLI Serial #: 49517
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 606042
WQM Calibrated Date & Time: 10/27/09 0745

Well Diameter (in):
Static Water Level (ft): 39.66' BTOC
Total Well depth (ft): 55.88' BTOC
Water Column Length: 16.22
Minimum Purge Volume:
Samplers Name: M. Schmidt, C. Cabos
Optimal Pump Setting: PSI 40 CPM 2 ID: 4/4
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0804	START pump										
0810	.5	100	39.82	9.95	6.17	22.4	3.07	72	Ø	0.6	40 psi 6.3 4450
0815	1.0	100	39.92	9.93	6.45	22.5	1.48	67	Ø	0.6	6.3
0818	1.5	100	39.98	9.92	6.58	22.7	1.06	59	Ø	0.6	6.3
0821	1.6	100	40.06	9.93	6.71	23.1	0.75	50	Ø	0.6	6.3
0826	3.1	100	40.11	9.96	6.80	23.5	0.57	42	Ø	0.6	6.3
0831	3.6	100	40.14	9.95	6.83	23.1	0.55	39	Ø	0.6	6.2
0834	4.1	100	40.18	9.93	6.87	23.6	0.54	37	Ø	0.6	6.2
0845	Commence Sampling										
1210	Sampling Complete		40.72								

Comments:

Maximum permissable drawdown = 2.58 ft BTOC, water level not to draw down below 42.24 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BLC-Carmi

Well ID: AA-BW-06A
Date: 10/27/09
Sample ID: AA-BW-06A-40.Carmi
Time: 1245
Dup ID: —
Rinsate ID: —
MS/MSD ID: —
Analysis: Various

Screened Interval (ft): 23'-43' bgs
Pump Intake Depth (ft): ~43 bgs
Purging/ Sample Device: Bladder pump
PID Reading at TOC:
Water Level Instrument: Solinst
WLI Serial #: 49517
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 606042
WQM Calibrated Date & Time: 10/27/09 1045

Well Diameter (in): 4"
Static Water Level (ft): 32.64 BTOC
Total Well depth (ft): 45.40 BTOC
Water Column Length: 12.76
Minimum Purge Volume:
Samplers Name: M. Schmidt, C. Cobos
Optimal Pump Setting: PSI 60 CPM 3 ID: 82
Low-Flow or Net Purge: Low Flows

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1220	Start pump										
1221	.5	500	32.64	7.75	6.61	~~25.1~~ ~~5.61~~	~~5.61~~	-204	Ø	0.4	60psi 4.9 82ID
1224	2.0	500	32.66	7.66	6.86	25.0	3.73	-218	Ø	0.4	4.8
1227	3.5	500	32.66	7.53	7.01	25.0	2.03	-233	Ø	0.4	4.7
1230	5.0	500	32.66	7.35	7.07	25.0	0.92	-238	Ø	0.4	4.6
1233	6.5	500	32.66	7.32	7.09	25.0	0.32	-239	Ø	0.4	4.6
1236	8.0	500	32.66	7.32	7.10	25.0	0.29	-240	Ø	0.4	4.6
1239	9.5	500	32.66	7.30	7.11	25.0	0.27	-241	Ø	0.4	4.6
1245	Commence Sampling										
1245	Sampling Complete	32.64									

Comments: # Resample for Nitrate Phos due to bottle breaking during shipping

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-Camp

Well ID:	MW-B	Screened Interval (ft)	25.5-50.5 bgs	Well Diameter (in):	2"
Date:	10/28/09	Pump Intake Depth (ft)	~45' bgs	Static Water Level (ft):	36.23' BTOC
Sample ID	MW-B-4Q-Camp	Purging/ Sample Device:	peristaltic	Total Well depth (ft):	54.77 BTOC
Time:	0815	PID Reading at TOC:		Water Column Length:	18.54
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	49517	Samplers Name:	M. Schmidt, C. Cabos
MS/MSD ID:	—	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 50 CPM 1 ID: 6
Analysis:	VOCs	Water Quality Meter Serial #:	6006042	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	10/28/09 0735		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0745	Start pump										
0753	.5	100	36.33	11.0	5.92	19.8	1.89	165	370	0.4	50 psi 7 620
0758	1.0	100	36.38	10.8	5.91	20.5	1.64	157	310	0.6	7
0801	1.3	100	36.41	10.7	5.83	20.8	1.52	152	30	0.6	7
0804	1.6	100	36.41	10.7	5.76	21.0	1.46	147	250	0.4	7
8807	1.9	100	36.41	10.7	5.71	21.1	1.52	145	250	0.6	7
0810	2.2	100	36.41	10.7	5.68	21.4	1.54	143	250	0.4	7
0815	Commence Sampling										
1130	Sampling Complete		36.51								

Comments:

Maximum permissable drawdown = 2.19 ft BTOC, water level not to draw down below 38.42 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Page___of___ **Monitoring Well Low-Flow Purge/Sampling Form** Project: BAC - Carson

Well ID: AA-BW-07A
Date: 10/28/09
Sample ID: AA-BW-07A-YR.CARSON
Time: 1200
Dup ID: —
Rinsate ID: —
MS/MSD ID: —
Analysis: VARIOUS

Screened Interval (ft): 32'-52' BTOC
Pump Intake Depth (ft): ~48' BTOC
Purging/ Sample Device: Dedicated
PID Reading at TOC:
Water Level Instrument: Solinst
WLI Serial #: 49517
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 666042
WQM Calibrated Date & Time: 10/28/09 0735

Well Diameter (in): 4"
Static Water Level (ft): 39.31' BTOC
Total Well depth (ft): 54.45' BTOC
Water Column Length: 15.14
Minimum Purge Volume:
Samplers Name: M. Schmidt, C. Cobos
Optimal Pump Setting: PSI 70 CPM 4 ID: 103
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1143	START pump										
1145	.5	500	39.31	5.62	6.69	23.6	4.52	380	1	0.3	70psi 3.5 103 BD
1148	2.0	500	39.31	5.50	6.81	24.2	3.59	392	Ø	0.3	3.5
1151	3.5	500	39.31	5.45	6.87	24.3	3.48	423	Ø	0.3	3.4
1154	5.0	500	39.31	5.46	6.89	24.2	3.44	426	Ø	0.3	3.4
1157	6.5	500	39.31	5.46	6.91	24.3	3.42	431	Ø	0.3	3.4
1200	Commence Sampling										
1307	Sampling Complete 39.31										

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BLC-Canon

Well ID: AA-GW-08B
Date: 10/29/09
Sample ID: *
Time: *
Dup ID: —
Rinsate ID: —
MS/MSD ID: —
Analysis: *

Screened Interval (ft): 43'-63' bgs
Pump Intake Depth (ft): ~60' bgs
Purging/ Sample Device: Dedicated
PID Reading at TOC:
Water Level Instrument: Solinst
WLI Serial #: 49517
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 606042
WQM Calibrated Date & Time: 10/29/09 0750

Well Diameter (in): 4"
Static Water Level (ft): 51.40' BTOC
Total Well depth (ft): 65.40' BTOC
Water Column Length: 14.00
Minimum Purge Volume:
Samplers Name: M. Schmeltz
Optimal Pump Setting: PSI 70 CPM 3 ID: BZ
Low-Flow or Net Purge: *

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0758	Start pump										
0759	.5	500	51.40	46.3	6.21	25.2	0.72	-247	57	3.0	70psi 28 BZFO
0802	2.0	500	51.40	46.8	6.44	25.7	0.35	-264	8	3.1	29
0805	3.5	500	51.40	46.7	6.49	25.8	0.32	-267	6	3.0	28
0808	5.0	500	51.40	41.9	6.65	25.8	0.29	-264	6	2.7	25
0811	6.5	500	51.40	34.3	6.96	25.9	0.27	-257	6	2.2	21
0814	8.0	500	51.40	34.0	6.98	25.9	0.26	-257	6	2.2	21
0817	9.5	500	51.40	33.9	7.00	25.9	0.24	-257	6	2.1	21
0820	11.0	500	51.40	33.8	7.01	25.9	0.24	-259	6	2.1	21

Comments: * Field parameters only

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	MCF-08B	Screened Interval (ft)	77'-87' BGS	Well Diameter (in):	4"
Date:	10/25/05	Pump Intake Depth (ft)	~82' BGS	Static Water Level (ft):	49.63' BTOC
Sample ID	*	Purging/ Sample Device:	peristaltic	Total Well depth (ft):	89.16' BTOC
Time:	*	PID Reading at TOC:		Water Column Length:	39.53
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	49517	Samplers Name:	M. Schmidt
MS/MSD ID:	—	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 60 CPM 2 ID: 4½
Analysis:	*	Water Quality Meter Serial #:	606042	Low-Flow or Net Purge:	*
		WQM Calibrated Date & Time:	10/25/05 0950		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0824	START PUMP										
0832	.5	100	49.96	1.74	7.09	23.1	2.56	-81	38	0.1	60psi 1.2 4½ID
0835	.8	100	50.10	1.57	7.09	23.8	1.61	-86	30	0.1	1.0
0838	1.1	100	50.22	1.55	7.09	24.0	0.98	-91	31	0.1	1.0
0842	1.4	100	50.62	1.48	7.13	24.2	0.54	-99	33	0.1	0.9
0847	1.9	100	50.82	1.45	7.12	24.4	0.47	-101	34	0.1	0.9
0850	2.2	100	50.85	1.43	7.12	24.6	0.45	-103	34	0.1	0.9
0853	2.5	100	51.12	1.44	7.12	24.4	0.45	-107	38	0.1	0.9
0856	2.8										

Comments: * Field parameters only

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Page___of___ **Monitoring Well Low-Flow Purge/Sampling Form** Project: BLL-Camus

Well ID: AA-BW-08A
Date: 10/29/09
Sample ID: AA-BW-08A-40-Camus
Time:
Dup ID: —
Rinsate ID: —
MS/MSD ID: —
Analysis: Various

Screened Interval (ft): 37.5'-57.5 bgs
Pump Intake Depth (ft): ~57' bgs
Purging/ Sample Device: Dedicated
PID Reading at TOC:
Water Level Instrument: Solinst
WLI Serial #: 49517
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 606042
WQM Calibrated Date & Time: 10/29/09 0750

Well Diameter (in): 4"
Static Water Level (ft): 50.74 BTOC
Total Well depth (ft): 60.40 BTOC
Water Column Length: 9.64
Minimum Purge Volume:
Samplers Name: M. Schmidt
Optimal Pump Setting: PSI 60 CPM 3 ID: 80
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/l.
0937	Start pump										
0941	.5	500	50.81	24.8	6.69	25.1	0.96	-208	26	1.5	60psi 1/4 80 RD
0949	3.0	500	50.81	25.8	6.91	25.2	0.23	-247	34	1.6	1/6
0952	4.5	500	50.81	25.9	6.92	24.9	0.23	-243	34	1.6	1/6
0955	6.0	500	50.81	25.9	6.93	24.5	0.25	-242	34	1.6	1/6
1000	Complete Sampling										
1105	Sampling Complete		50.81								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Page___of___ **Monitoring Well Low-Flow Purge/Sampling Form** Project: BEC-CARW

Well ID: AA-BW-09A
Date: 10/29/09
Sample ID: AA-BW-09A-10CARW
Time:
Dup ID: —
Rinsate ID: —
MS/MSD ID: —
Analysis: VARIOUS

Screened Interval (ft): 33'-53' BTOC
Pump Intake Depth (ft): ~52' BTOC
Purging/ Sample Device: DEDICATED
PID Reading at TOC:
Water Level Instrument: SOLINST
WLI Serial #: 49577
Water Quality Meter: HORIBA U-22
Water Quality Meter Serial #: 606042
WQM Calibrated Date & Time: 10/29/09 0750

Well Diameter (in): 4"
Static Water Level (ft): 48.70
Total Well depth (ft): 55.25
Water Column Length: 6.55
Minimum Purge Volume:
Samplers Name: M. Schmidt
Optimal Pump Setting: PSI 50 CPM 2 ID: 44
Low-Flow or Net Purge: LOW FLOW

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1113	START PUMP										
1115	.2	100	48.72	62.1	6.82	22.9	3.52	-5	15	>4.0	37
1118	.5	100	48.75	62.7	6.63	23.1	2.28	-0	19	>4.0	38
1121	.8	100	48.80	63.1	6.54	23.4	1.36	9	23	>4.0	50 psi 38 44 ED
1124	1.1	100	48.80	63.3	6.52	23.5	1.08	14	24	>4.0	38
1127	1.4	100	48.80	63.4	6.50	23.6	0.82	24	26	>4.0	38
1130	1.7	100	48.81	63.4	6.49	23.6	0.79	25	26	>4.0	38
1133	2.0	100	48.81	63.4	6.49	23.6	0.77	25	27	>4.0	38
1140	COMMENCE SAMPLING										
1535	SAMPLING COMPLETE		48.89								

Comments:

Maximum permissable drawdown = 0.8 ft BTOC, water level not to draw down below 49.5 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Page___of___ **Monitoring Well Low-Flow Purge/Sampling Form** Project: BEC-Camu

Well ID: AA-BW-07A
Date: 11/3/09
Sample ID: AA-BW-07A-4611-Camu
Time: 0830
Dup ID: —
Rinsate ID: —
MS/MSD ID: —
Analysis: VARIOUS

Screened Interval (ft):
Pump Intake Depth (ft):
Purging/ Sample Device: Bladder Pump
PID Reading at TOC:
Water Level Instrument: Solinst
WLI Serial #: 49517
Water Quality Meter: YSI Quatro-Pro
Water Quality Meter Serial #: 10013
WQM Calibrated Date & Time: 11/3/09 0800

Well Diameter (in):
Static Water Level (ft): 39.30' BTOC
Total Well depth (ft):
Water Column Length:
Minimum Purge Volume:
Samplers Name:
Optimal Pump Setting: PSI 50 CPM 9 ID: 10.3
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0805	START Pump										
0810	1.2	400	39.35	5.79	6.93	24.26	3.58	433	60.3	0.3	50psi 3.6 10.3 FD
0813	2.4	400	39.35	5.79	7.40	24.33	3.46	431	10.2	0.3	3.6
0816	3.6	400	39.35	5.78	7.65	24.31	3.42	435	3.0	0.3	3.6
0819	4.9	400	39.35	5.78	7.70	24.33	3.40	435	7.4	0.3	3.6
0822	6.1	400	39.35	5.78	7.75	24.33	3.43	436	3.0	0.3	3.6
0825	7.3	400	39.35	5.79	7.77	24.35	3.45	437	1.6	0.3	3.6
0830	Collect Samples										
0845	Sample Complete By 35										

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

* RE-Sample for PCB's And Dioxin/Furans

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC CAMU

Well ID:	AA-BW-12A	Screened Interval (ft)	49-69	Well Diameter (in):	4"
Date:	11-13-09	Pump Intake Depth (ft)	59	Static Water Level (ft):	50.44
Sample ID	AA-BW-12A	Purging/ Sample Device:	Dedicated Pump	Total Well depth (ft):	71.50
Time:	0840	PID Reading at TOC:	N/A	Water Column Length:	21.06
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	49517	Samplers Name:	C. Cobos
MS/MSD ID:	—	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 50 CPM 3 ID: 84
Analysis:	Various	Water Quality Meter Serial #:	T610013	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	11-13-09 0805		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
START 0819	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0822	1	330	50.46	12.8	7.54	23.01	8.87	-210	197.0	0.7	8
0825	2	330	50.46	9.4	7.60	25.57	0.07	-272	-5.0	0.5	6
0828	3	330	50.46	9.2	7.62	25.72	.00	-291	-5.0	0.5	6
0831	4	330	50.46	9.2	7.63	25.75	.00	-292	-5.0	0.5	6
0834	5	330	50.46	9.2	7.63	25.75	.00	-291	-5.0	0.5	6
0840	Sample	taken									
0952	Sample	complete	50.45								

Comments: Purge water was very dark gray, Almost black in color.

Maximum permissable drawdown = 2.50 ft BTOC, water level not to draw down below 52.94 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC CAMU

Well ID:	MCF-BW-11A	Screened Interval (ft)	57-72	Well Diameter (in):	4"
Date:	11-13-09	Pump Intake Depth (ft)	64	Static Water Level (ft):	48.03
Sample ID	MCF-BW-11A	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	74.35
Time:	1100	PID Reading at TOC:	N/A	Water Column Length:	
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	49517	Samplers Name:	L. Lobos
MS/MSD ID:	—	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 40 CPM 2 ID: 46
Analysis:	Various	Water Quality Meter Serial #:	T610013	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	11-13-09 0805		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
START 1021	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1026	.5	100ml	48.31	1.60	8.69	23.76	3.98	25	68.4	0.1	1.0
1031	1.0	100ml	48.42	1.54	8.44	24.54	2.81	40	37.3	0.1	1.0
1036	1.5	100ml	48.49	1.53	8.28	24.75	2.66	47	0.0	0.1	1.0
1041	2.0	100ml	48.49	1.53	8.26	24.76	2.62	49	0.0	0.1	1.0
1046	2.5	100ml	48.50	1.52	8.24	24.71	2.61	51	0.0	0.1	1.0
1051	3.0	100ml	48.50	1.52	8.25	24.69	2.59	53	0.0	0.1	1.0
1100	Sample	taken									
1421	Sample	complete	48.72								

Comments:

Maximum permissable drawdown = 1.75 ft BTOC, water level not to draw down below 49.78 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC CAMU

Well ID:	H-21R	Screened Interval (ft)	40-50	Well Diameter (in):	4"
Date:	11-16-09	Pump Intake Depth (ft)	45	Static Water Level (ft):	31.94
Sample ID	H-21R	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	66.50
Time:	1230	PID Reading at TOC:	N/A	Water Column Length:	34.56
Dup ID:	___	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	___	WLI Serial #:	49517	Samplers Name:	C. Cobos
MS/MSD ID:	___	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 3 ID: 84
Analysis:	SVOC	Water Quality Meter Serial #:	T6100013	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	11-16-09 1000		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
START 1213	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1216	1	330	31.94	17.8	7.71	24.73	.65	-208	0.0	1.1	11
1219	2	330	31.94	19.8	7.73	25.56	.08	-235	0.0	1.2	12
1222	3	330	31.94	20.5	7.75	25.89	.00	-254	0.0	1.2	13
1225	4	330	31.94	20.6	7.75	25.92	.00	-259	0.0	1.2	13
1228	5	330	31.94	20.6	7.75	25.92	.00	-259	0.0	1.2	13
1230	Sample	taken									
1235	Sample	complete	31.94								

Comments:

Maximum permissable drawdown = 1.25 ft BTOC, water level not to draw down below 33.19 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC CAMU

Well ID:	MC-MW-12	Screened Interval (ft)	100-120	Well Diameter (in):	4"
Date:	11-17-09	Pump Intake Depth (ft)	80/110	Static Water Level (ft):	41.33
Sample ID	MC-MW-12	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	124.30
Time:	0950/1145	PID Reading at TOC:	N/A	Water Column Length:	82.97
Dup ID:	———	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	———	WLI Serial #:	49517	Samplers Name:	C. Cabos
MS/MSD ID:	———	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 60 CPM 2 ID: 46
Analysis:	Various	Water Quality Meter Serial #:	T610013	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	11-17-09 0830		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
START 0921	**Liters**	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0924	.6	200	41.40	1.22	6.27	23.13	2.48	-28	74.3	0.1	0.8
0927	1.2	200	41.45	1.16	7.08	24.24	.41	-96	44.9	0.1	0.7
0930	1.8	200	41.49	1.14	7.11	24.67	.17	-105	34.7	0.1	0.7
0933	2.4	200	41.49	1.14	7.04	24.82	.09	-114	33.6	0.1	0.7
0936	3.0	200	41.50	1.14	7.03	24.85	.00	-122	31.9	0.1	0.7
0939	3.6	200	41.50	1.14	7.02	24.89	.00	-125	31.5	0.1	0.7
0942	4.2	200	41.50	1.14	7.03	24.87	.00	-127	30.9	0.1	0.7
0950	Sample	taken									Sample taken at 80 BTOC
1130	Sample	complete	42.07								
1145	Sample	taken									Sample taken at 110 BTOC
1305	Sample	complete	43.19								

Comments: These were 2 sets of samples collected. The first sample was well water taken at 80 BTOC to avoid DNAPL. I lowered the pump to 110' BTOC to collect DNAPL (PRODUCT) for the second sample

Maximum permissable drawdown = 2.50 ft BTOC, water level not to draw down below 43.83 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

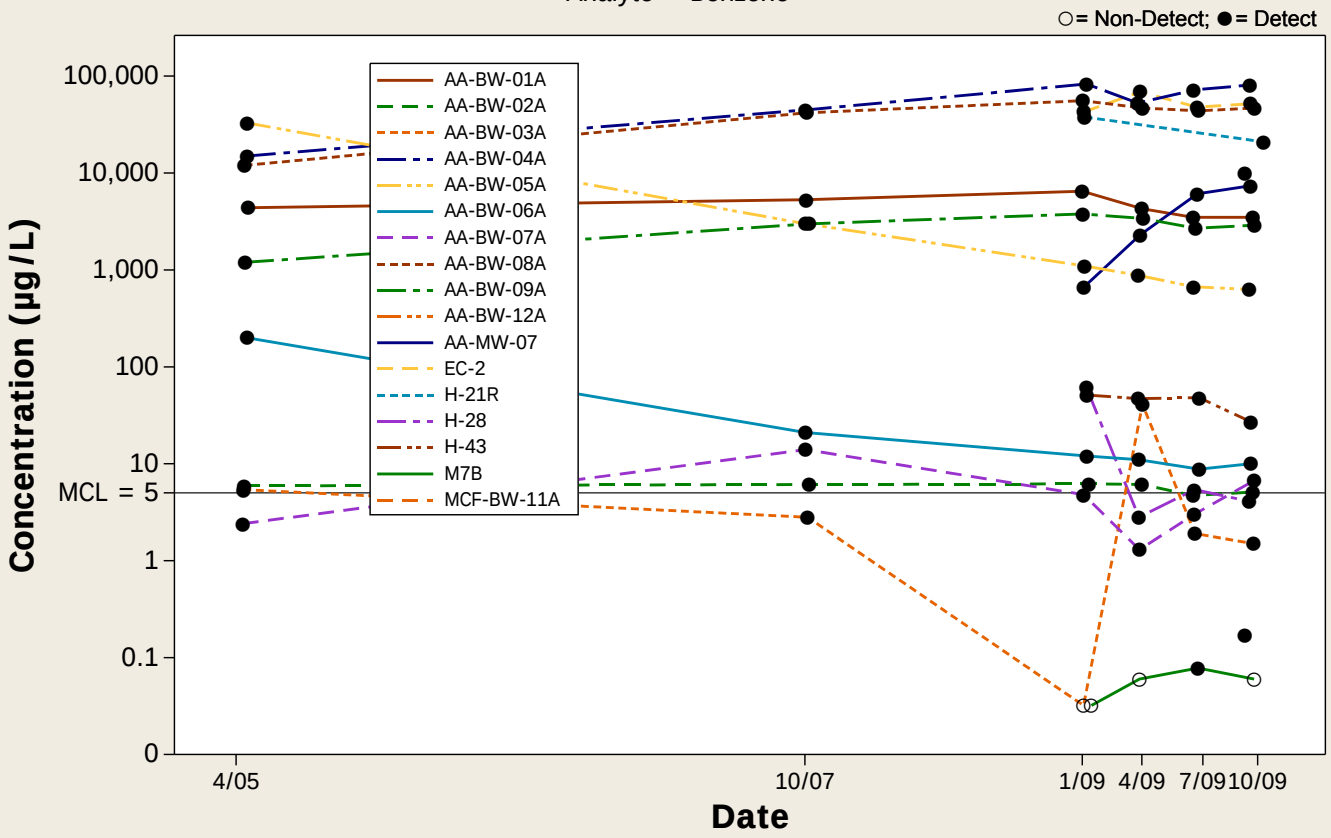
This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

APPENDIX D

CONCENTRATION TREND GRAPHS

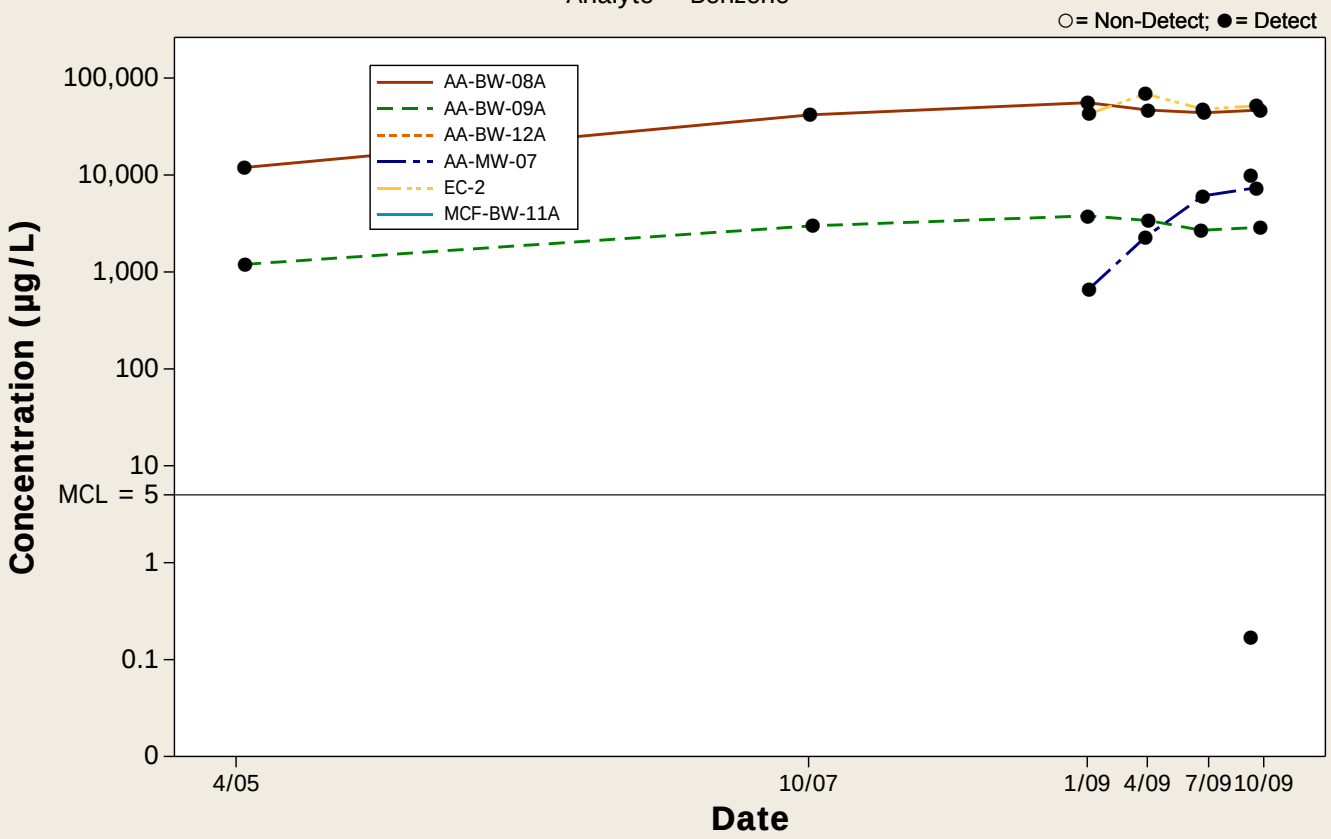
Concentration Trend Graph - All Wells

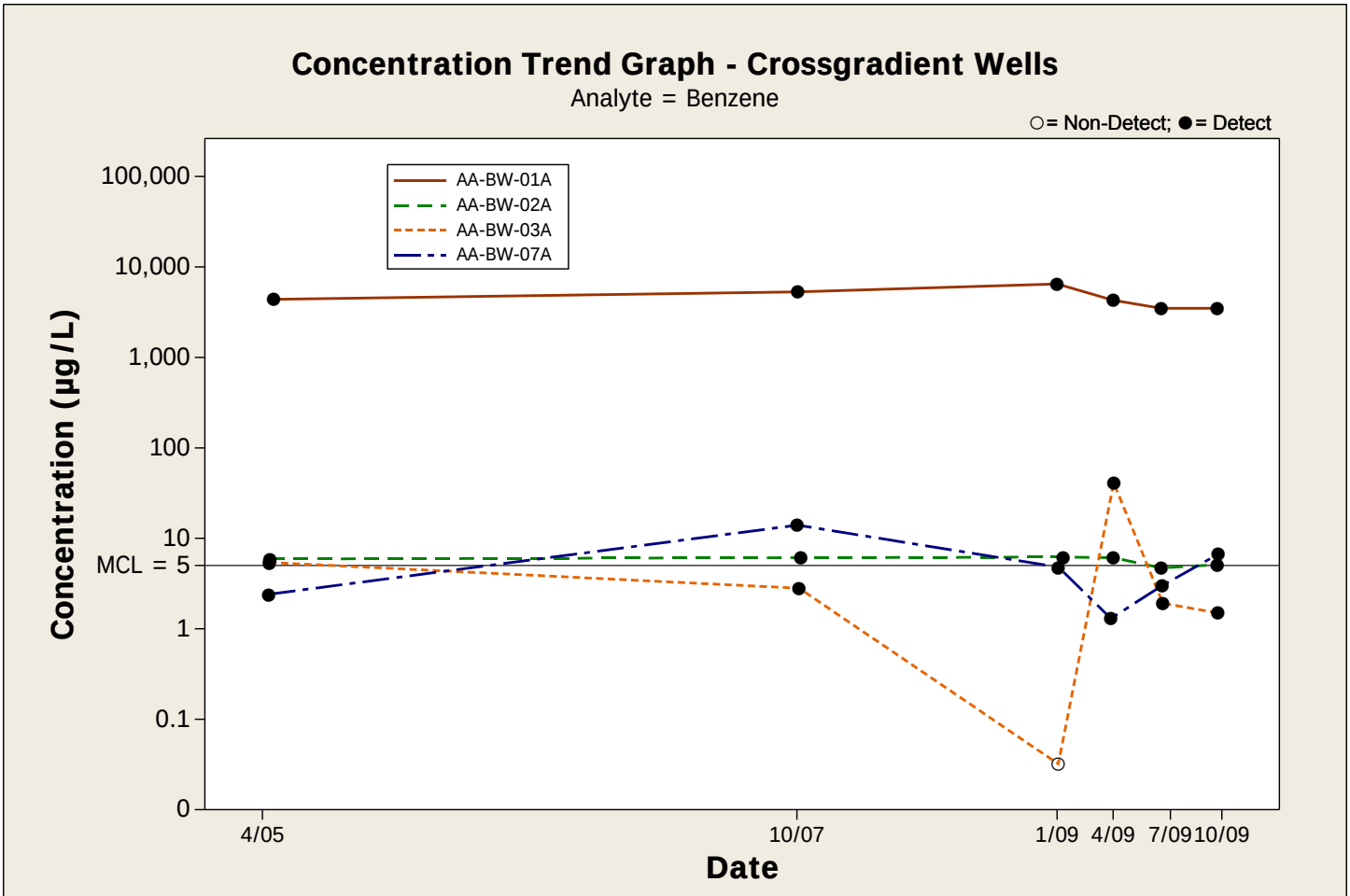
Analyte = Benzene

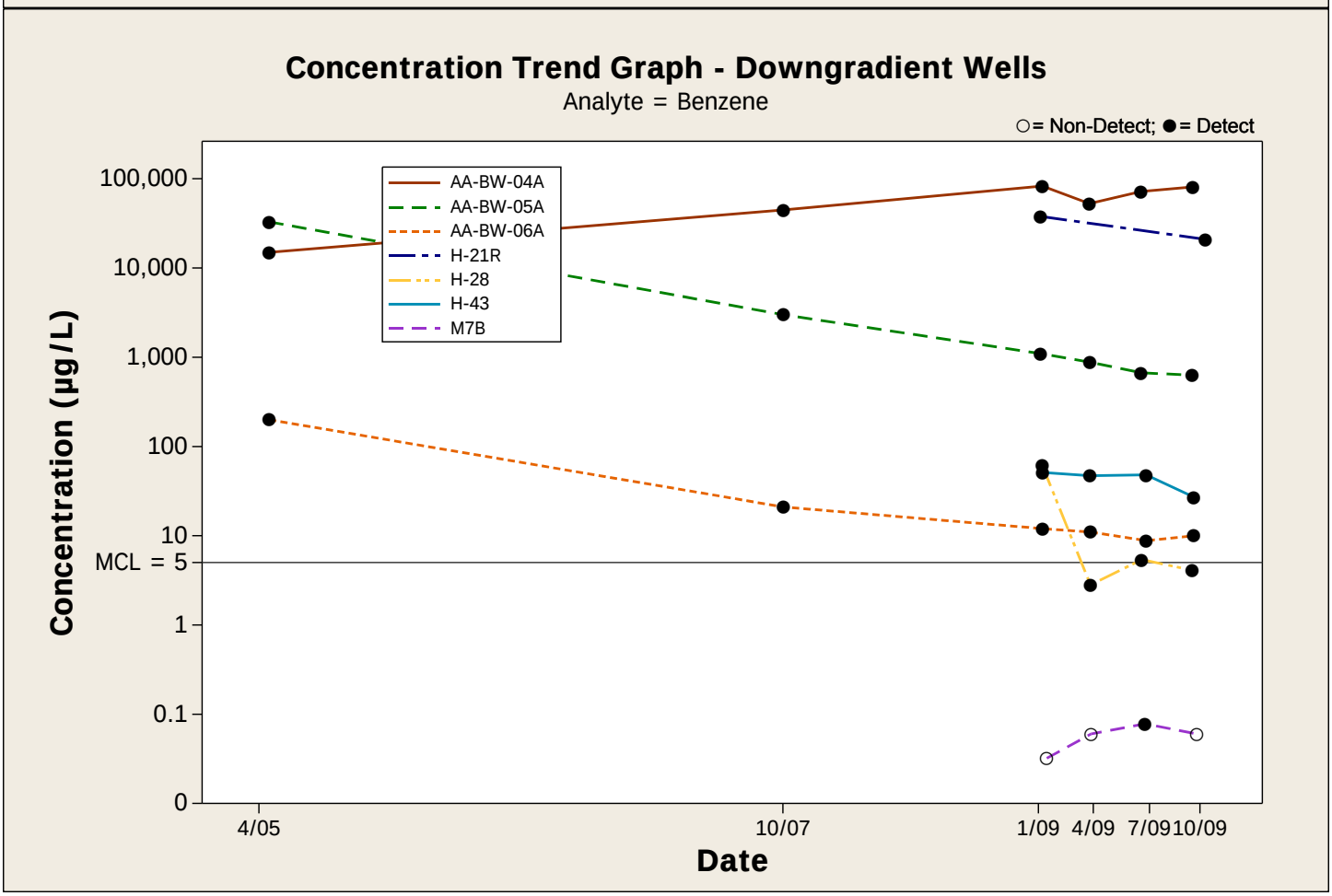


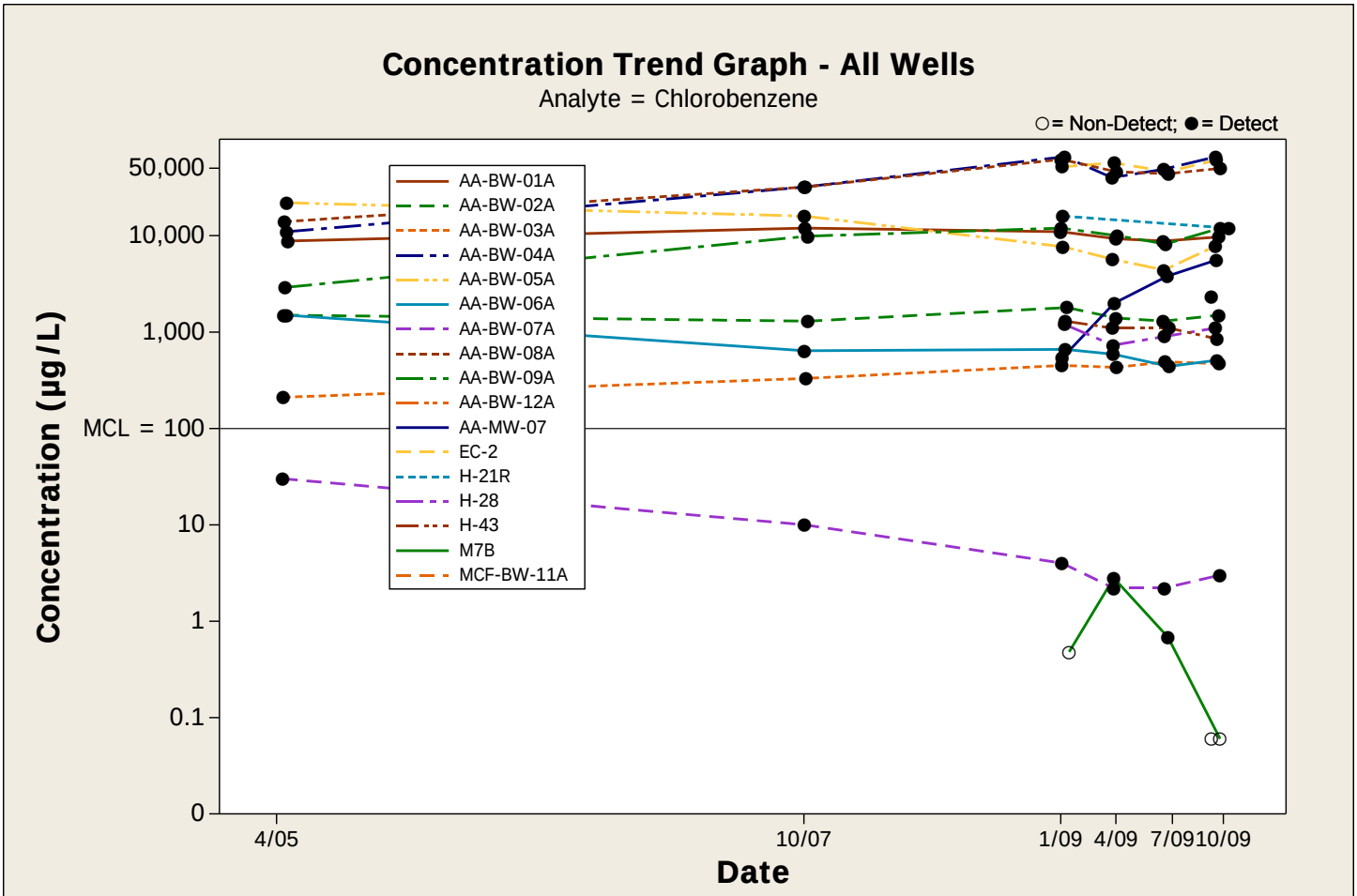
Concentration Trend Graph - Upgradient Wells

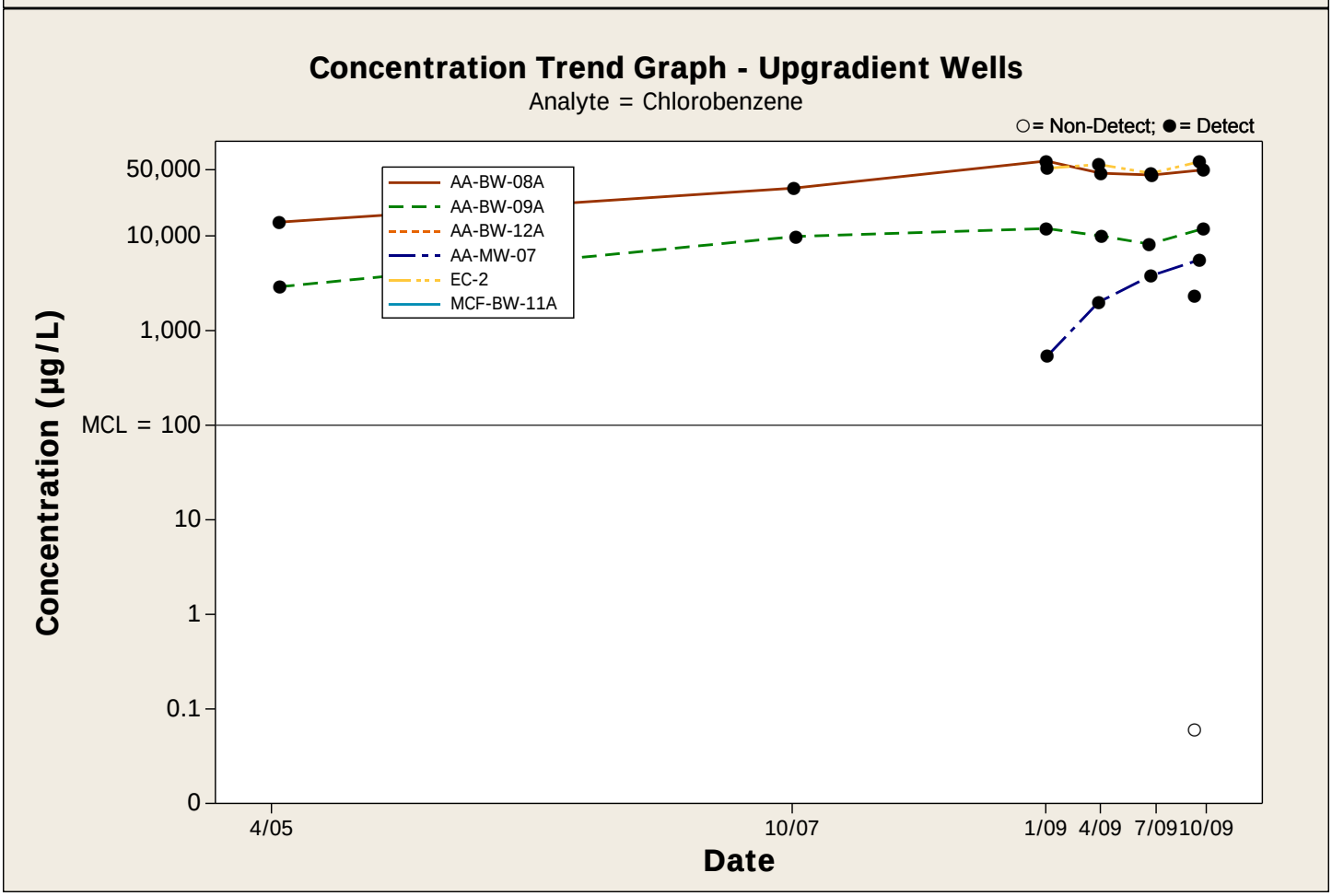
Analyte = Benzene




Concentration Trend Graph - Crossgradient Wells
Analyte = Benzene
○= Non-Detect; ●= Detect
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-07A
100,000
10,000
1,000
100
10
MCL = 5
1
0.1
0
Concentration (µg/L)
4/05
10/07
1/09
4/09
7/09
10/09
Date


Concentration Trend Graph - Downgradient Wells
Analyte = Benzene
○= Non-Detect; ●= Detect
AA-BW-04A
AA-BW-05A
AA-BW-06A
H-21R
H-28
H-43
M7B
100,000
10,000
1,000
100
10
MCL = 5
1
0.1
0
Concentration (µg/L)
4/05
10/07
1/09
4/09
7/09
10/09
Date

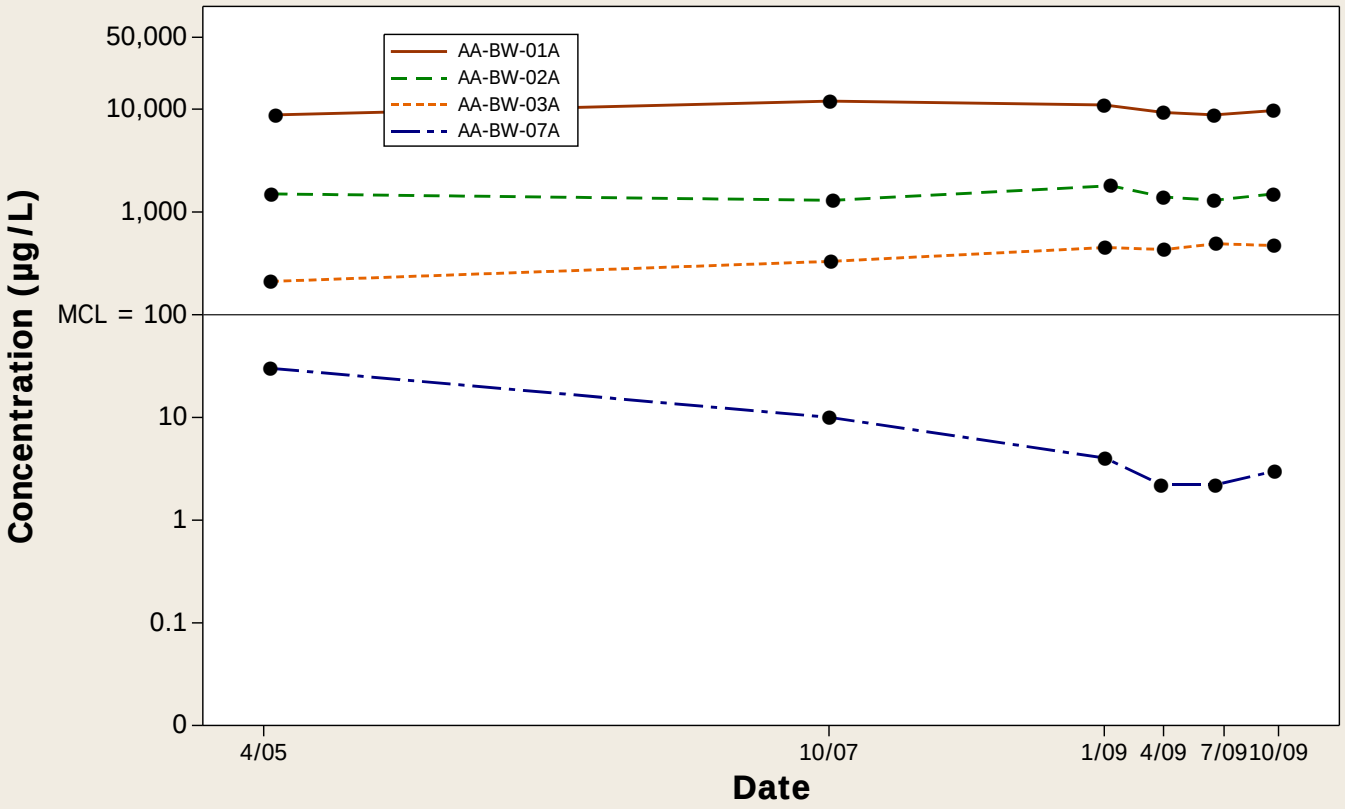

Concentration Trend Graph - All Wells
Analyte = Chlorobenzene
○= Non-Detect; ●= Detect
Concentration (µg/L)
50,000
10,000
1,000
MCL = 100
10
1
0.1
0
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-04A
AA-BW-05A
AA-BW-06A
AA-BW-07A
AA-BW-08A
AA-BW-09A
AA-BW-12A
AA-MW-07
EC-2
H-21R
H-28
H-43
M7B
MCF-BW-11A
4/05
10/07
1/09
4/09
7/09
10/09
Date


Concentration Trend Graph - Upgradient Wells
Analyte = Chlorobenzene
○= Non-Detect; ●= Detect
Concentration (µg/L)
50,000
10,000
1,000
MCL = 100
10
1
0.1
0
AA-BW-08A
AA-BW-09A
AA-BW-12A
AA-MW-07
EC-2
MCF-BW-11A
4/05
10/07
1/09
4/09
7/09
10/09
Date

Concentration Trend Graph - Crossgradient Wells

Analyte = Chlorobenzene

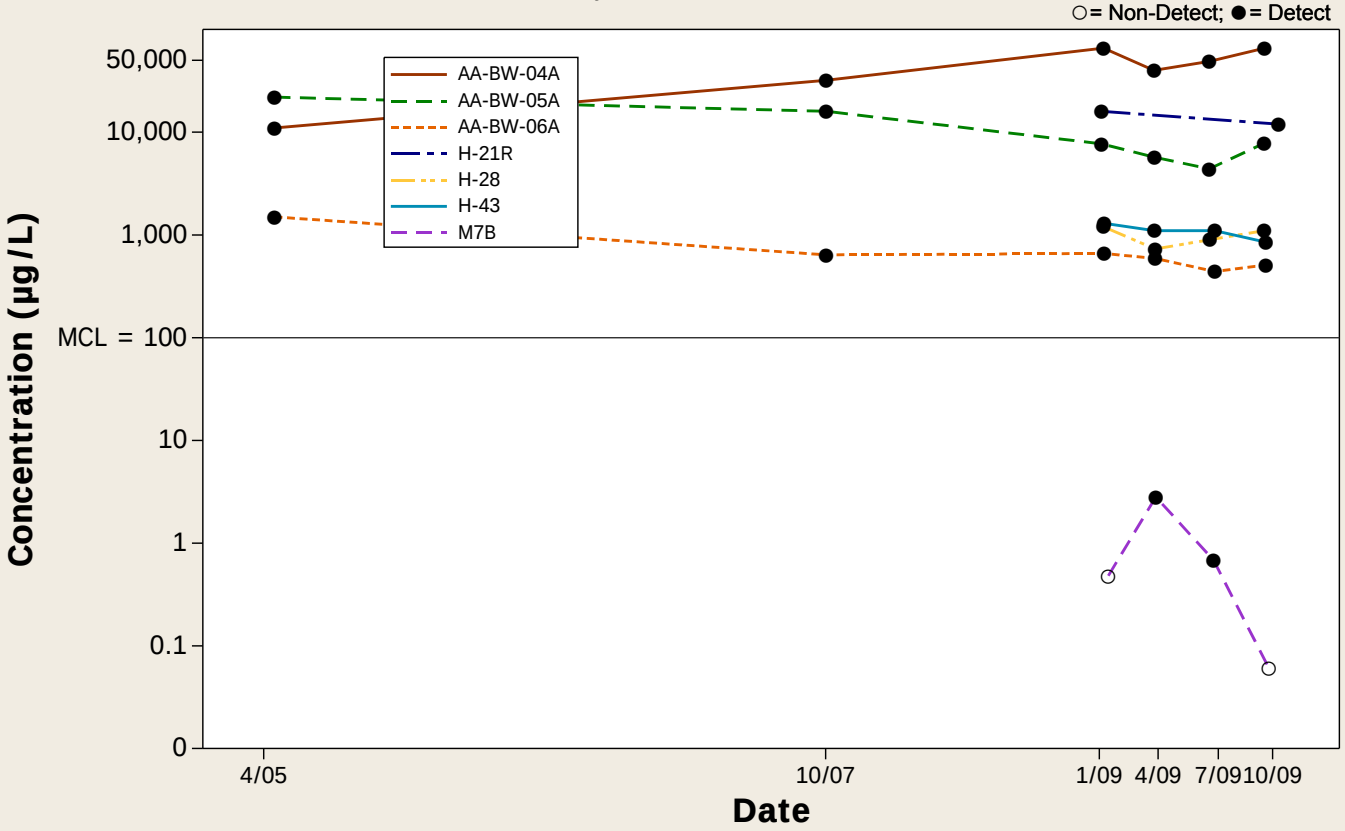
○= Non-Detect; ●= Detect



Concentration Trend Graph - Downgradient Wells

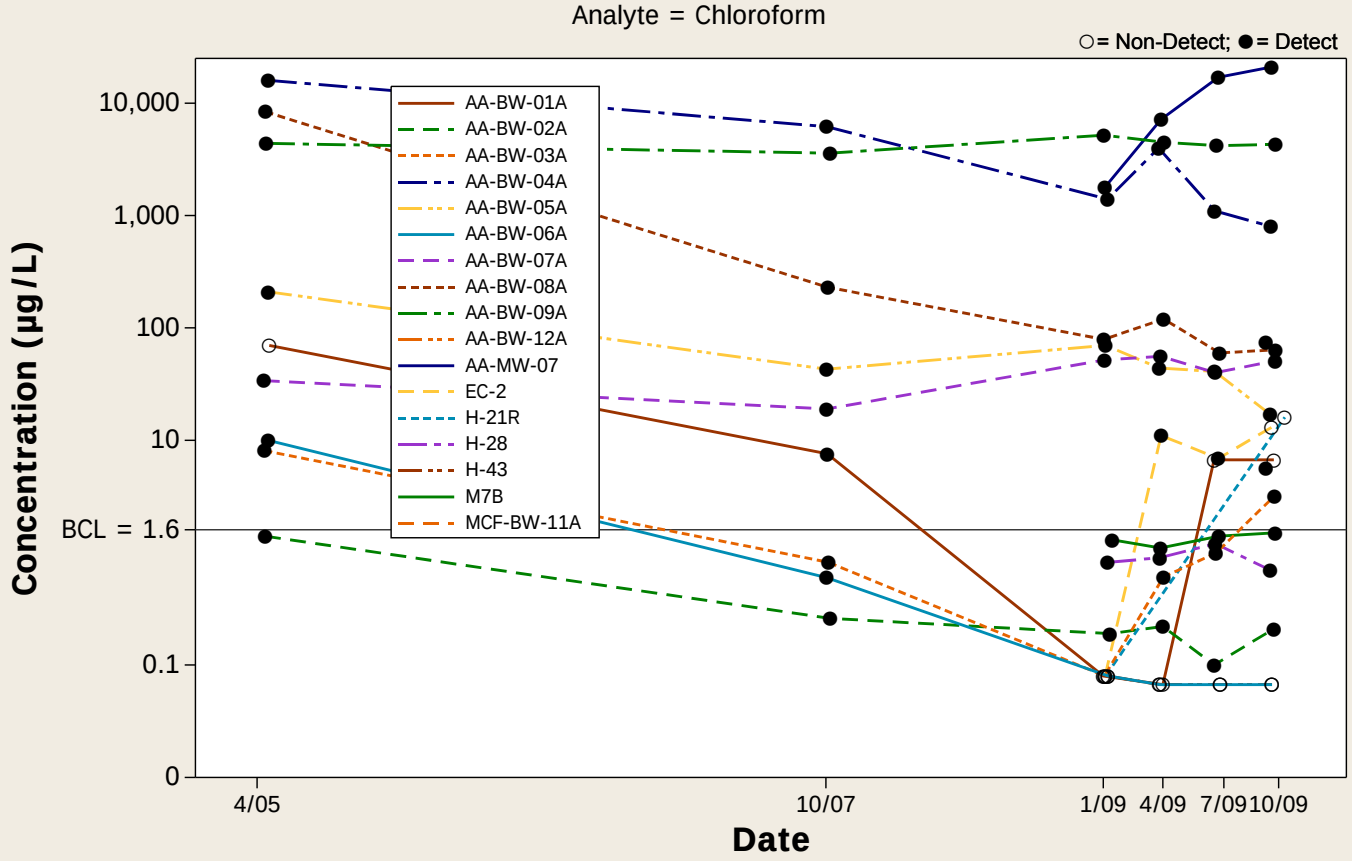
Analyte = Chlorobenzene

○= Non-Detect; ●= Detect



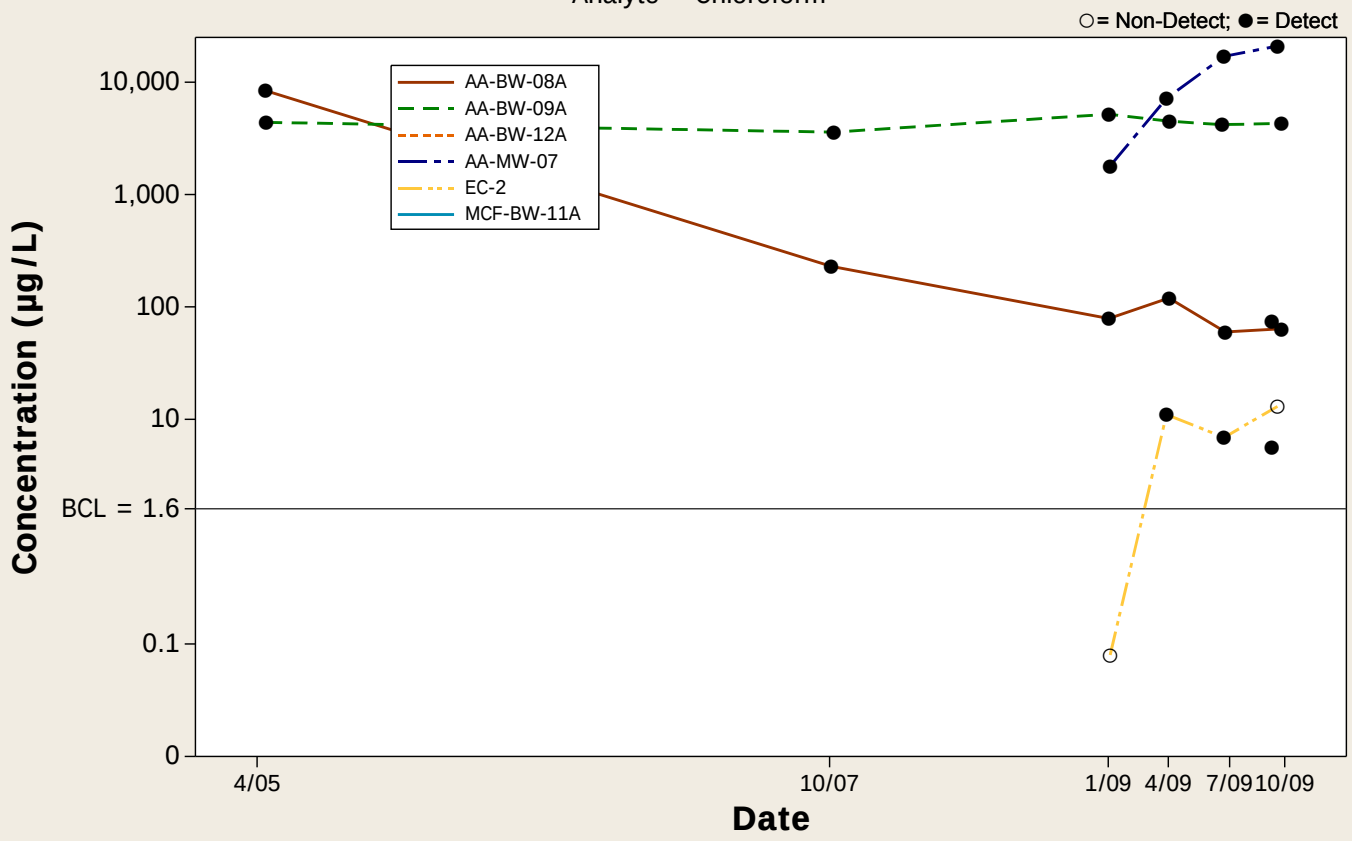
Concentration Trend Graph - All Wells

Analyte = Chloroform



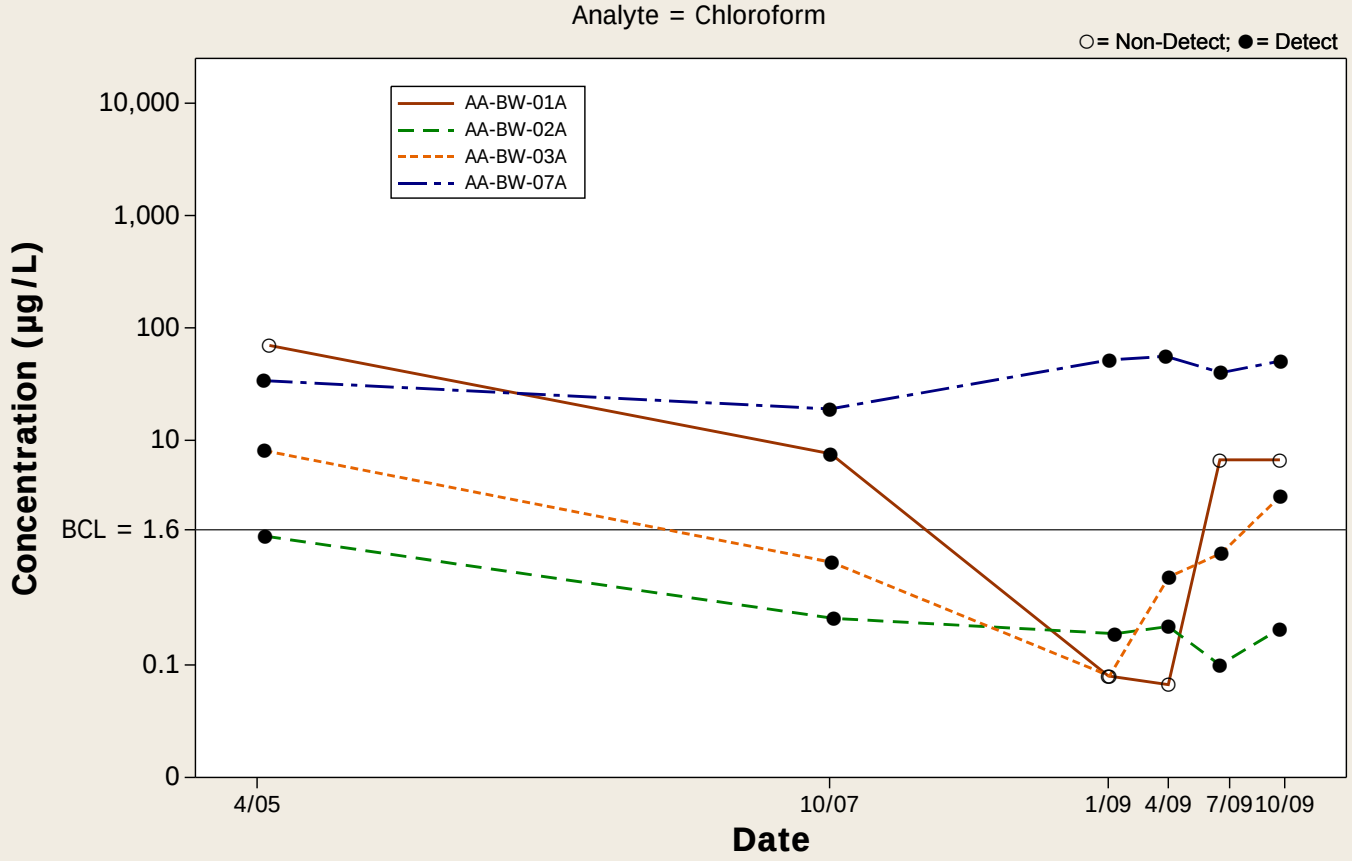
Concentration Trend Graph - Upgradient Wells

Analyte = Chloroform



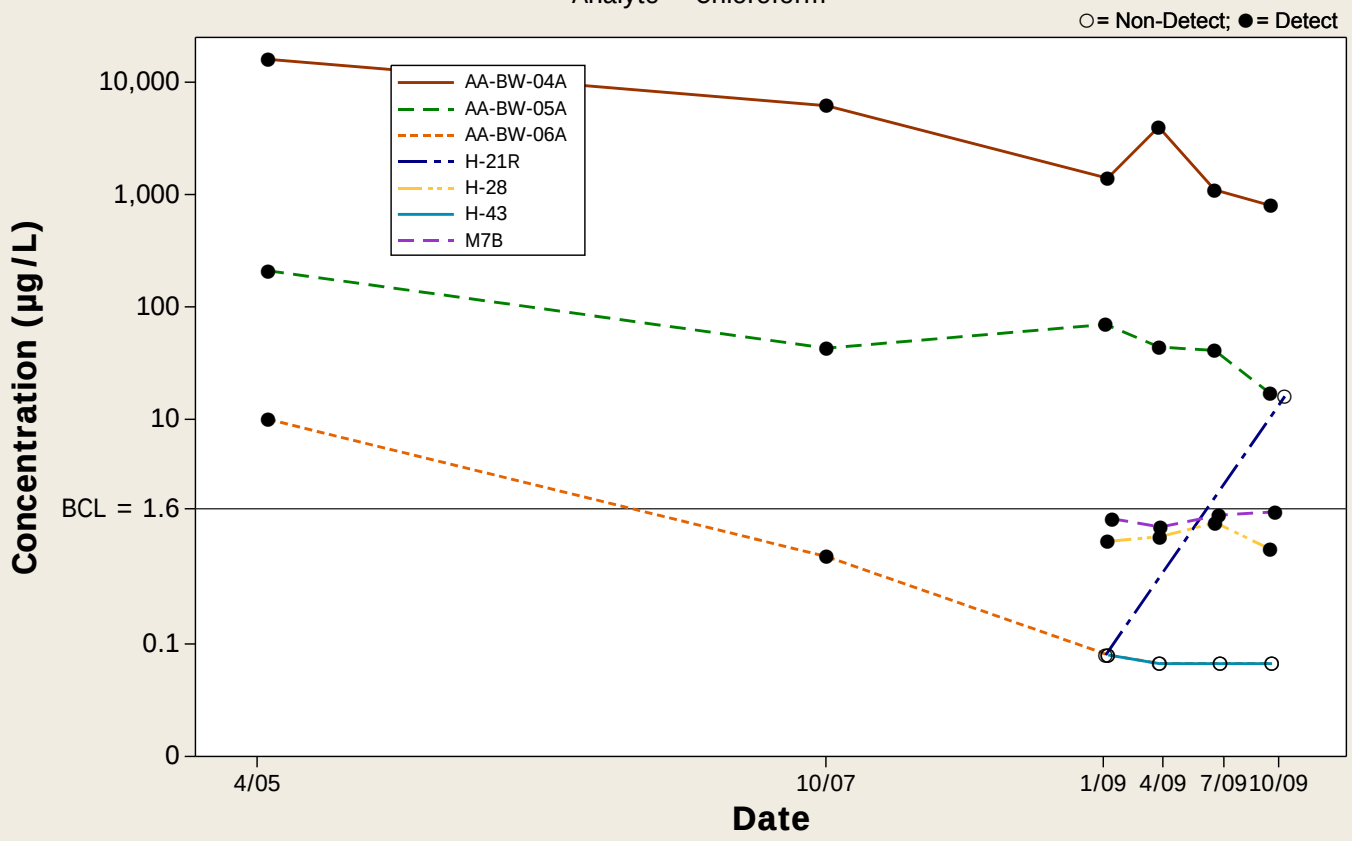
Concentration Trend Graph - Crossgradient Wells

Analyte = Chloroform



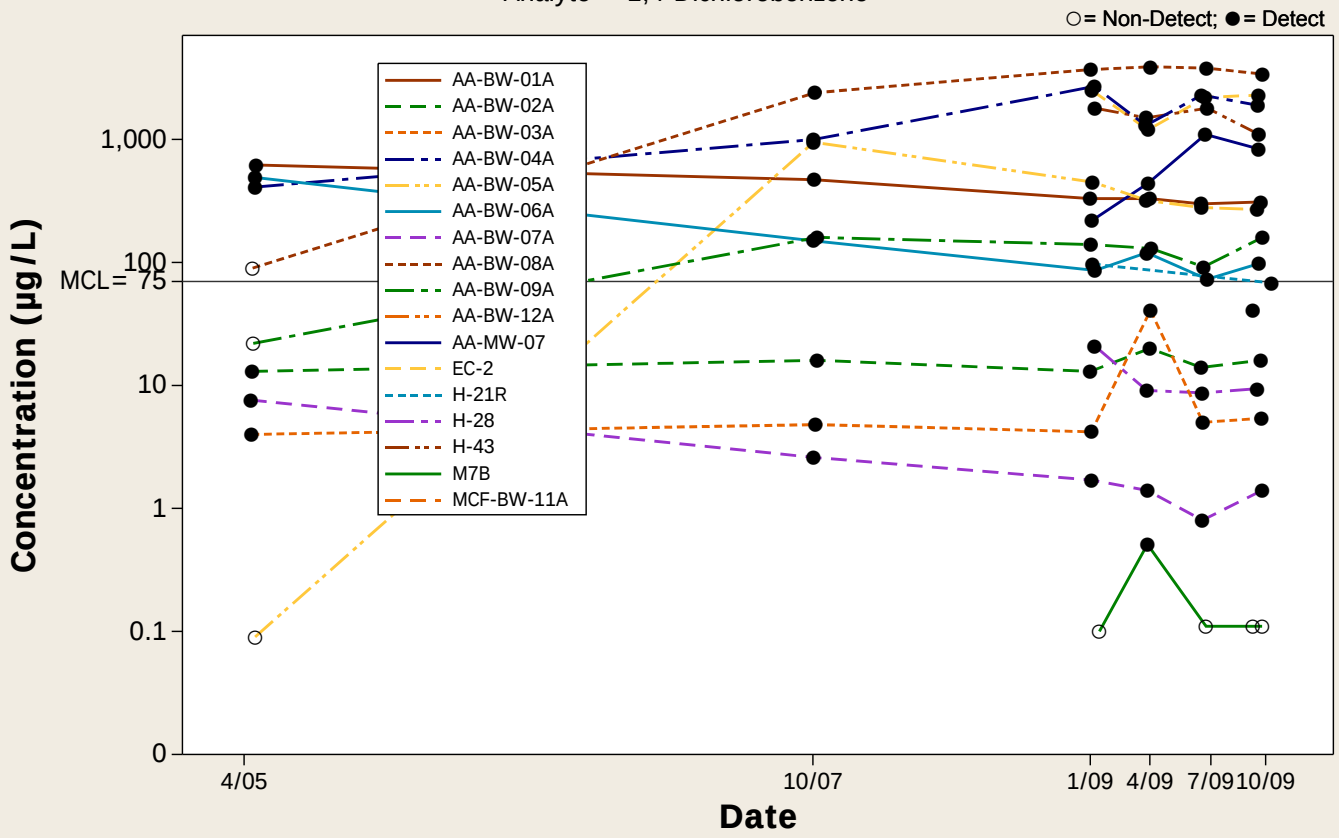
Concentration Trend Graph - Downgradient Wells

Analyte = Chloroform



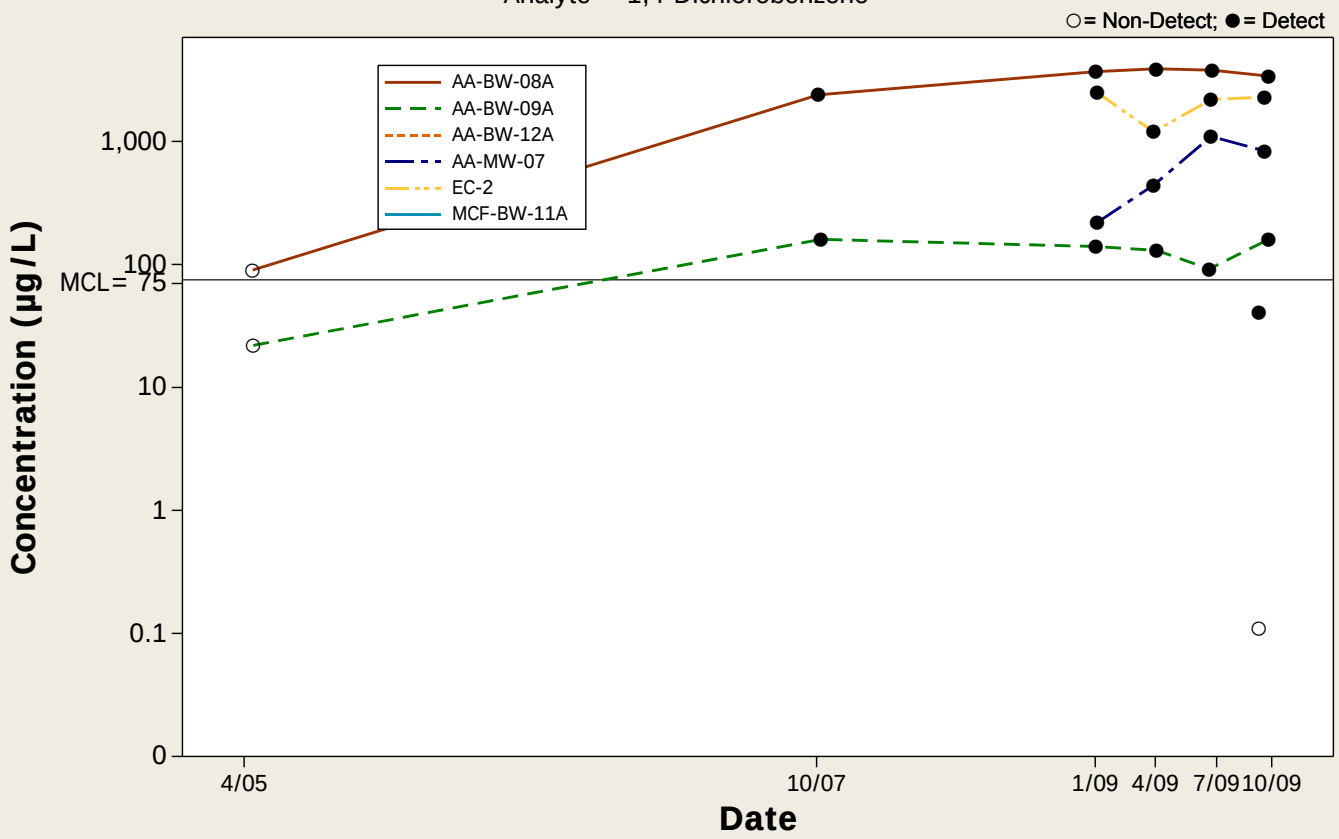
Concentration Trend Graph - All Wells

Analyte = 1,4-Dichlorobenzene



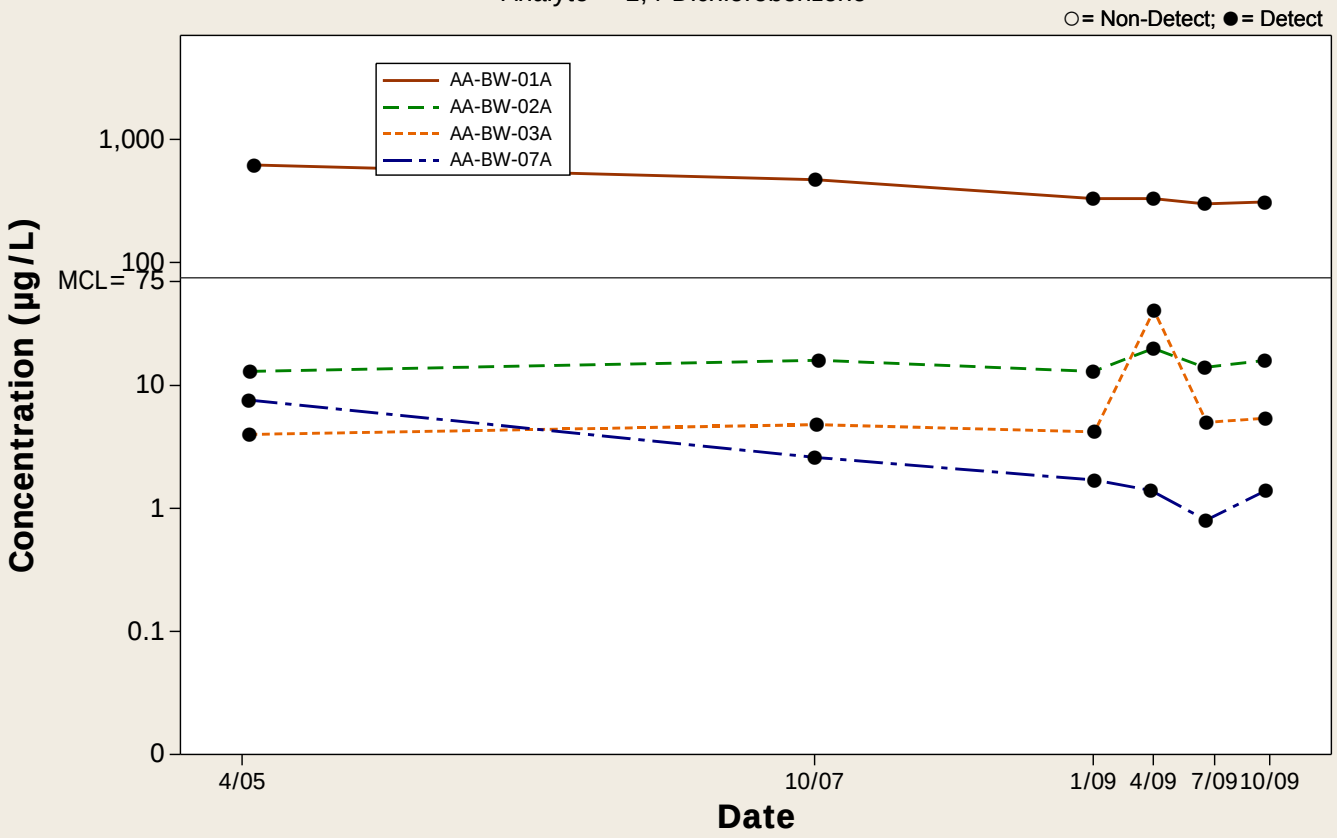
Concentration Trend Graph - Upgradient Wells

Analyte = 1,4-Dichlorobenzene



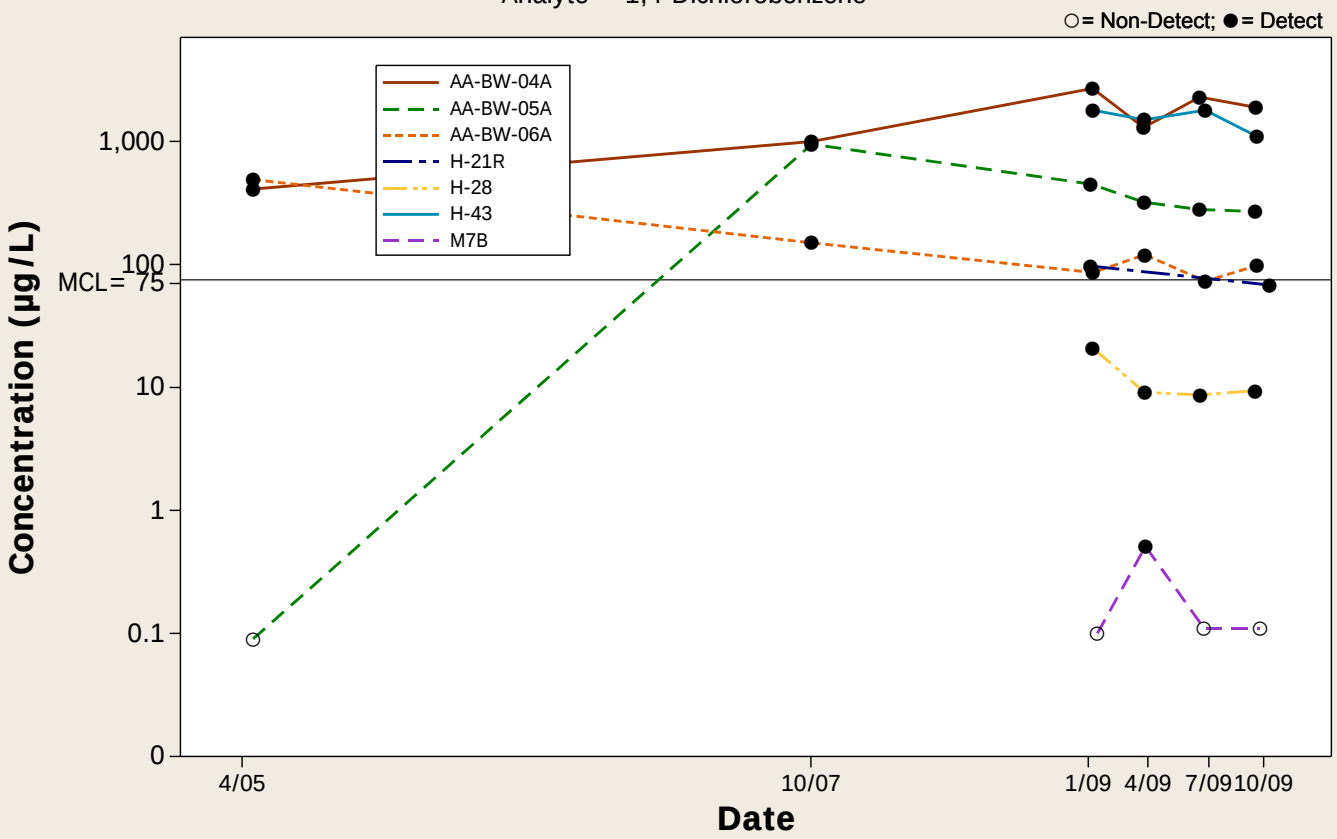
Concentration Trend Graph - Crossgradient Wells

Analyte = 1,4-Dichlorobenzene



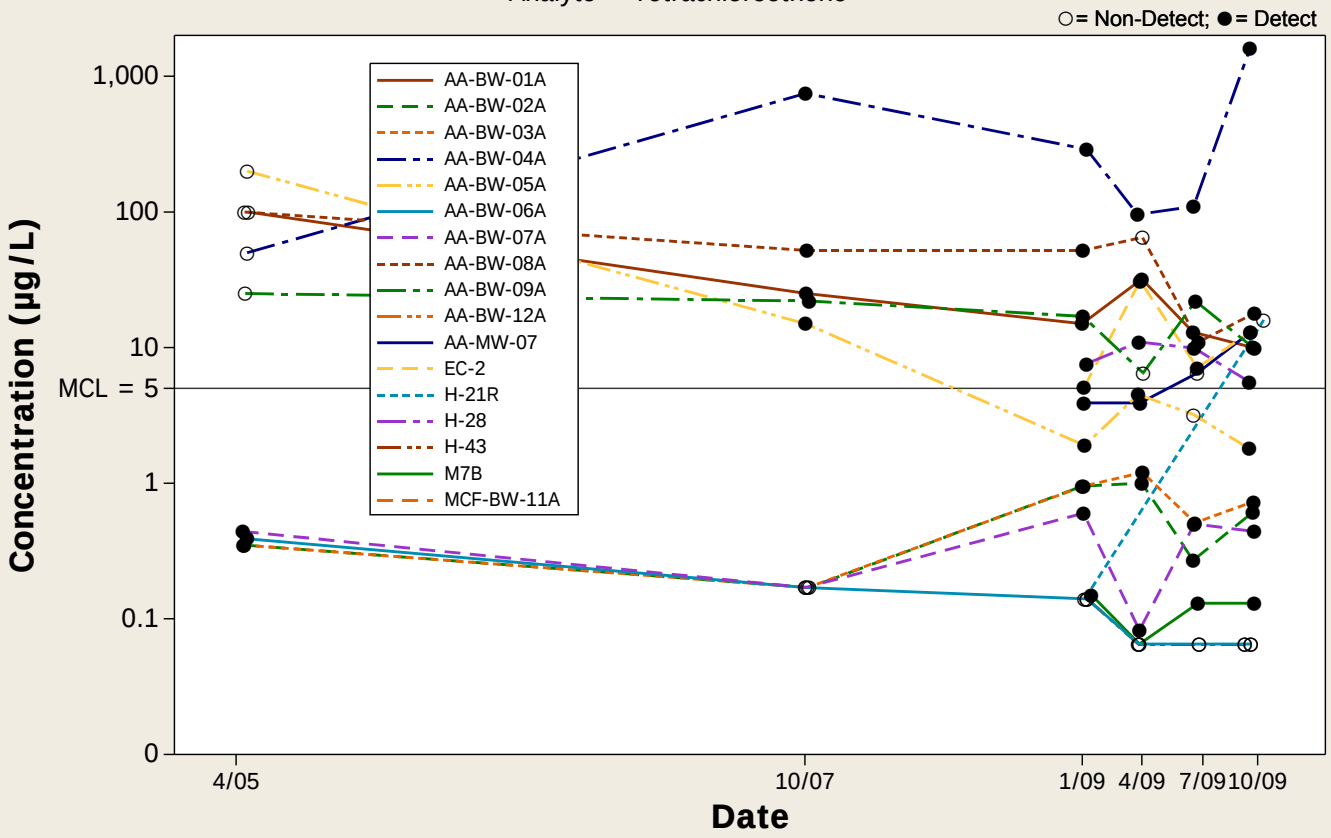
Concentration Trend Graph - Downgradient Wells

Analyte = 1,4-Dichlorobenzene



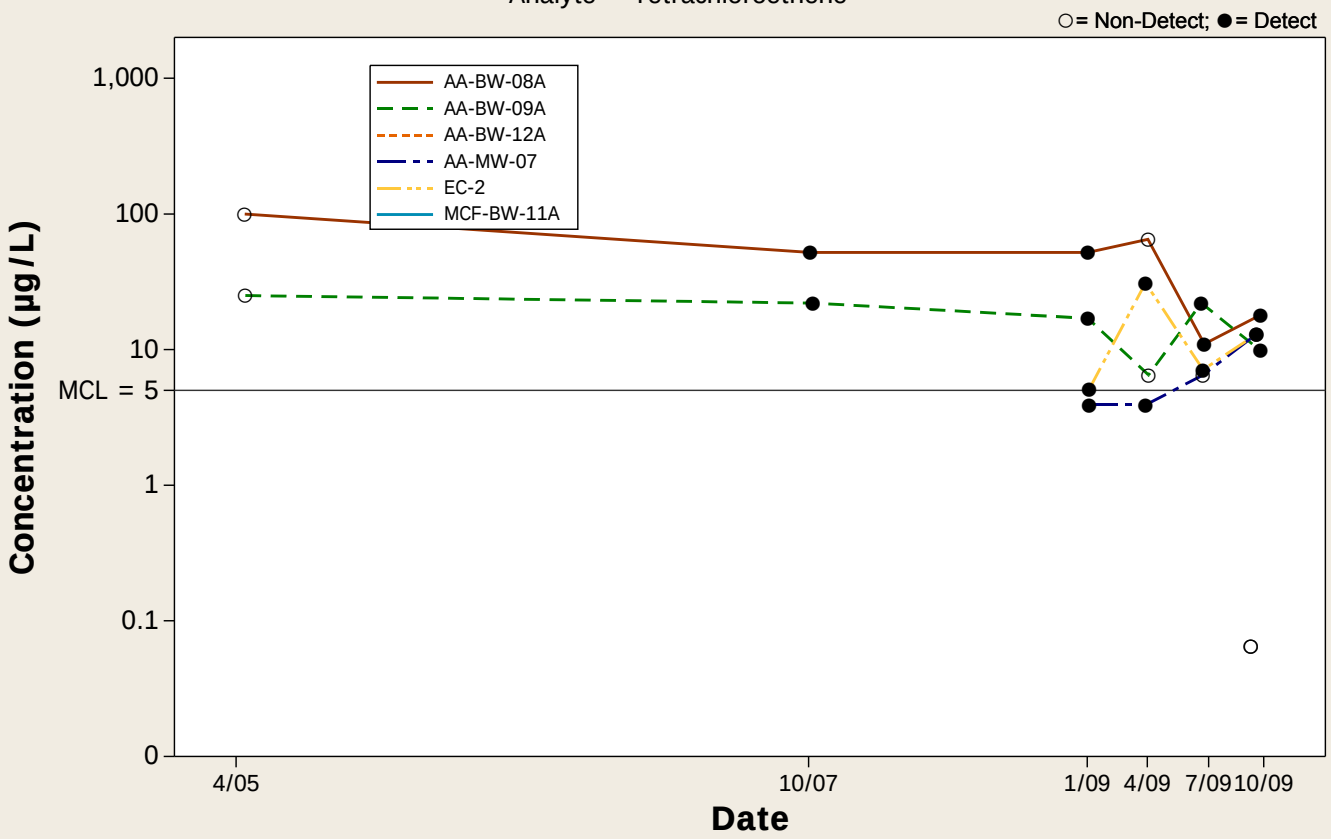
Concentration Trend Graph - All Wells

Analyte = Tetrachloroethene



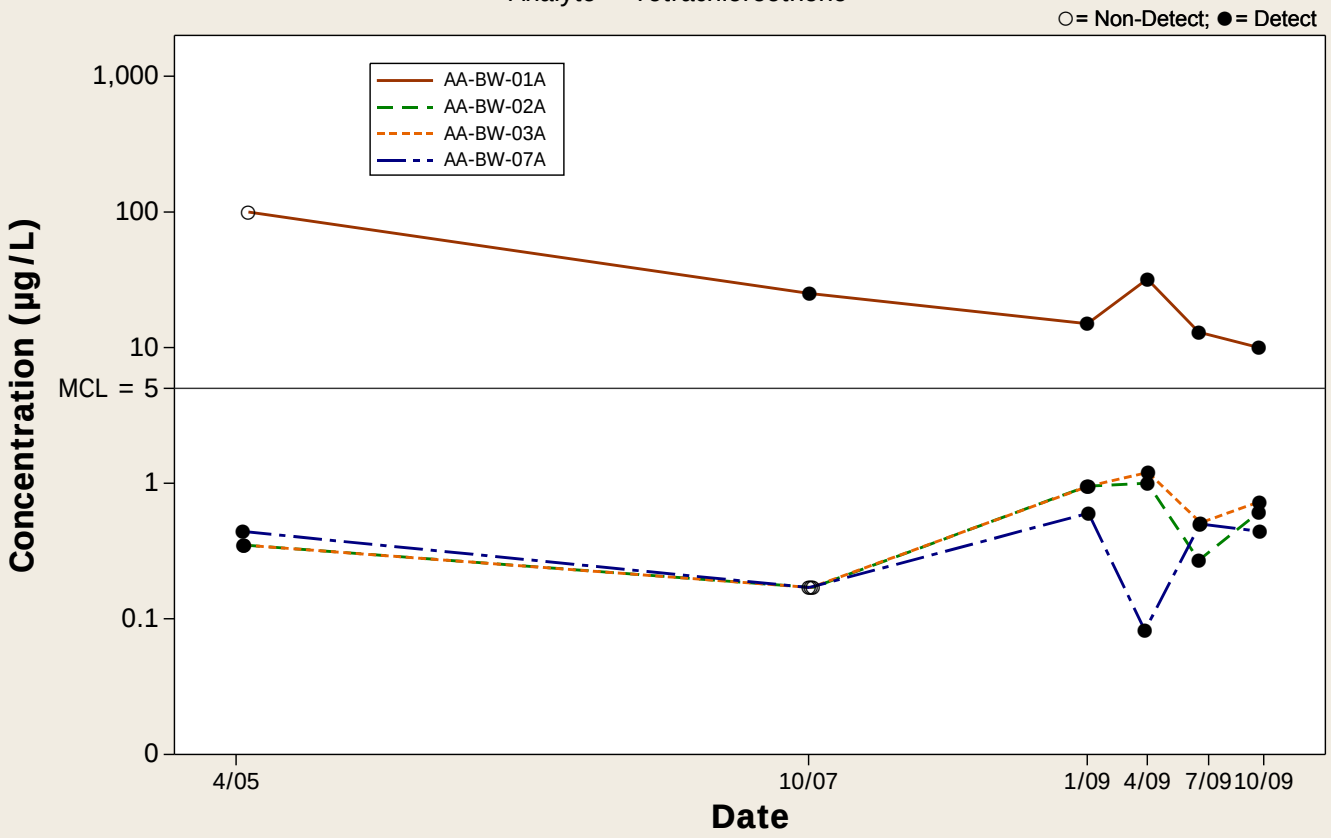
Concentration Trend Graph - Upgradient Wells

Analyte = Tetrachloroethene



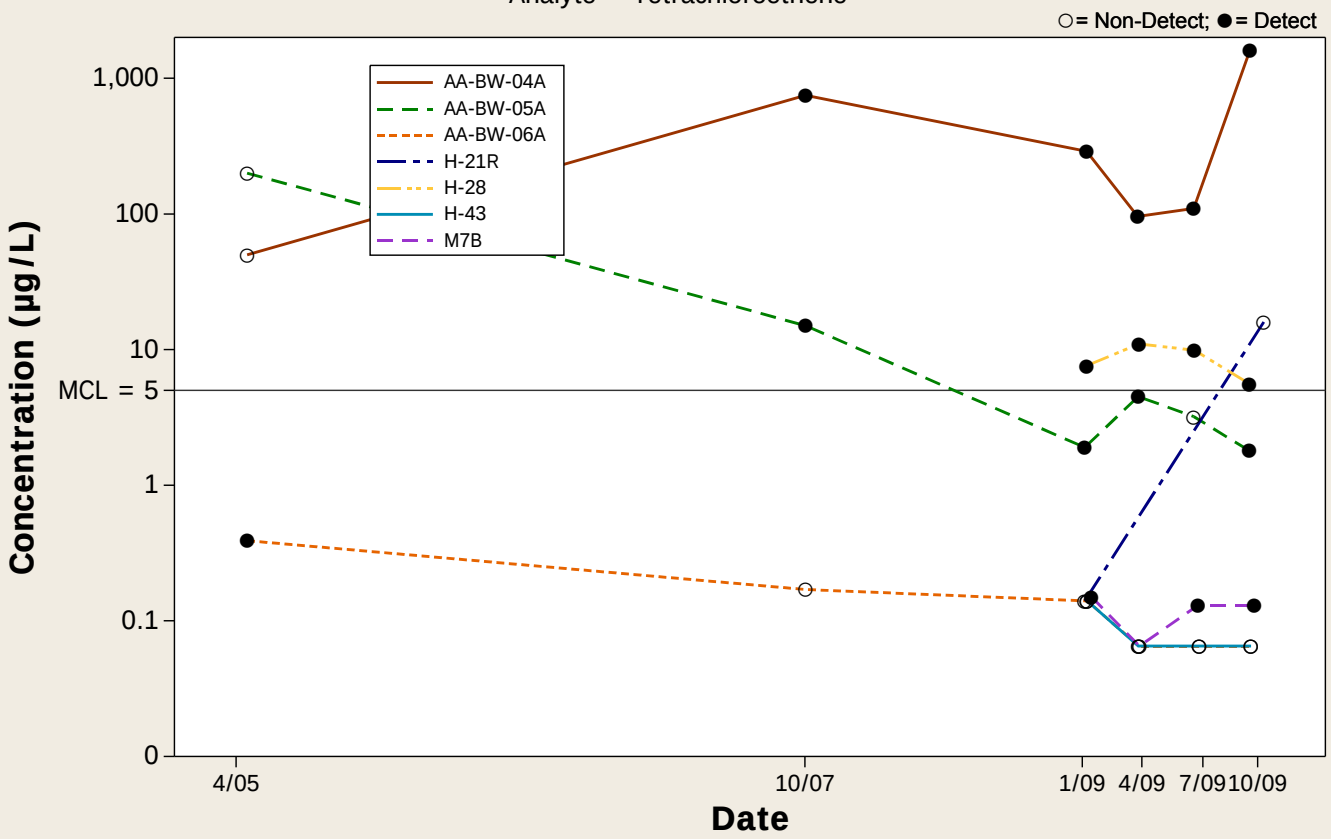
Concentration Trend Graph - Crossgradient Wells

Analyte = Tetrachloroethene



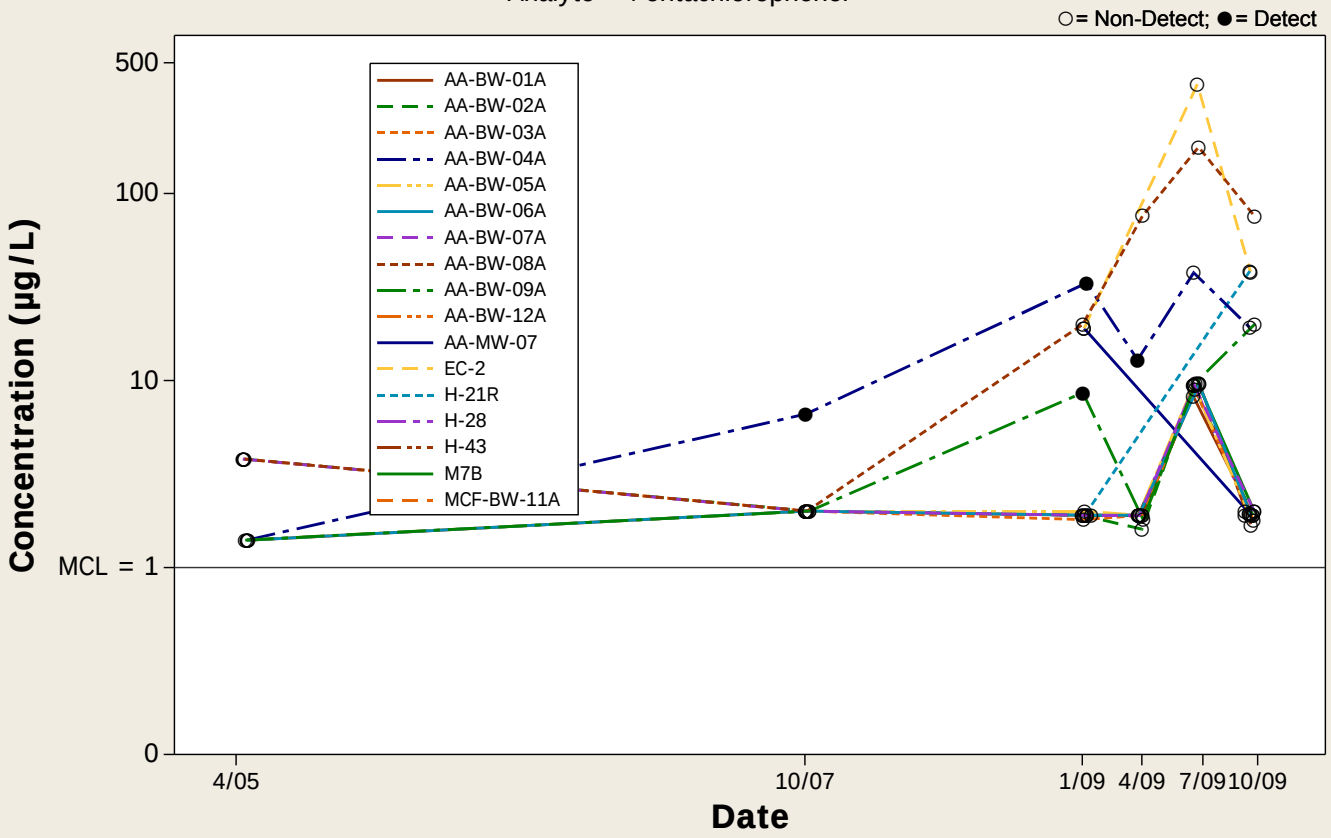
Concentration Trend Graph - Downgradient Wells

Analyte = Tetrachloroethene



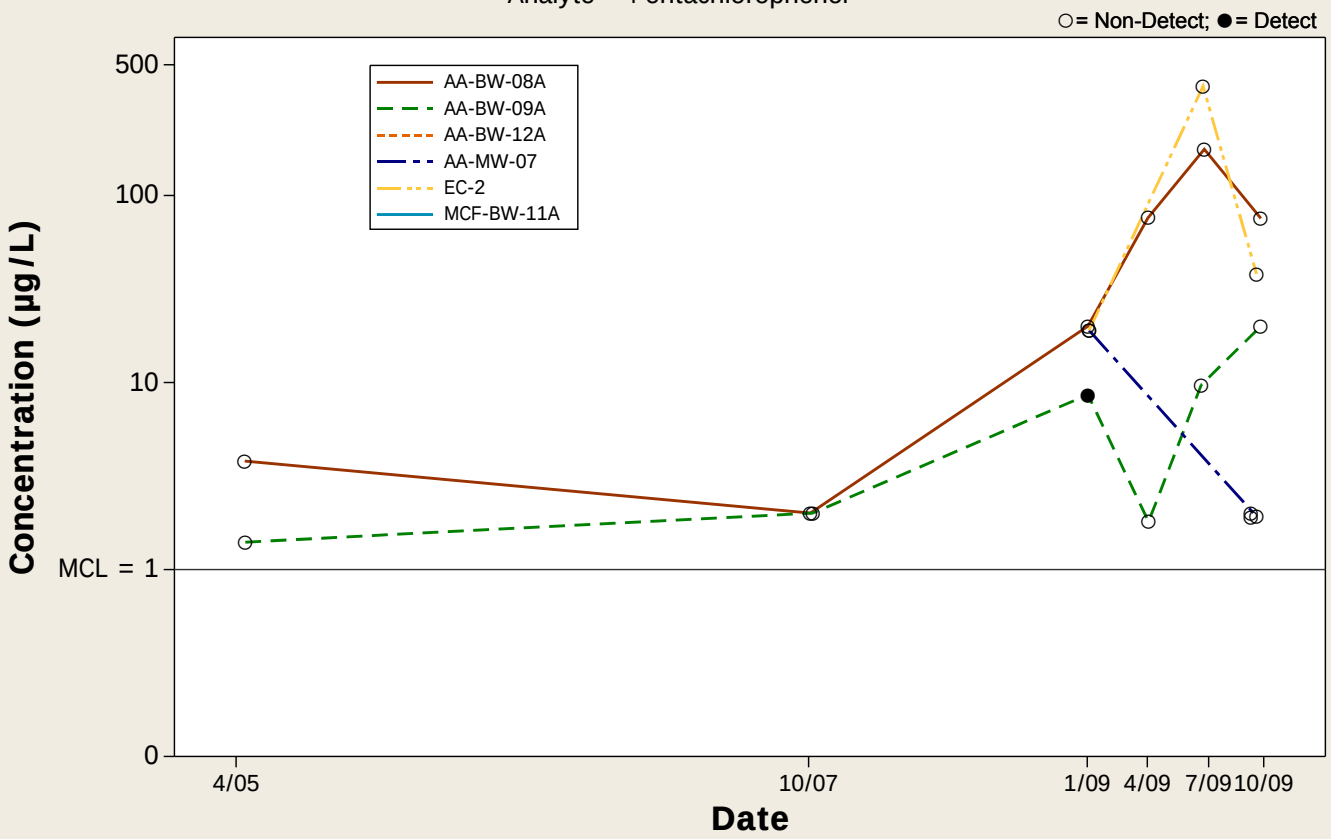
Concentration Trend Graph - All Wells

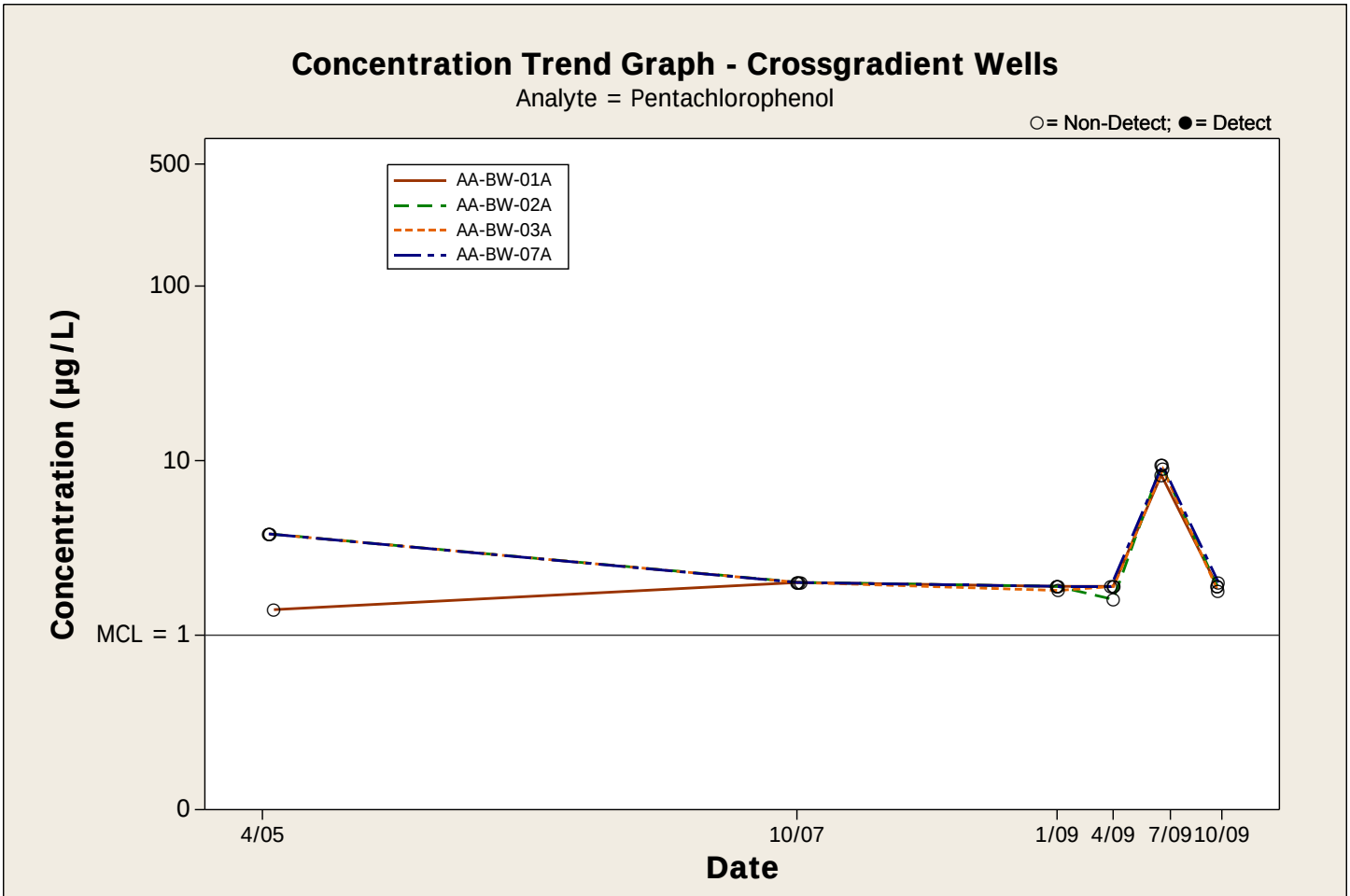
Analyte = Pentachlorophenol

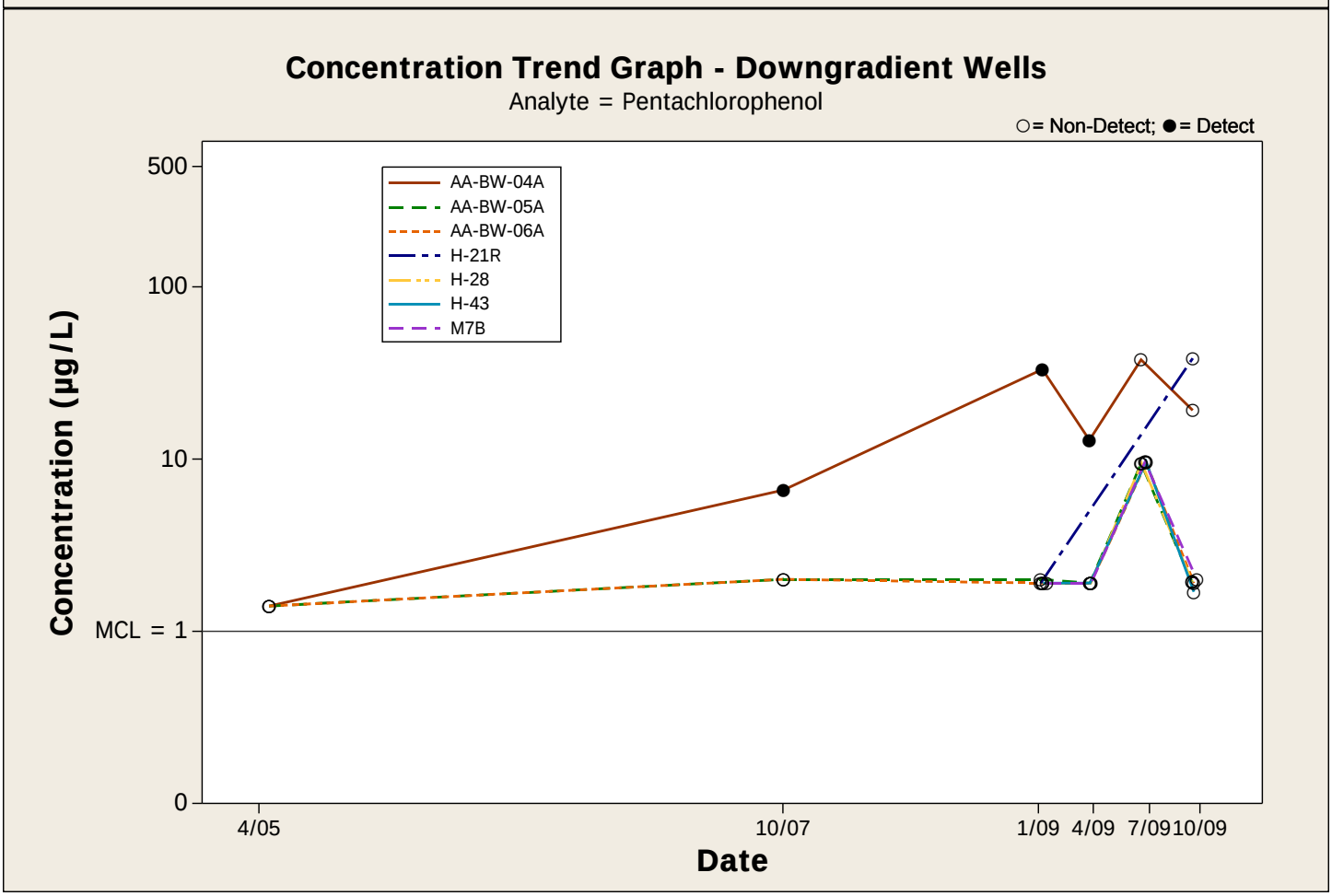


Concentration Trend Graph - Upgradient Wells

Analyte = Pentachlorophenol

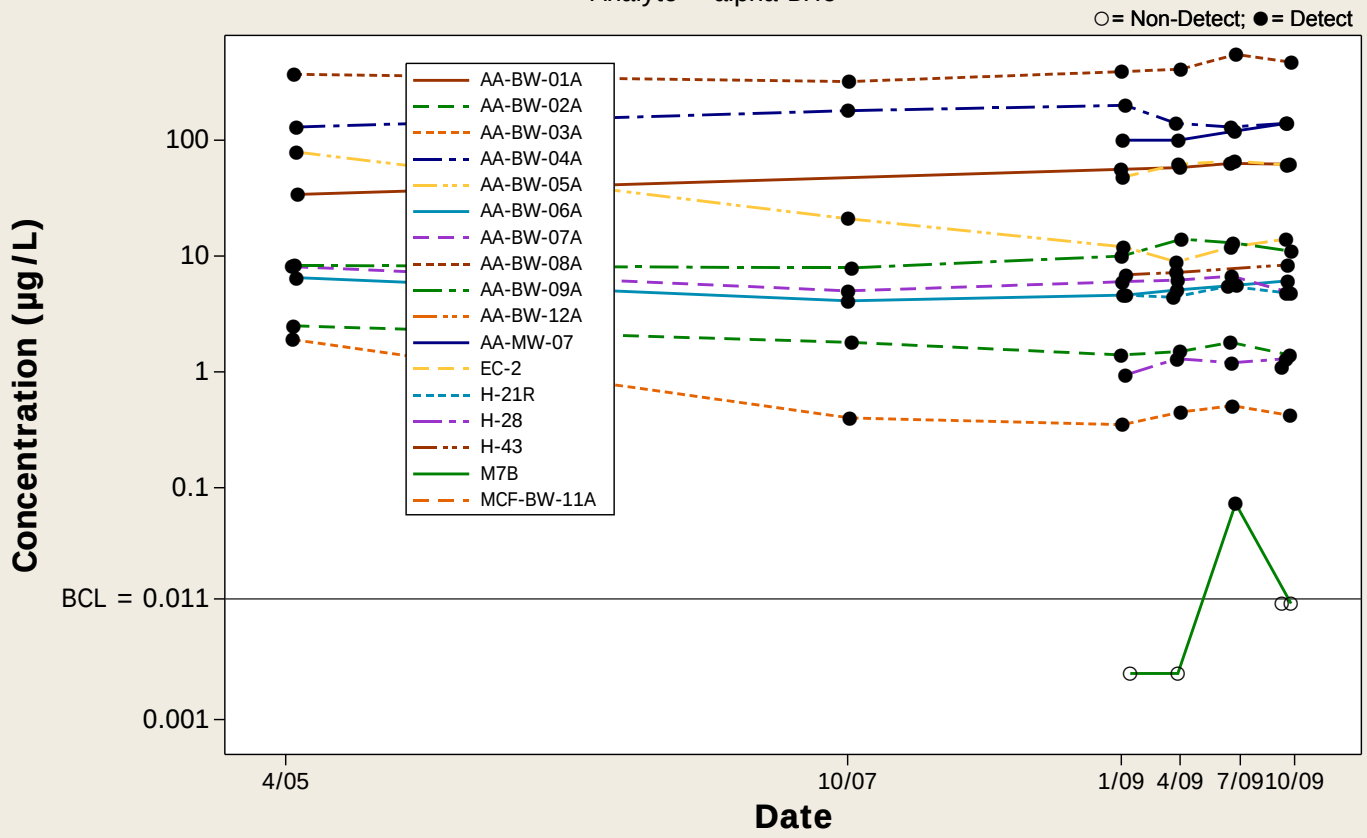



Concentration Trend Graph - Crossgradient Wells
Analyte = Pentachlorophenol
○= Non-Detect; ●= Detect
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-07A
500
100
10
MCL = 1
0
Concentration (µg/L)
4/05
10/07
1/09
4/09
7/09
10/09
Date


Concentration Trend Graph - Downgradient Wells
Analyte = Pentachlorophenol
○= Non-Detect; ●= Detect
AA-BW-04A
AA-BW-05A
AA-BW-06A
H-21R
H-28
H-43
M7B
500
100
10
MCL = 1
0
Concentration (µg/L)
4/05
10/07
1/09
4/09
7/09
10/09
Date

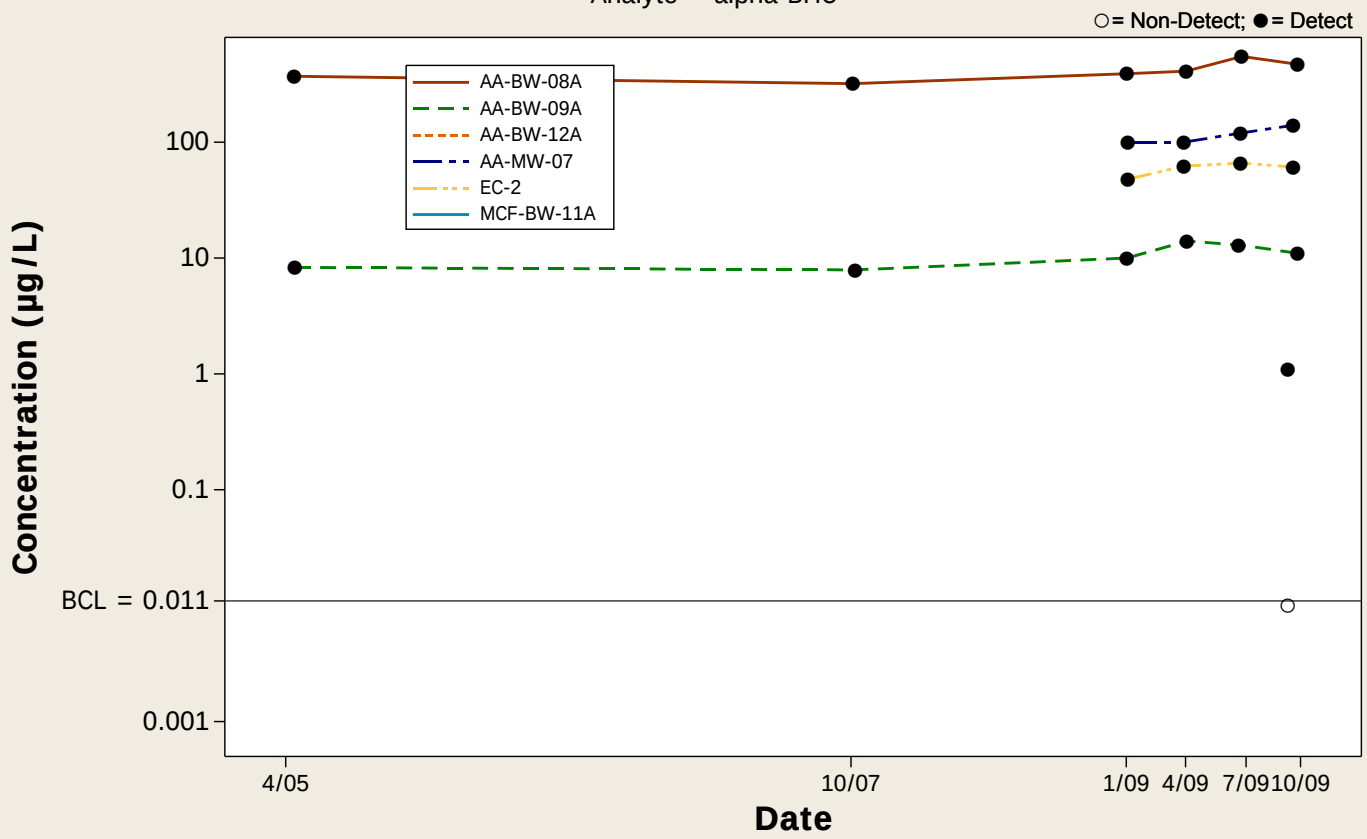
Concentration Trend Graph - All Wells

Analyte = alpha-BHC



Concentration Trend Graph - Upgradient Wells

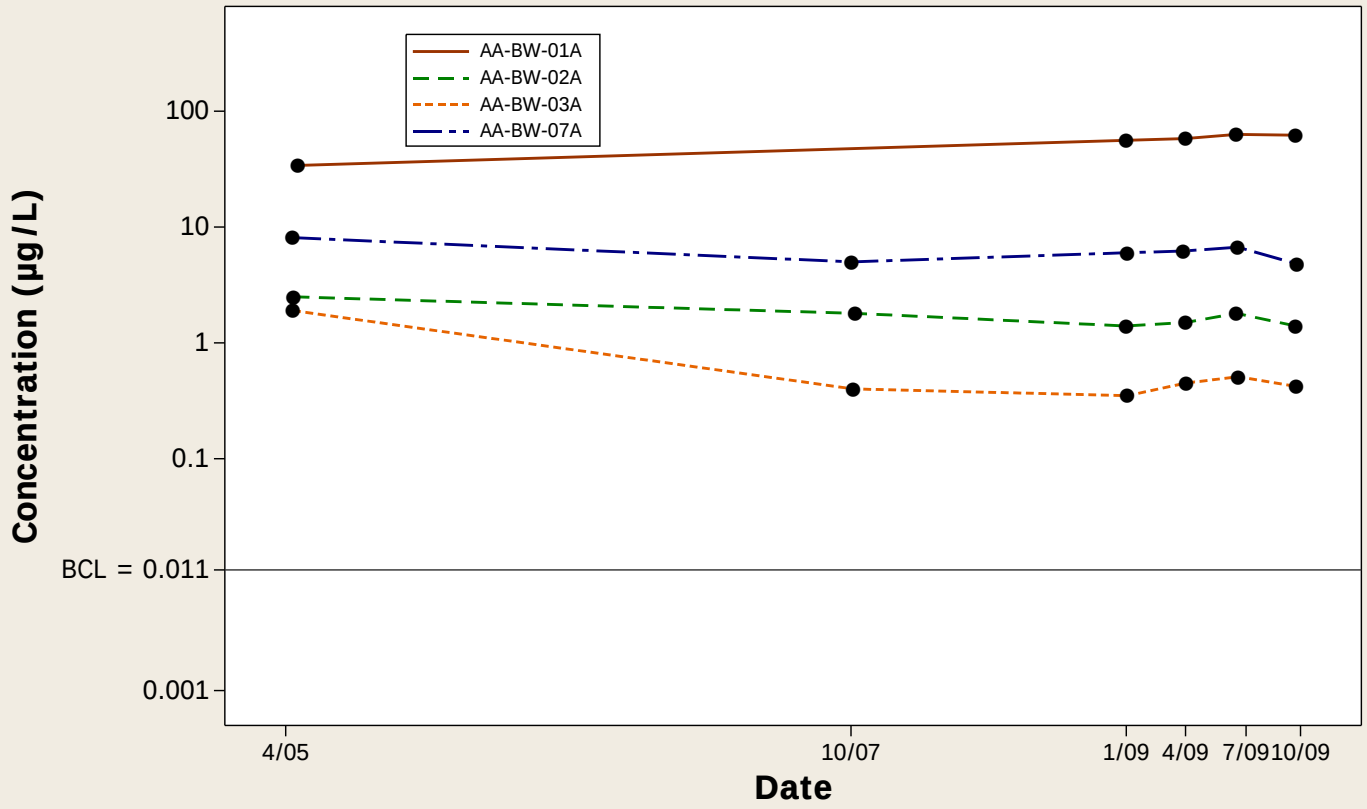
Analyte = alpha-BHC



Concentration Trend Graph - Crossgradient Wells

Analyte = alpha-BHC

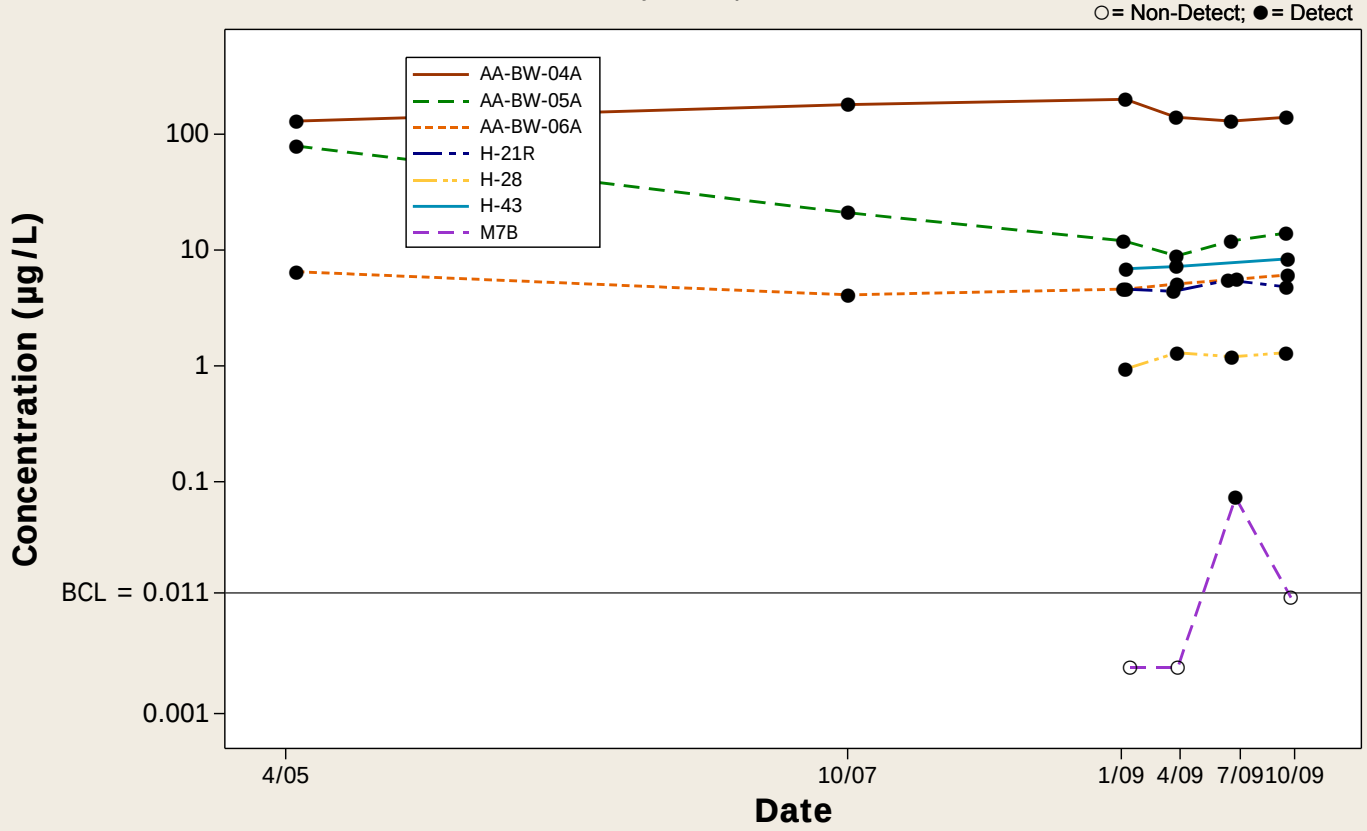
○= Non-Detect; ●= Detect

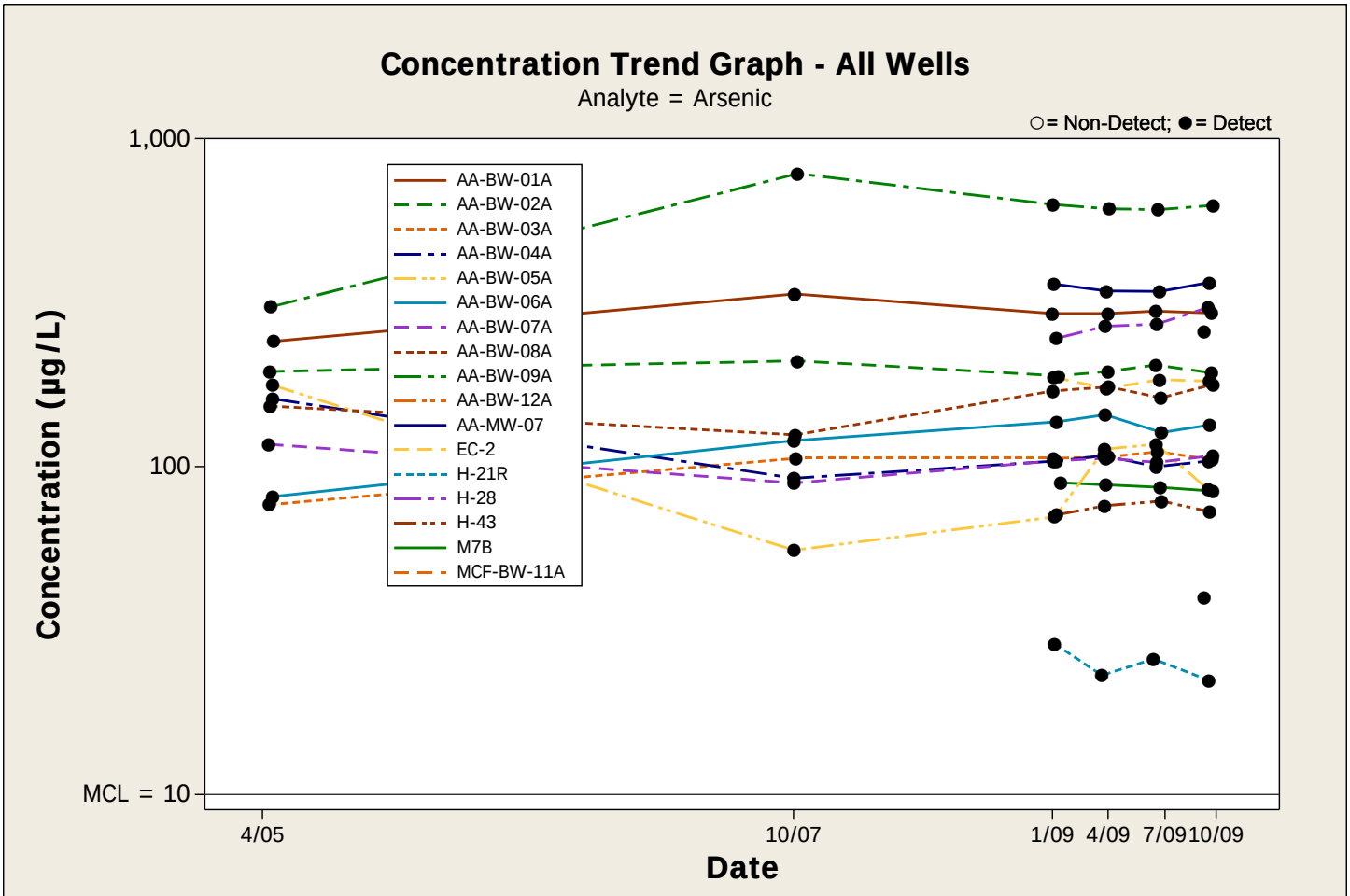


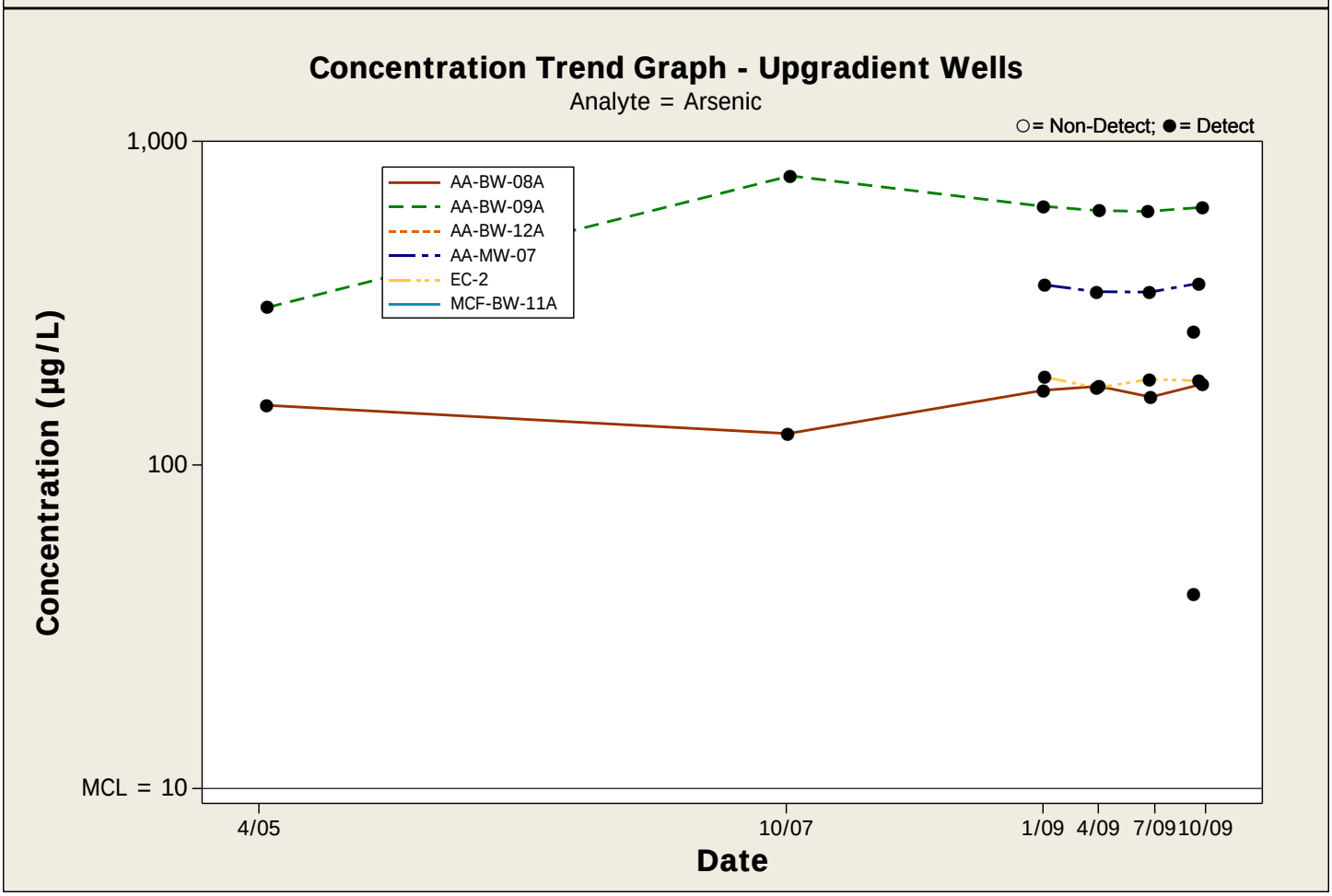
Concentration Trend Graph - Downgradient Wells

Analyte = alpha-BHC

○= Non-Detect; ●= Detect

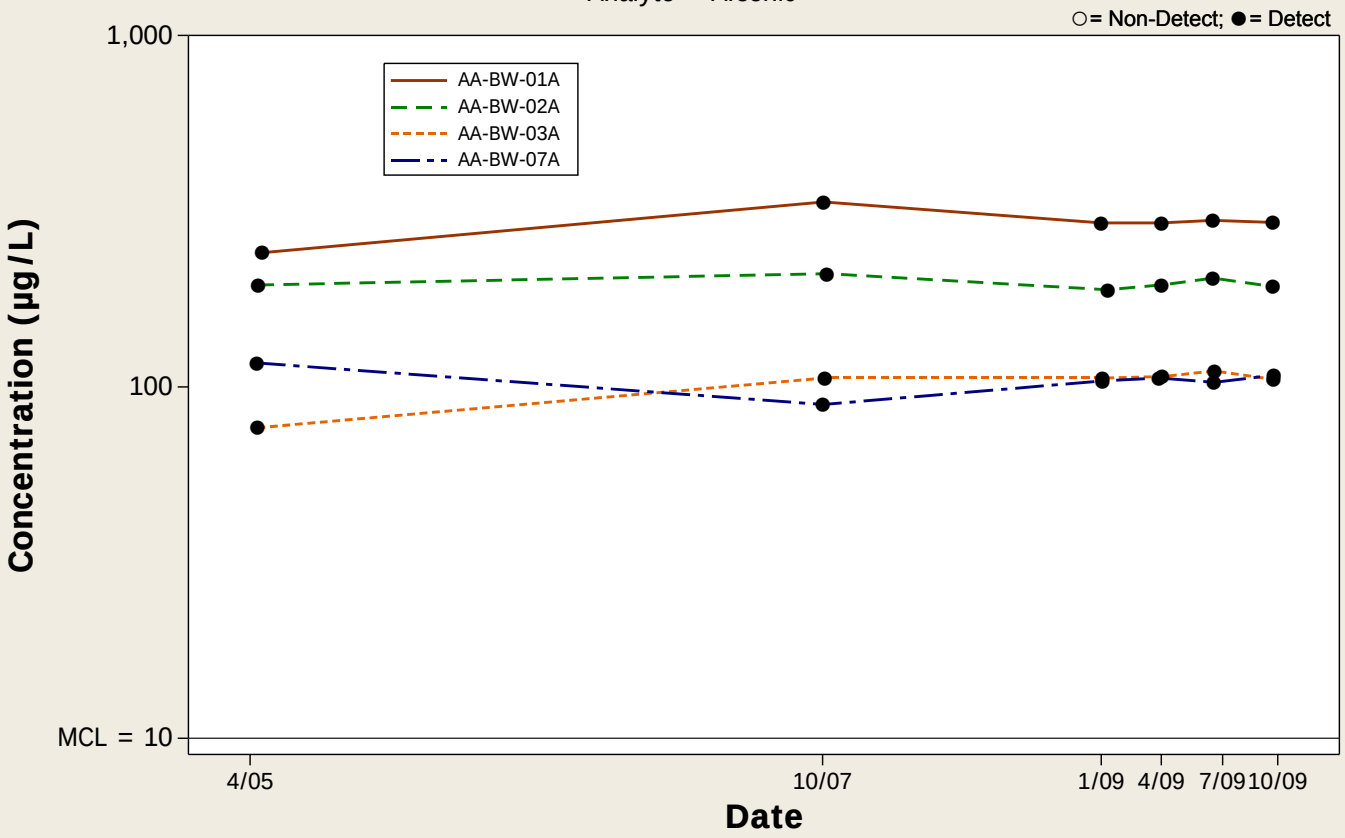



Concentration Trend Graph - All Wells
Analyte = Arsenic
○= Non-Detect; ●= Detect
1,000
100
MCL = 10
Concentration (µg/L)
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-04A
AA-BW-05A
AA-BW-06A
AA-BW-07A
AA-BW-08A
AA-BW-09A
AA-BW-12A
AA-MW-07
EC-2
H-21R
H-28
H-43
M7B
MCF-BW-11A
4/05
10/07
1/09
4/09
7/09
10/09
Date


Concentration Trend Graph - Upgradient Wells
Analyte = Arsenic
○= Non-Detect; ●= Detect
1,000
100
MCL = 10
Concentration (µg/L)
AA-BW-08A
AA-BW-09A
AA-BW-12A
AA-MW-07
EC-2
MCF-BW-11A
4/05
10/07
1/09
4/09
7/09
10/09
Date

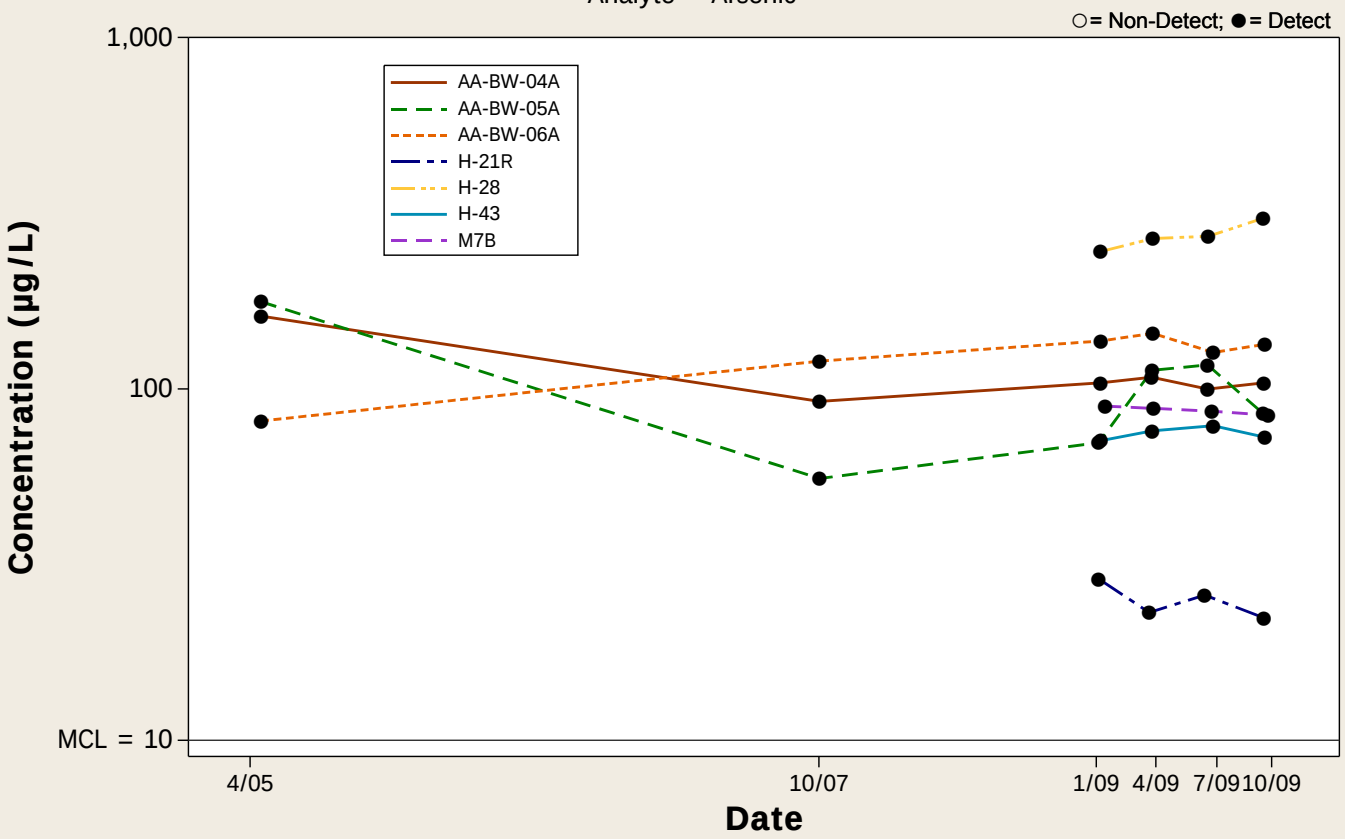
Concentration Trend Graph - Crossgradient Wells

Analyte = Arsenic



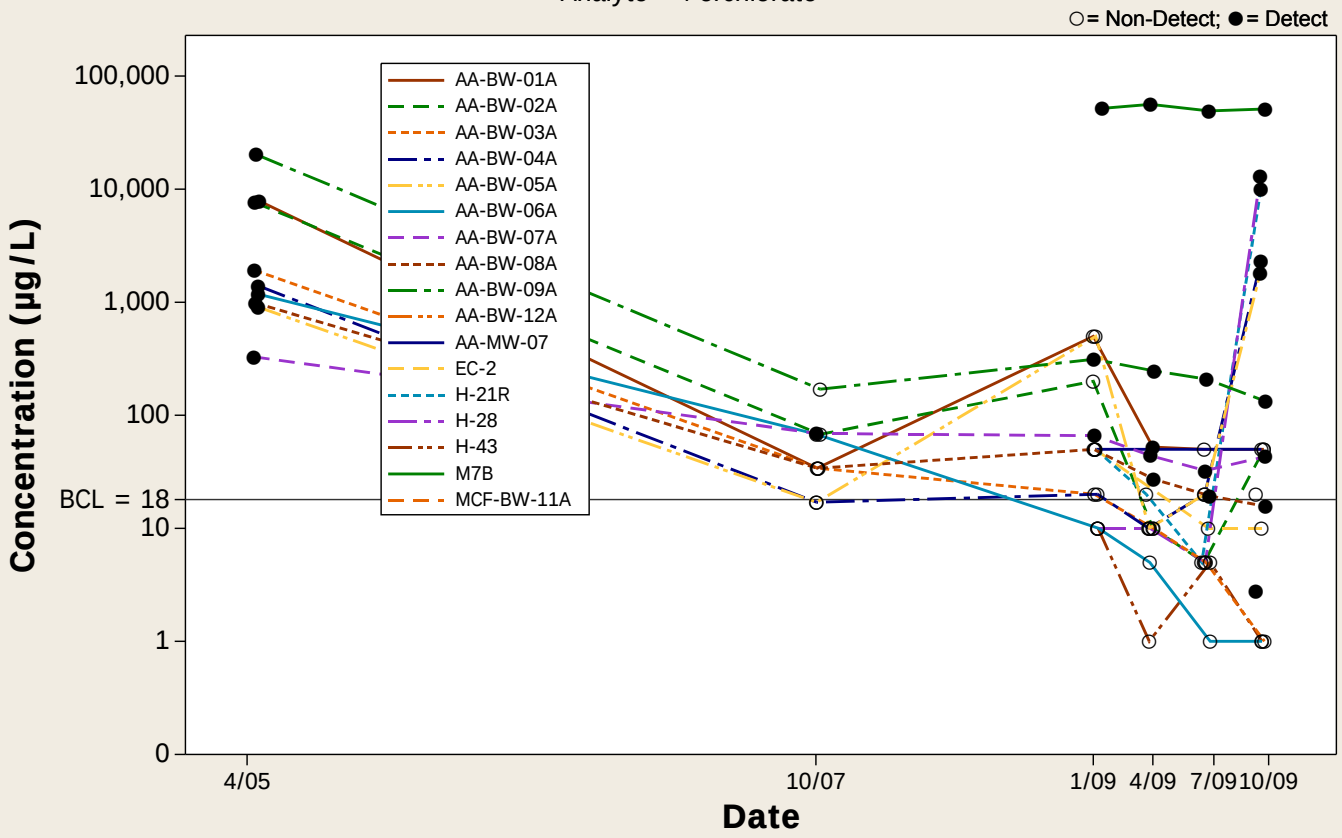
Concentration Trend Graph - Downgradient Wells

Analyte = Arsenic



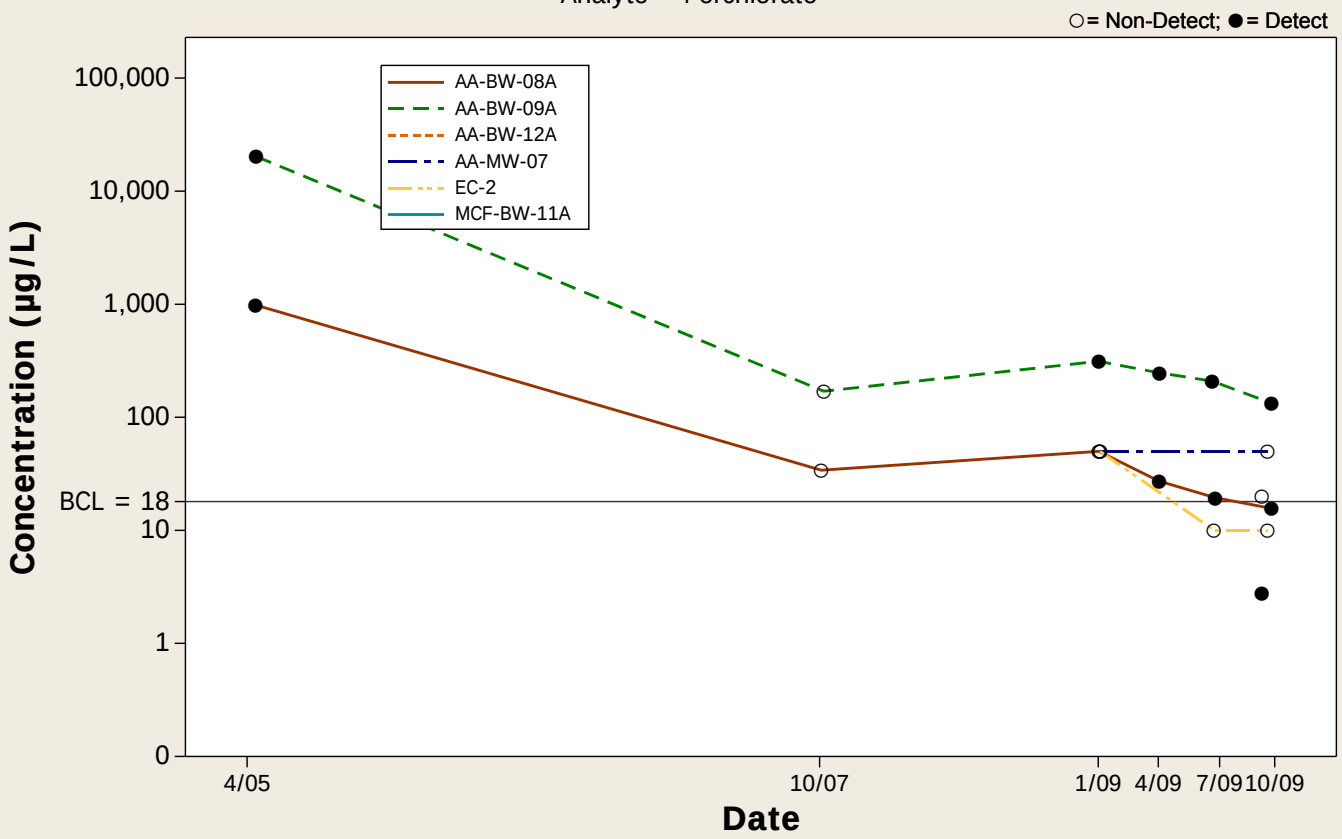
Concentration Trend Graph - All Wells

Analyte = Perchlorate



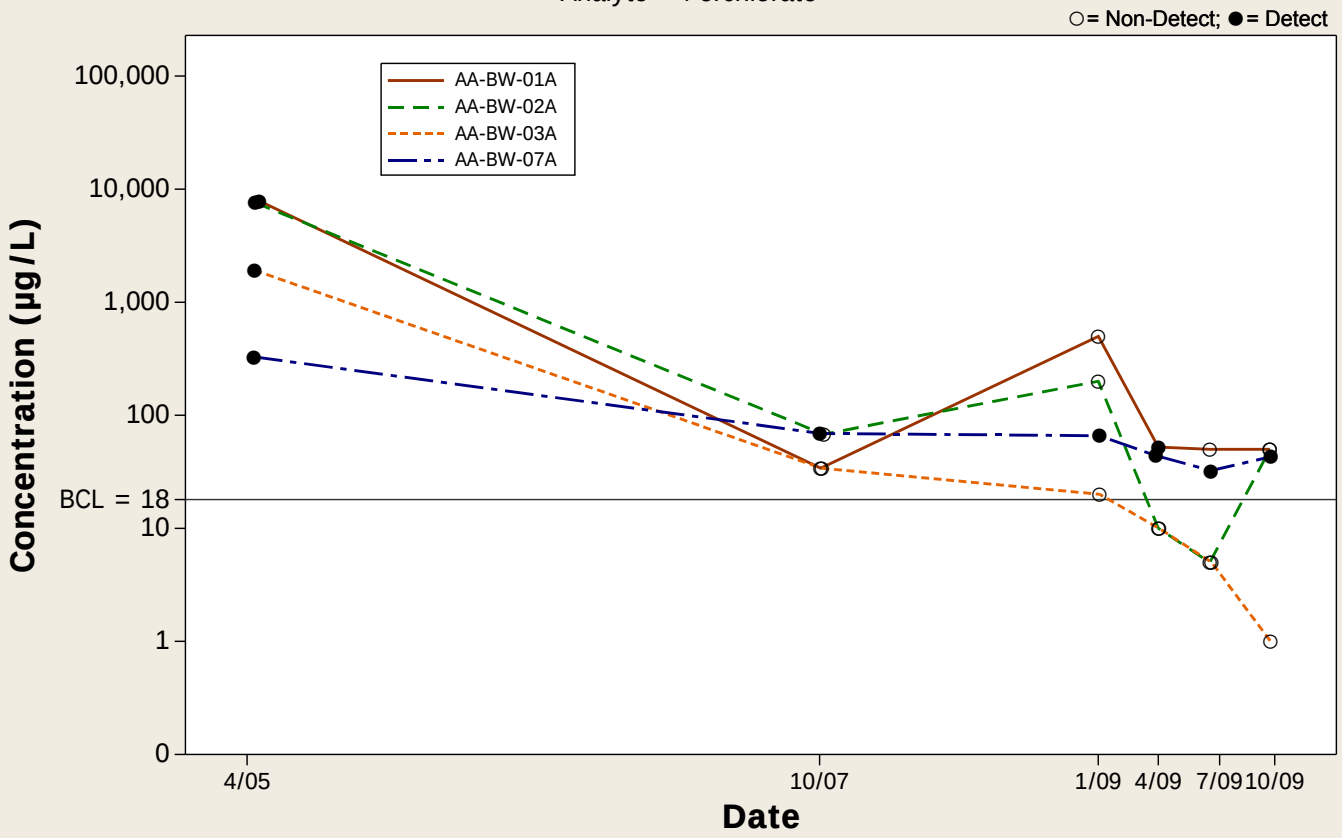
Concentration Trend Graph - Upgradient Wells

Analyte = Perchlorate



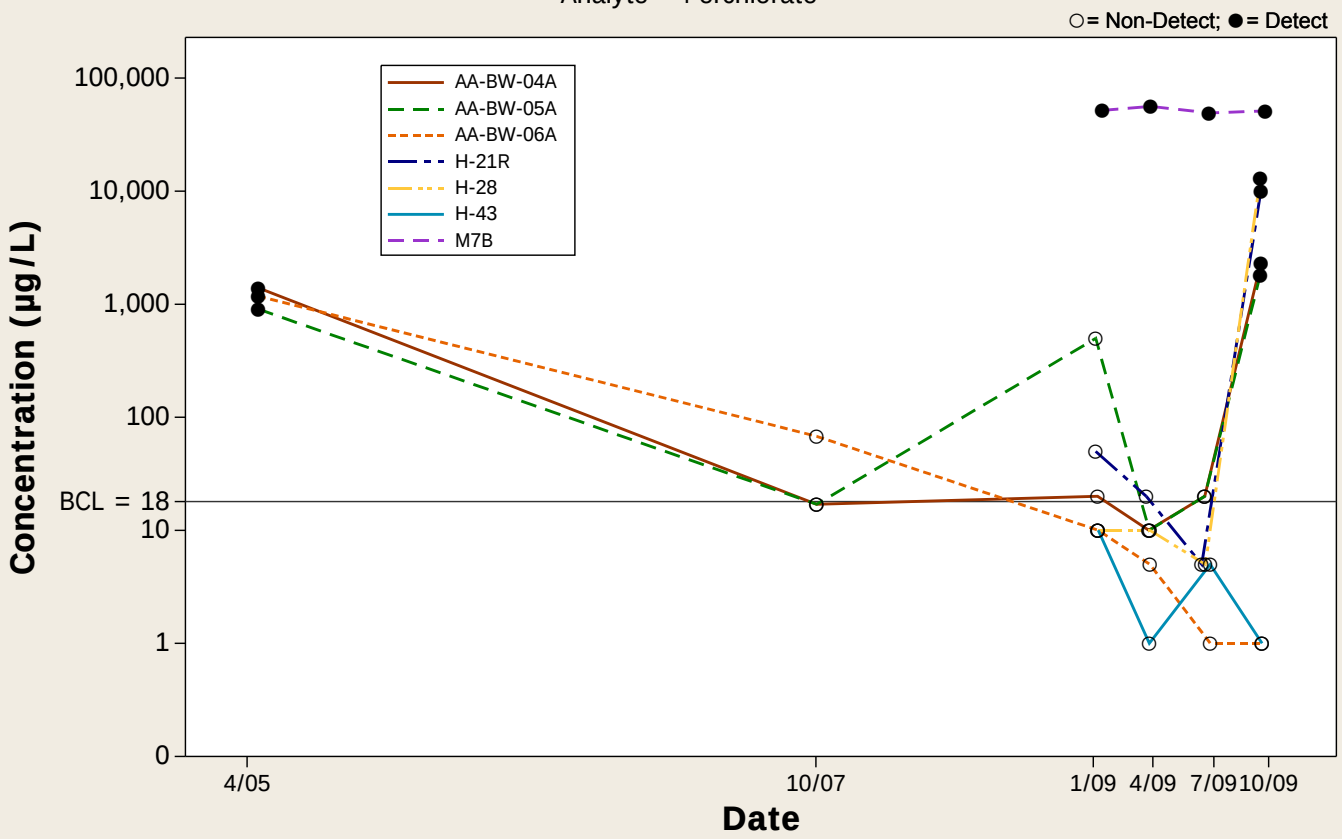
Concentration Trend Graph - Crossgradient Wells

Analyte = Perchlorate



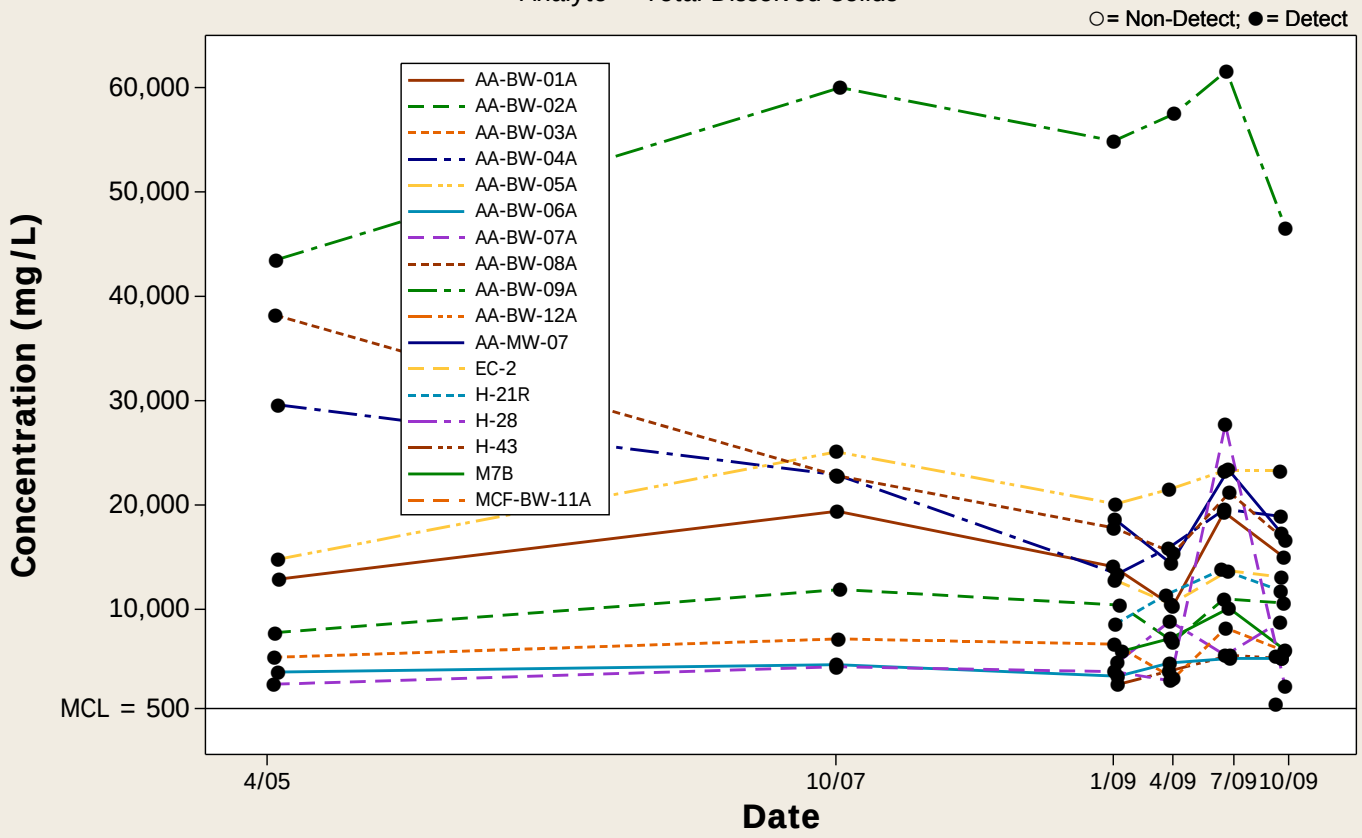
Concentration Trend Graph - Downgradient Wells

Analyte = Perchlorate



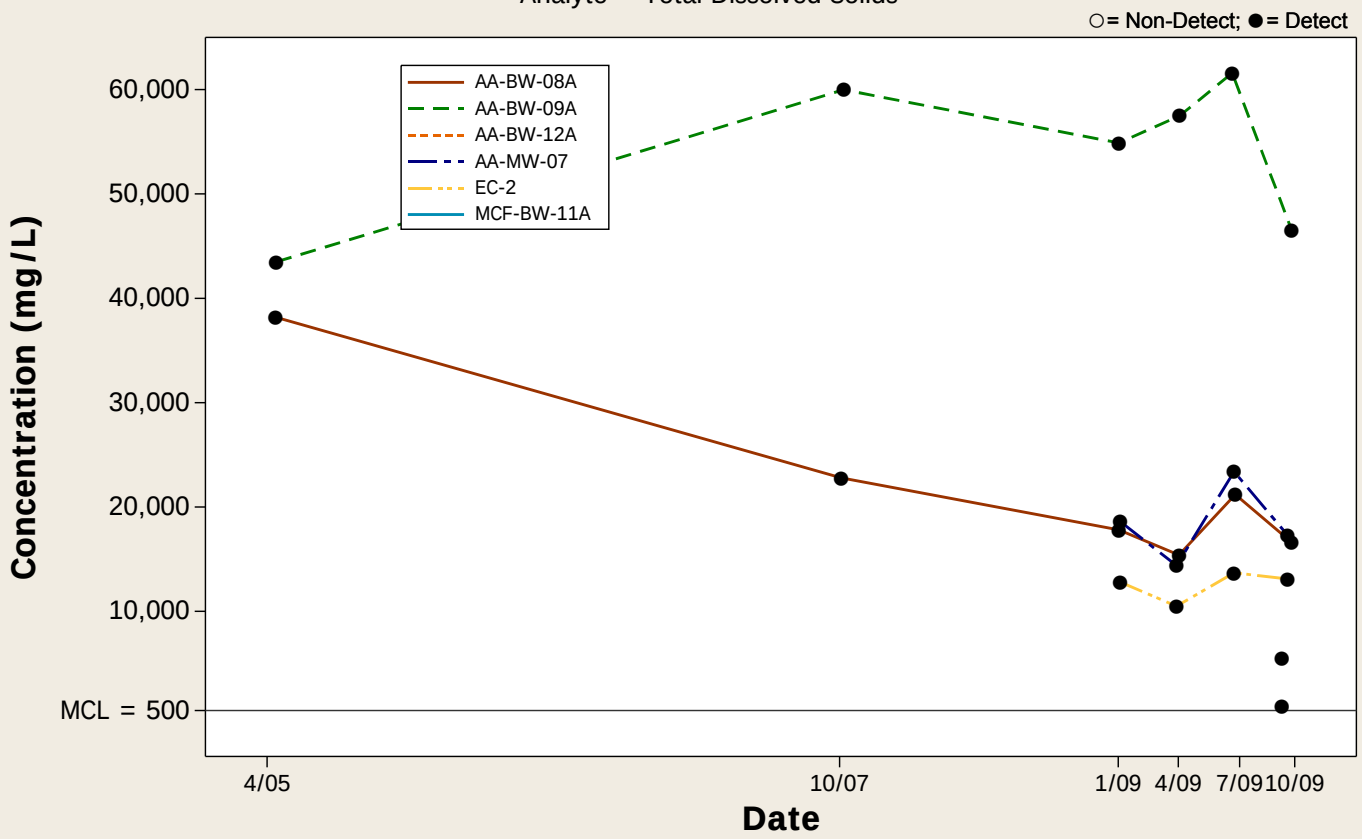
Concentration Trend Graph - All Wells

Analyte = Total Dissolved Solids



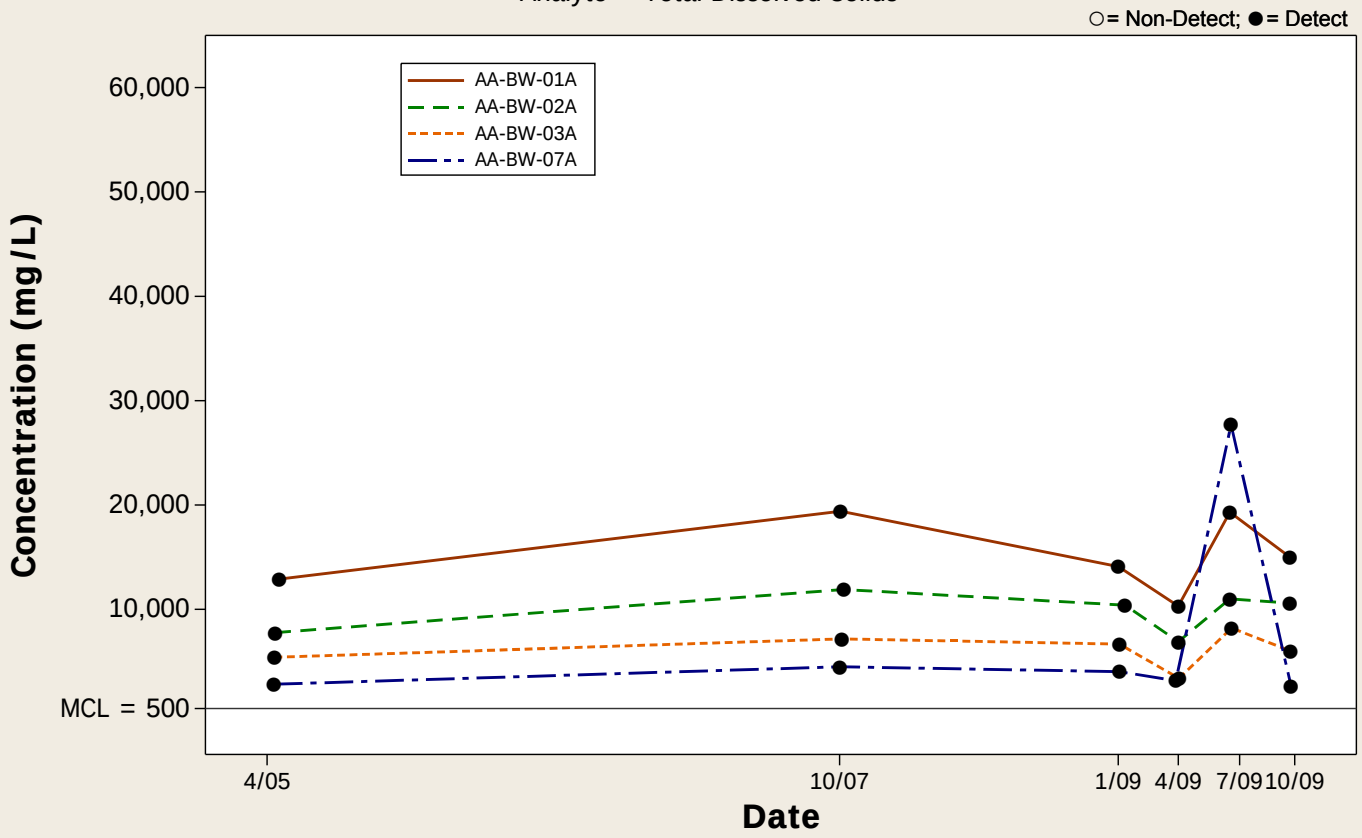
Concentration Trend Graph - Upgradient Wells

Analyte = Total Dissolved Solids



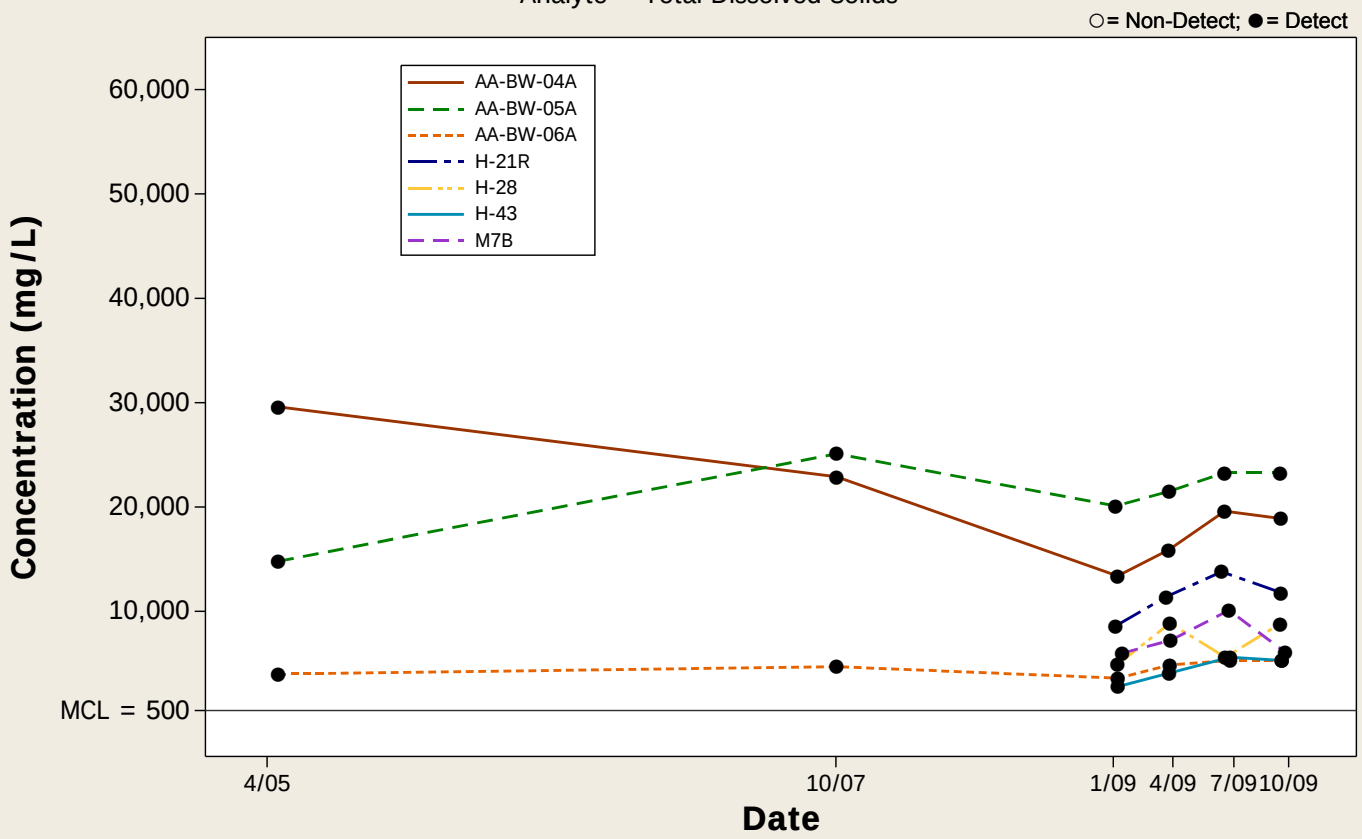
Concentration Trend Graph - Crossgradient Wells

Analyte = Total Dissolved Solids



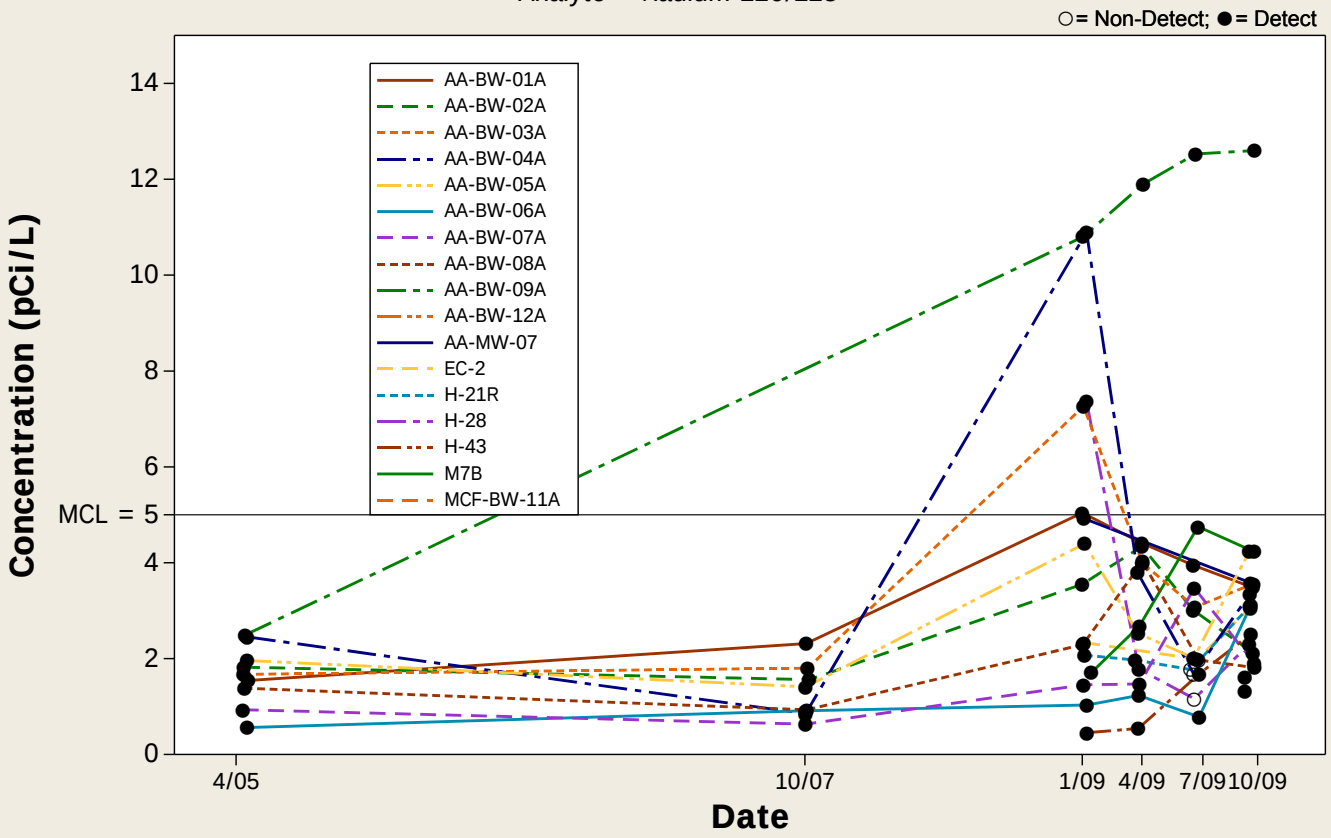
Concentration Trend Graph - Downgradient Wells

Analyte = Total Dissolved Solids



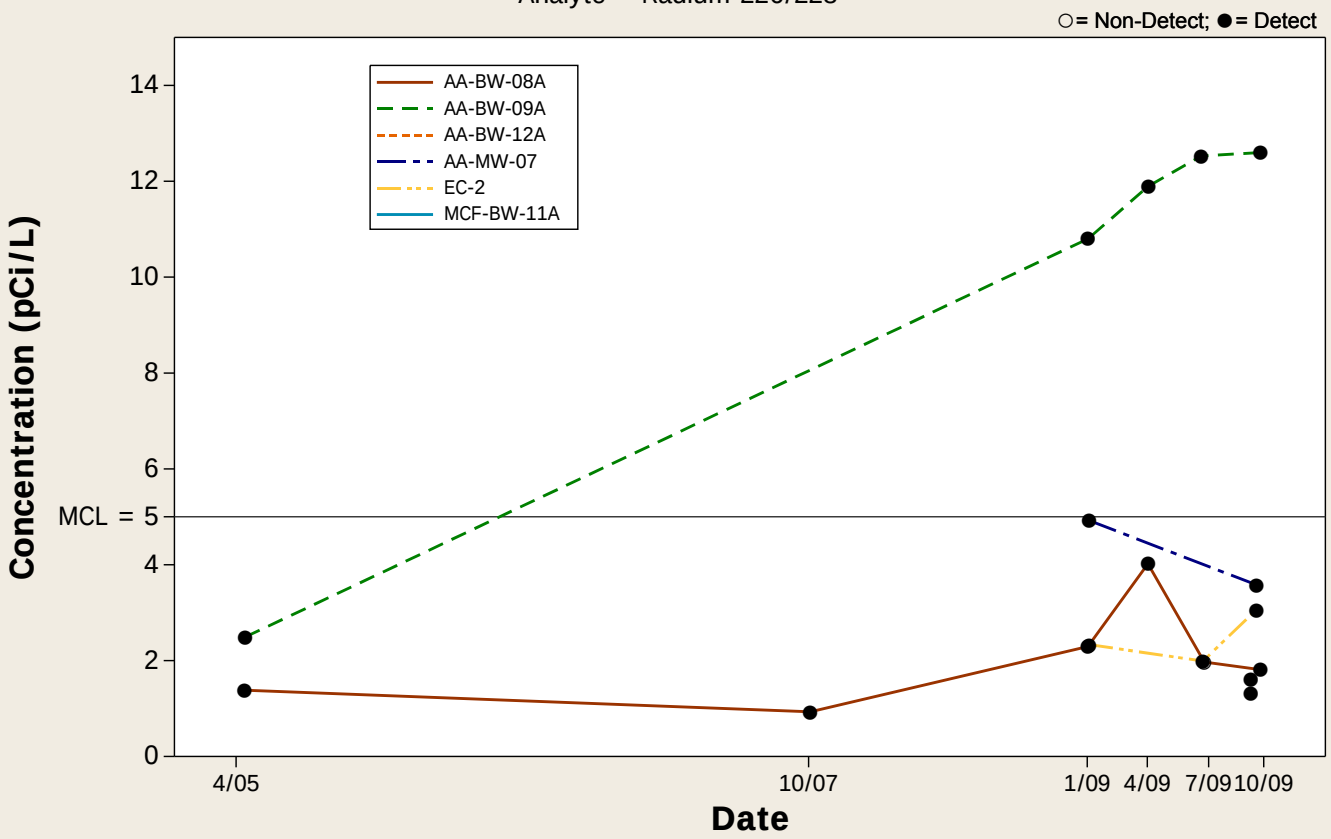
Concentration Trend Graph - All Wells

Analyte = Radium-226/228



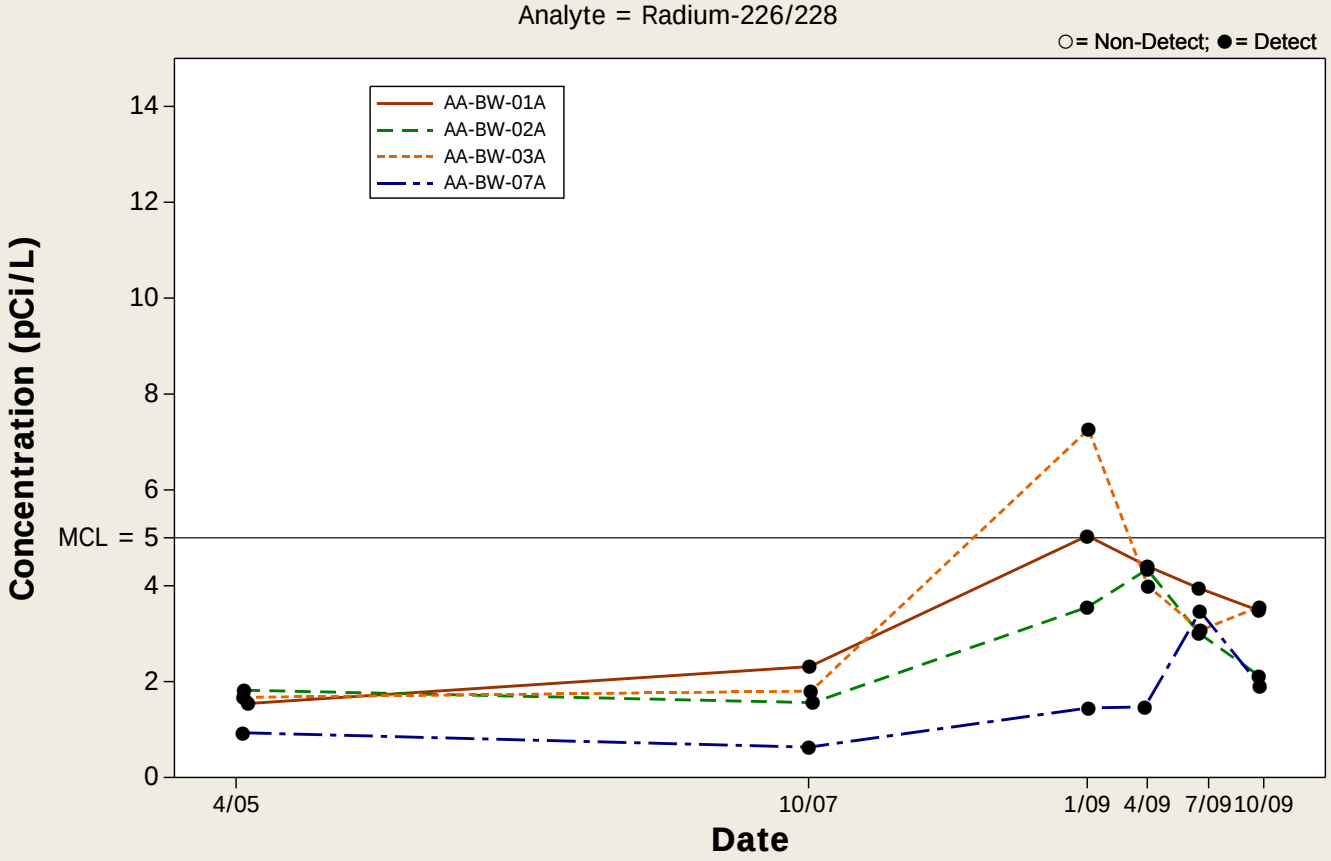
Concentration Trend Graph - Upgradient Wells

Analyte = Radium-226/228



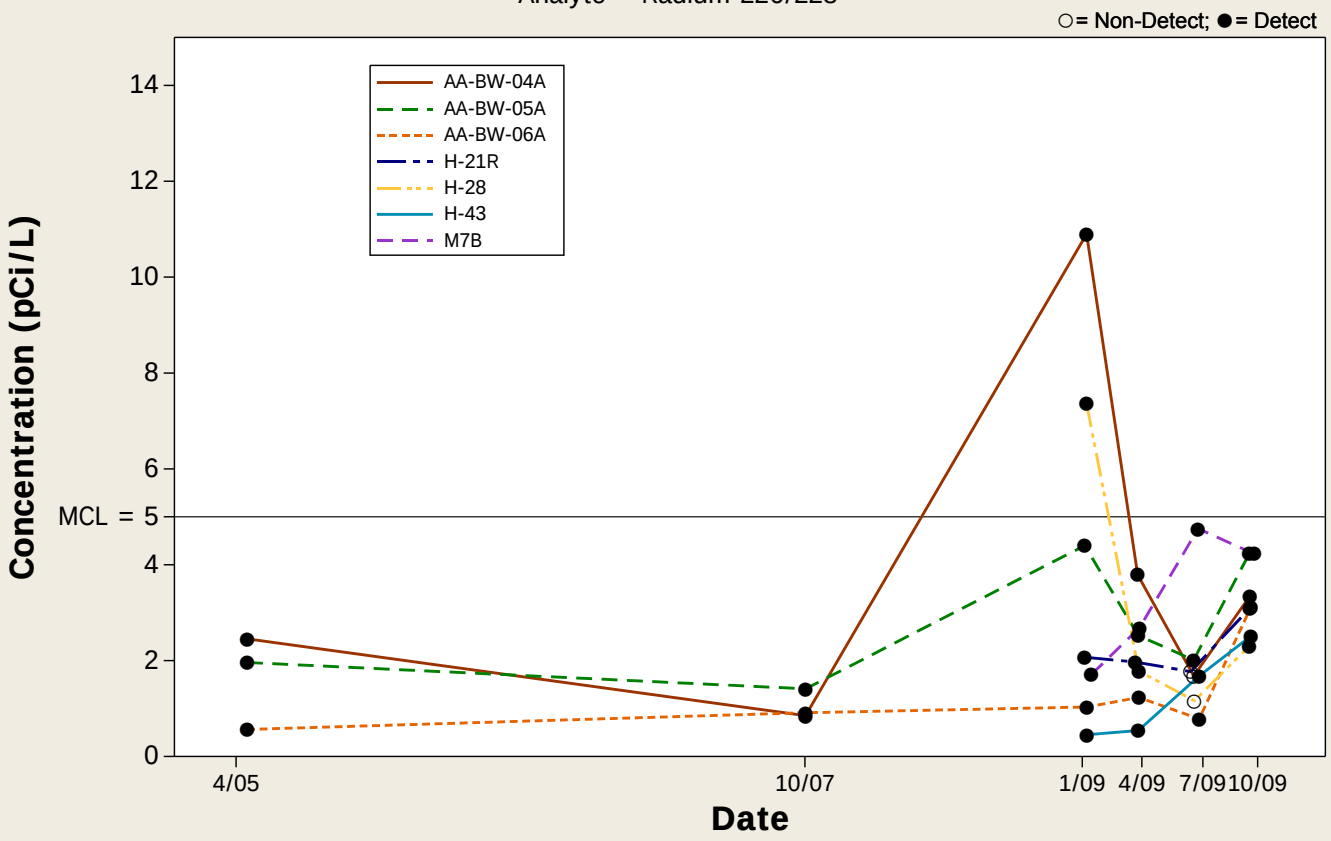
Concentration Trend Graph - Crossgradient Wells

Analyte = Radium-226/228



Concentration Trend Graph - Downgradient Wells

Analyte = Radium-226/228

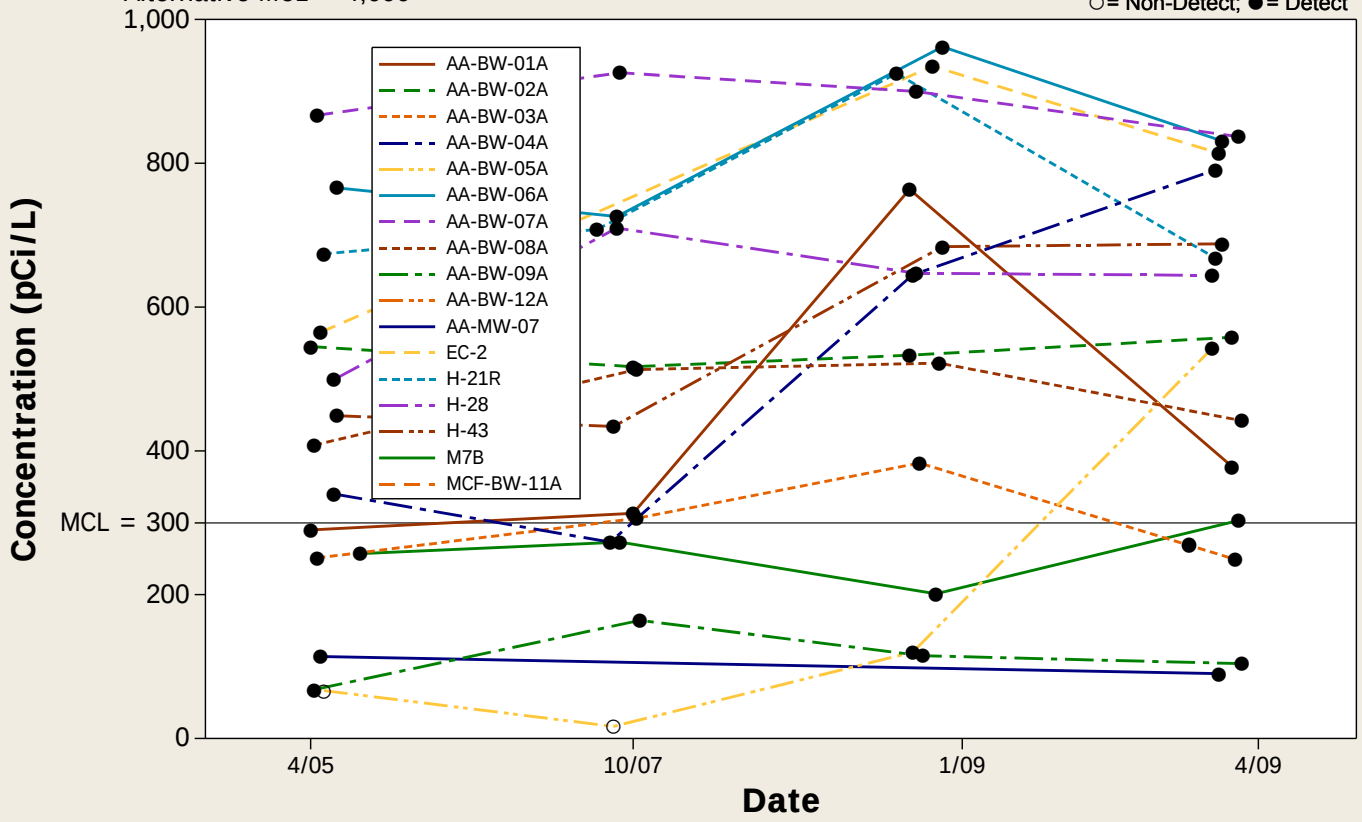


Concentration Trend Graph - All Wells

Analyte = Radon-222

Alternative MCL = 4,000

○= Non-Detect; ●= Detect

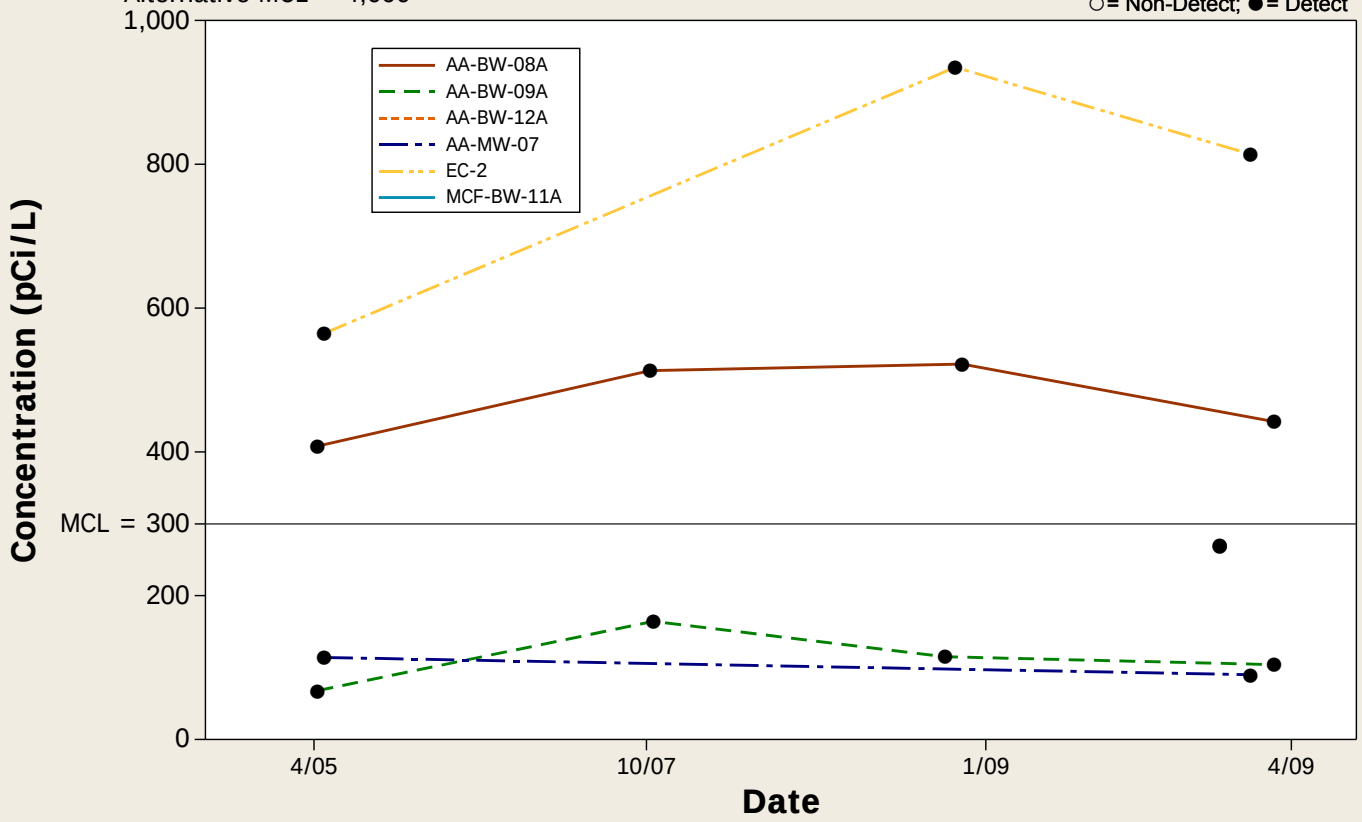


Concentration Trend Graph - Upgradient Wells

Analyte = Radon-222

Alternative MCL = 4,000

○= Non-Detect; ●= Detect

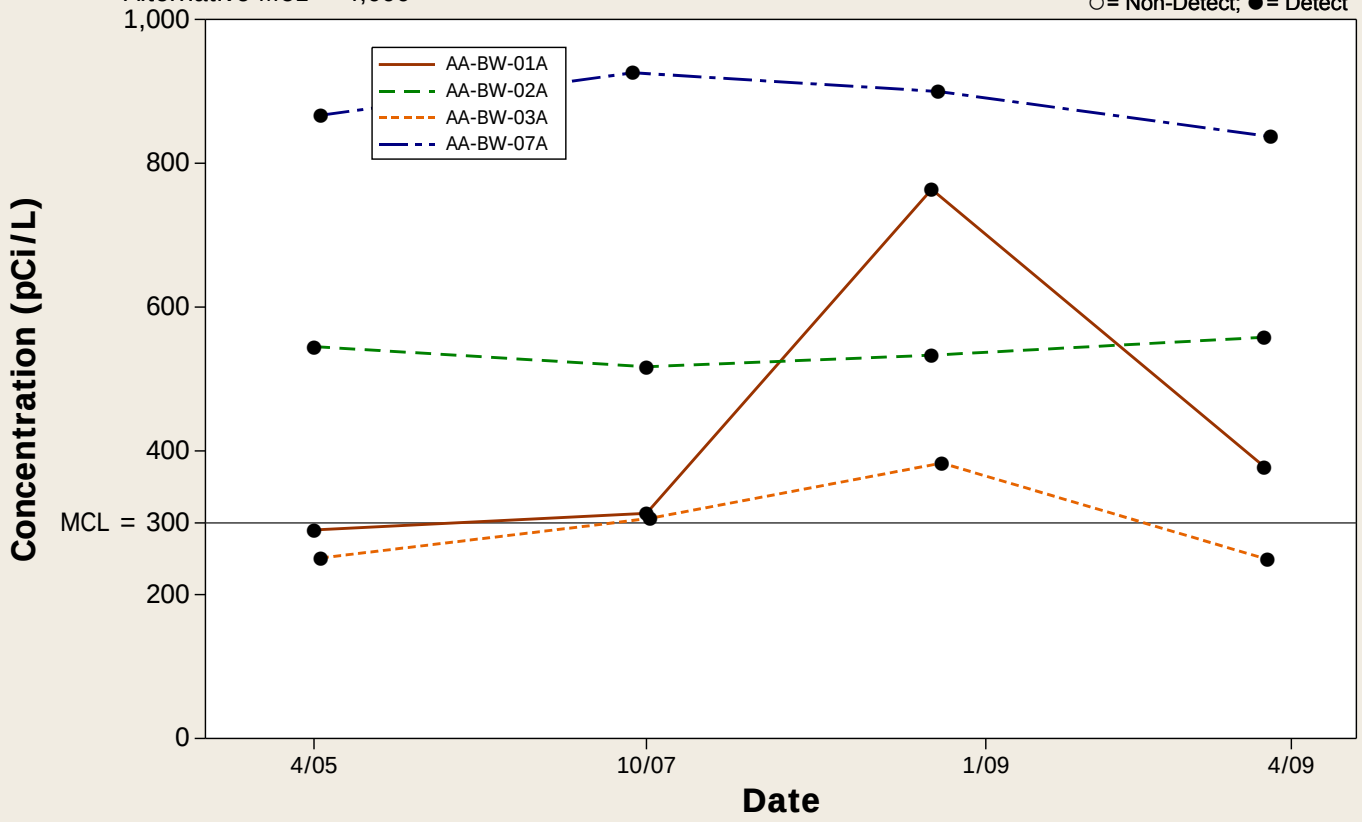


Concentration Trend Graph - Crossgradient Wells

Analyte = Radon-222

Alternative MCL = 4,000

○= Non-Detect; ●= Detect

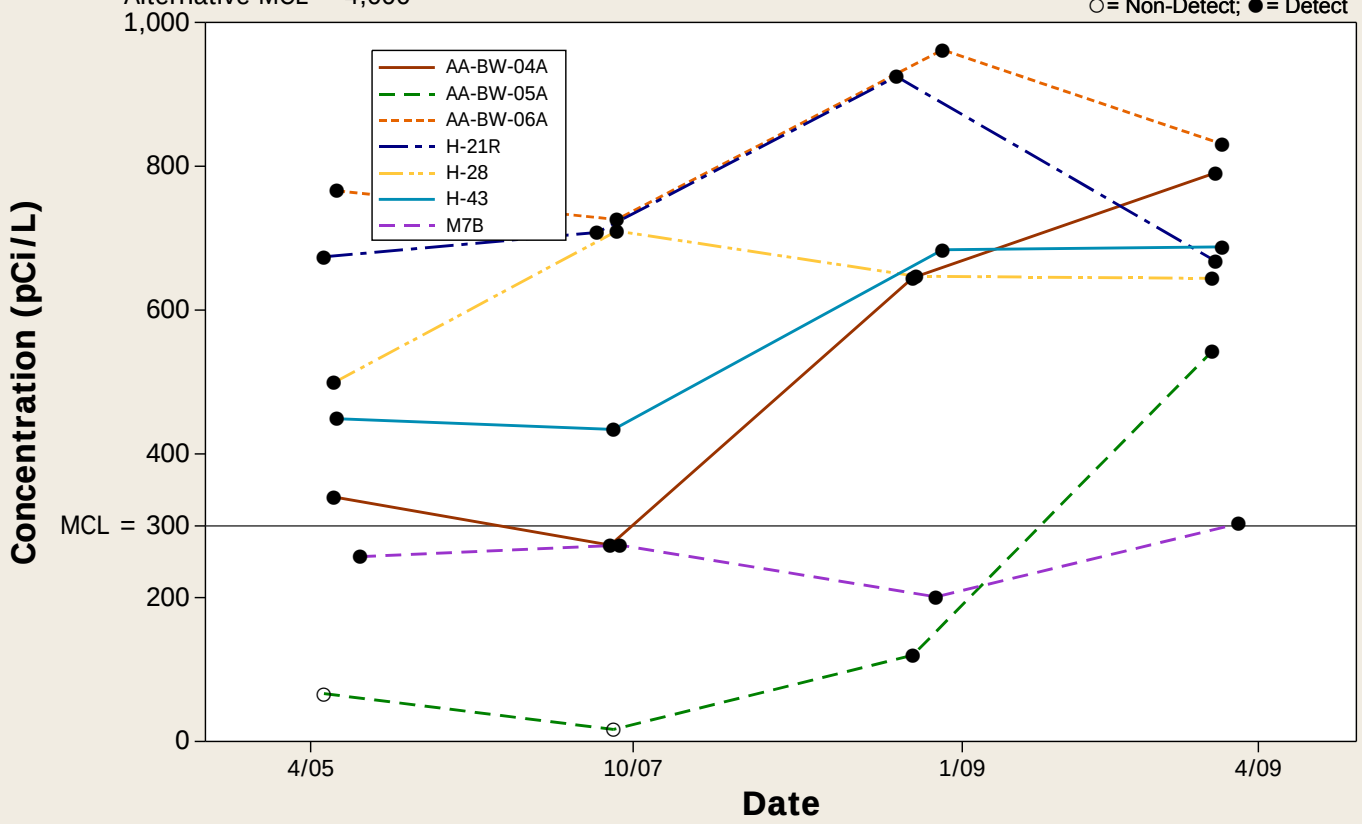


Concentration Trend Graph - Downgradient Wells

Analyte = Radon-222

Alternative MCL = 4,000

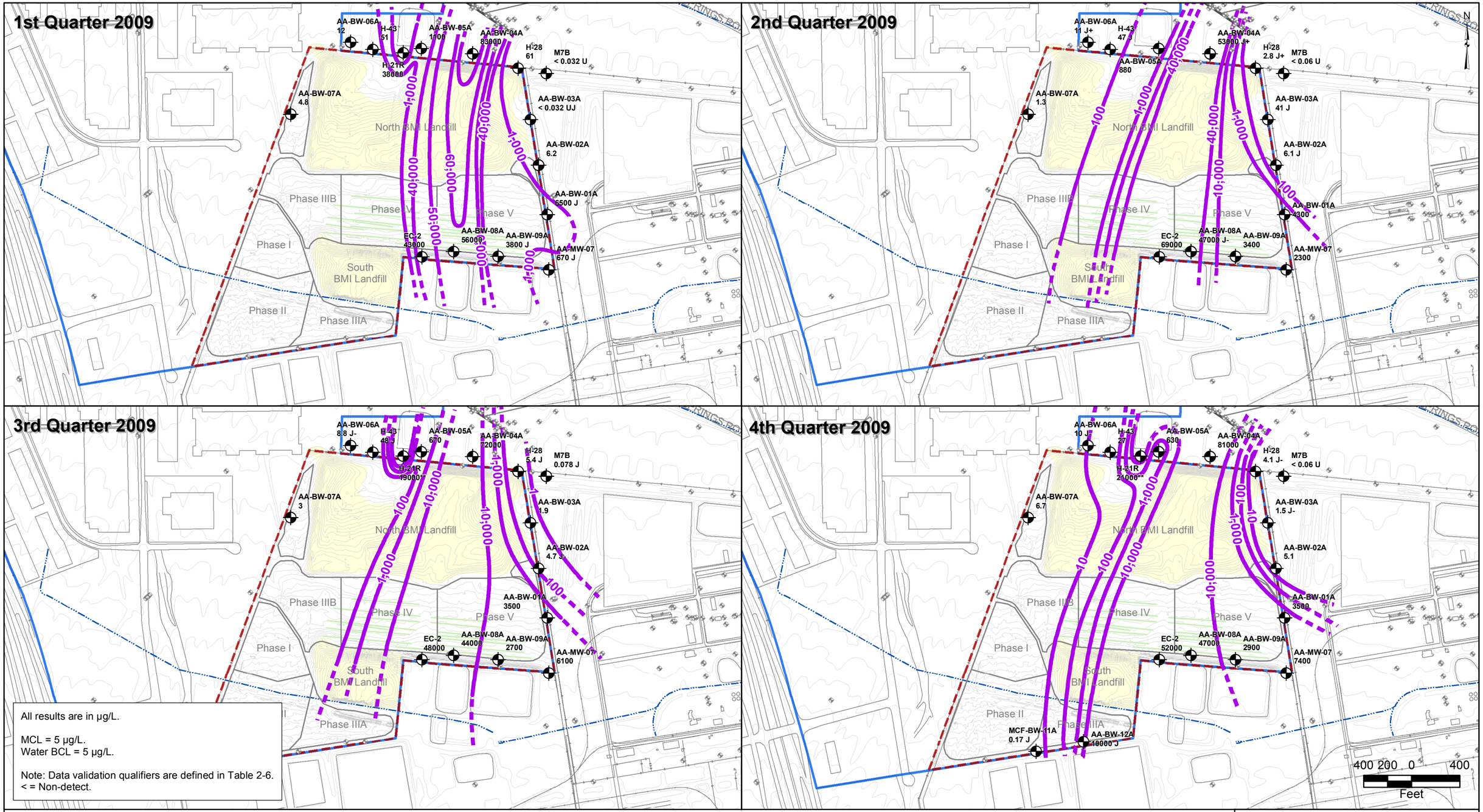
○= Non-Detect; ●= Detect



APPENDIX E

FIGURES OF 2009 CONCENTRATIONS IN SHALLOW WATER-BEARING ZONE WELLS

LIST OF FIGURES (APPENDIX E)



All results are in µg/L.

MCL = 5 µg/L.
Water BCL = 5 µg/L.

Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Wells with Data

Concentration Contour (dashed where inferred)

**Data received from the Companies for well H-21R.

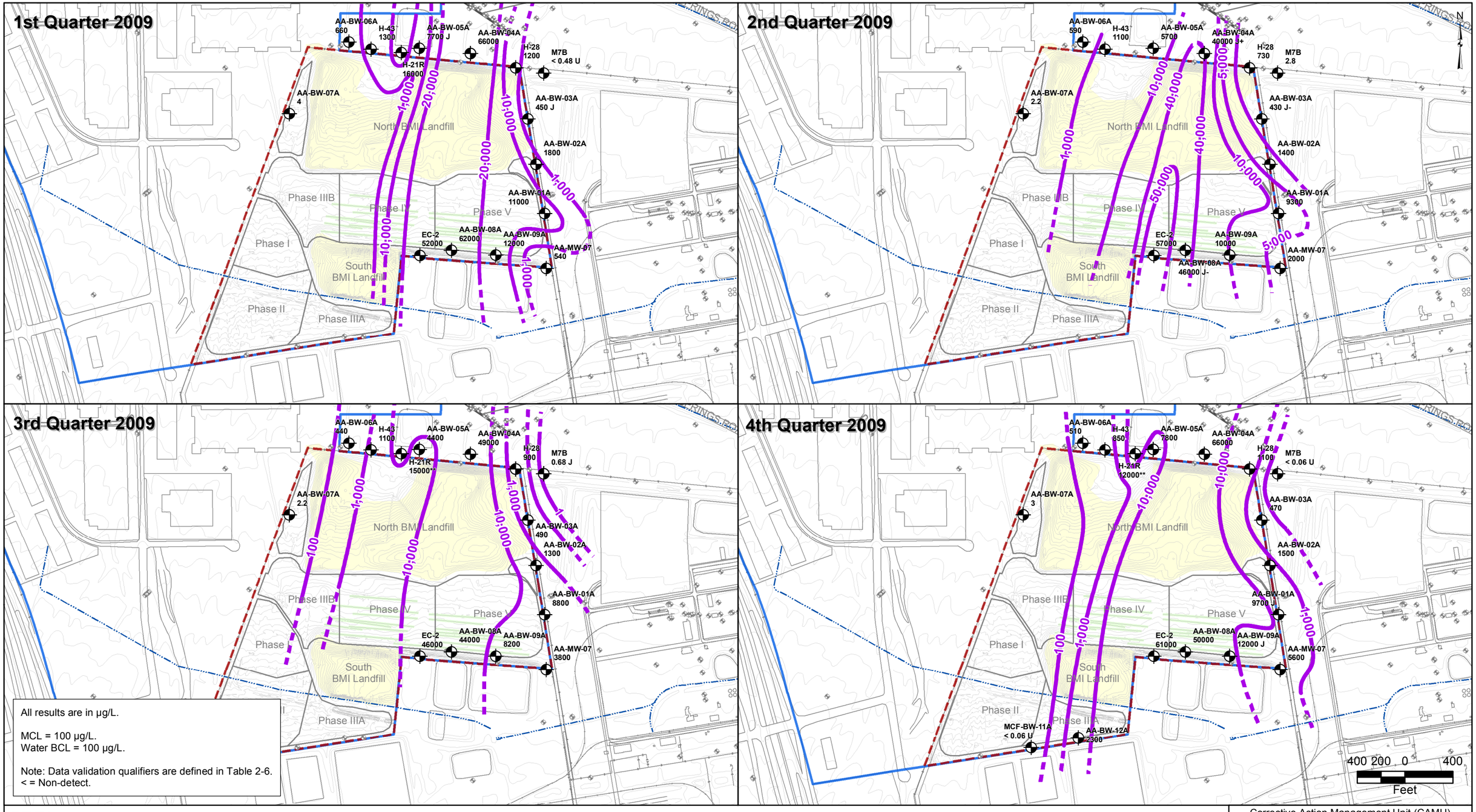
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE E-1

BENZENE
IN SHALLOW WATER-BEARING ZONE WELLS

Basic Remediation Company

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMP/FIGURES.MXD



All results are in µg/L.

MCL = 100 µg/L.
Water BCL = 100 µg/L.

Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Wells with Data

Concentration Contour (dashed where inferred)

**Data received from the Companies for well H-21R.

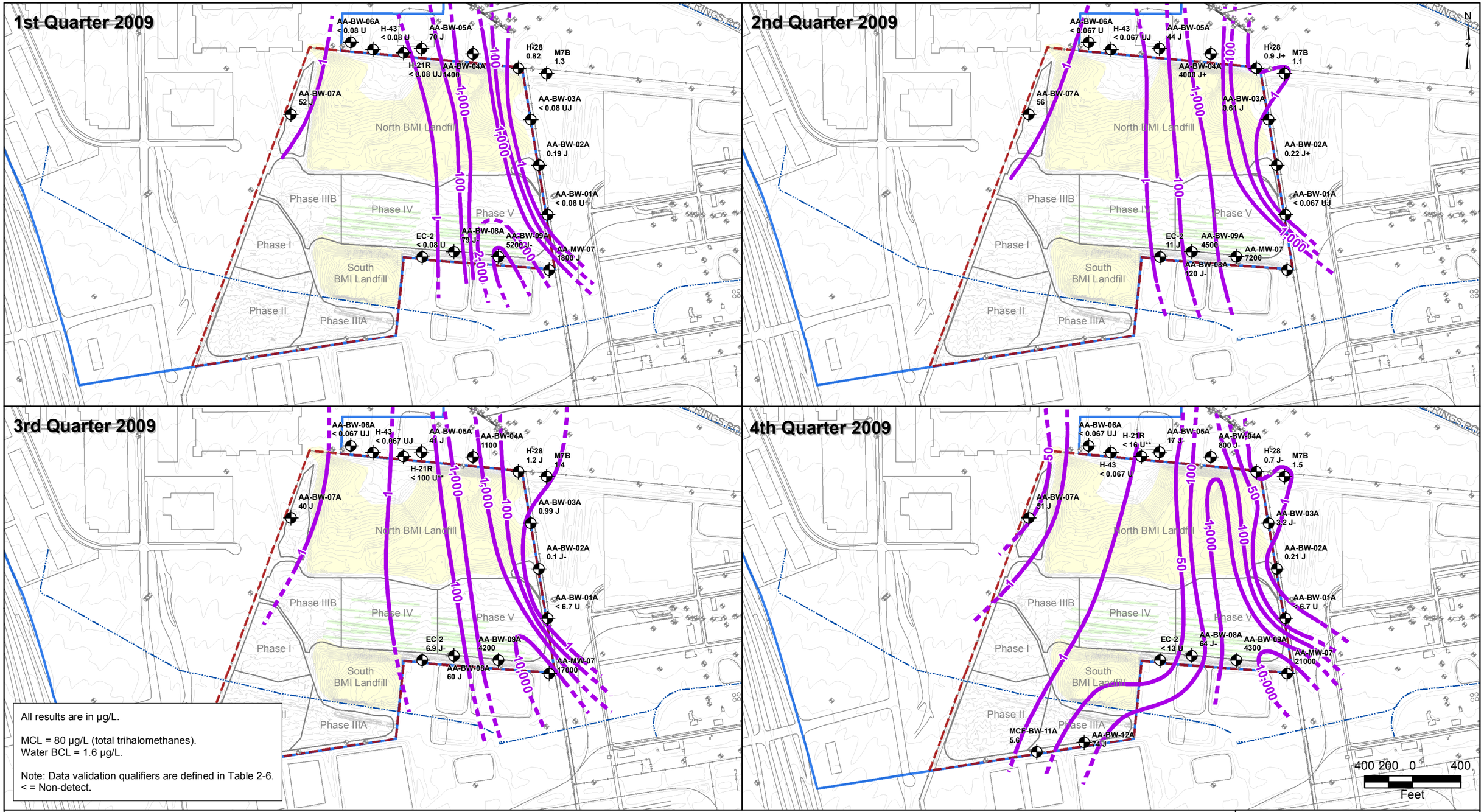
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE E-2

CHLOROBENZENE IN SHALLOW WATER-BEARING ZONE WELLS

Basic Remediation COMPANY

Prepared by		Date	JOB No. 0074742
MKJ (ERM)	ERM	03/25/10	FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



All results are in µg/L.

MCL = 80 µg/L (total trihalomethanes).
Water BCL = 1.6 µg/L.

Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Wells with Data

Concentration Contour
(dashed where inferred)

**Data received from the Companies for well H-21R.

Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE E-3

CHLOROFORM
IN SHALLOW WATER-
BEARING ZONE WELLS

Basic Remediation COMPANY

Prepared by
MKJ (ERM)

ERM

Date
03/25/10

JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD

All results are in µg/L.

MCL = 75 µg/L.
Water BCL = 75 µg/L.

Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Wells with Data

Concentration Contour (dashed where inferred)

**Data received from the Companies for well H-21R.

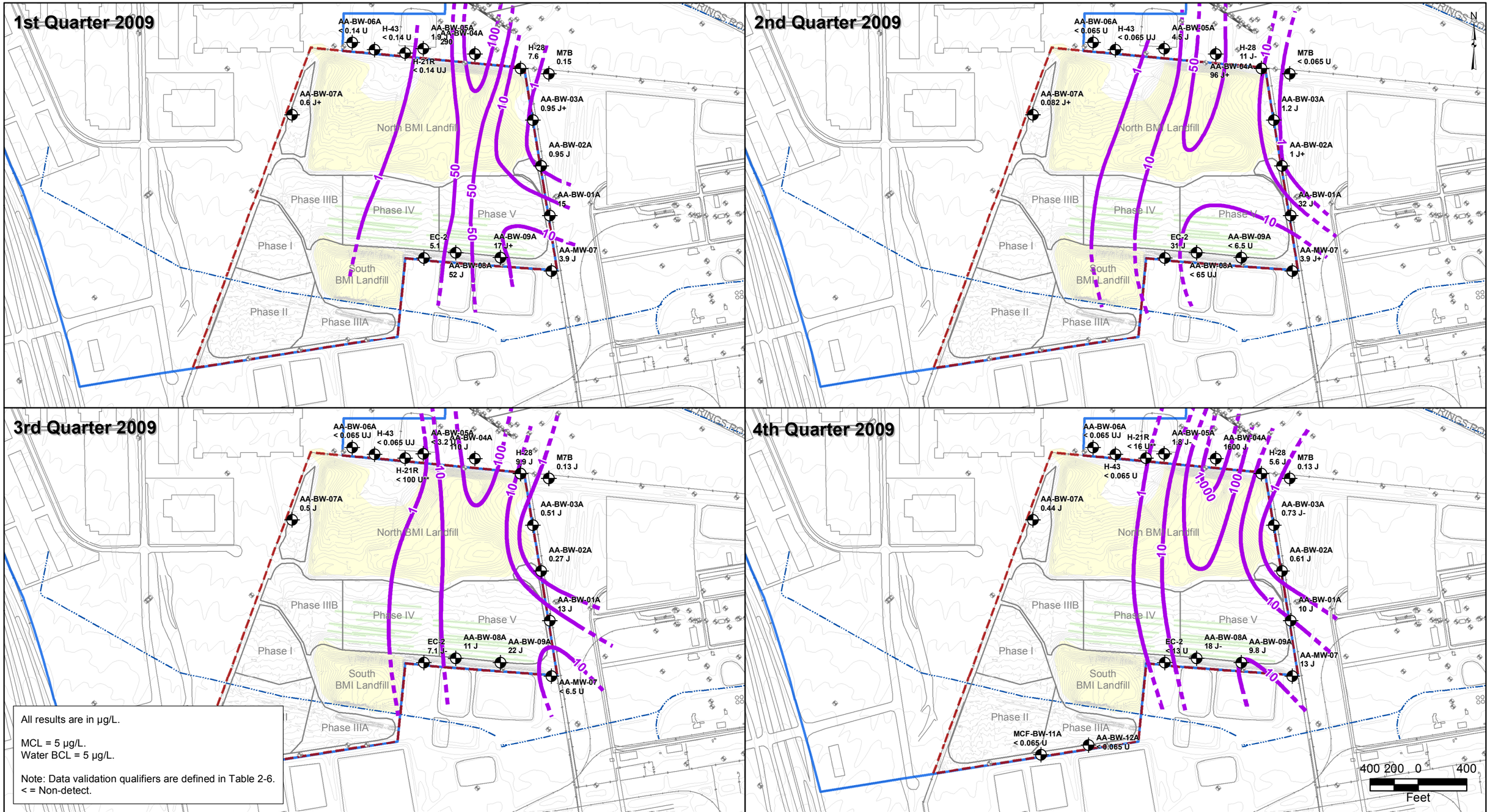
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE E-4

1,4-DICHLOROBENZENE IN SHALLOW WATER-BEARING ZONE WELLS

Basic Remediation Company

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



All results are in µg/L.

MCL = 5 µg/L.
Water BCL = 5 µg/L.

Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Wells with Data

Concentration Contour (dashed where inferred)

**Data received from the Companies for well H-21R.

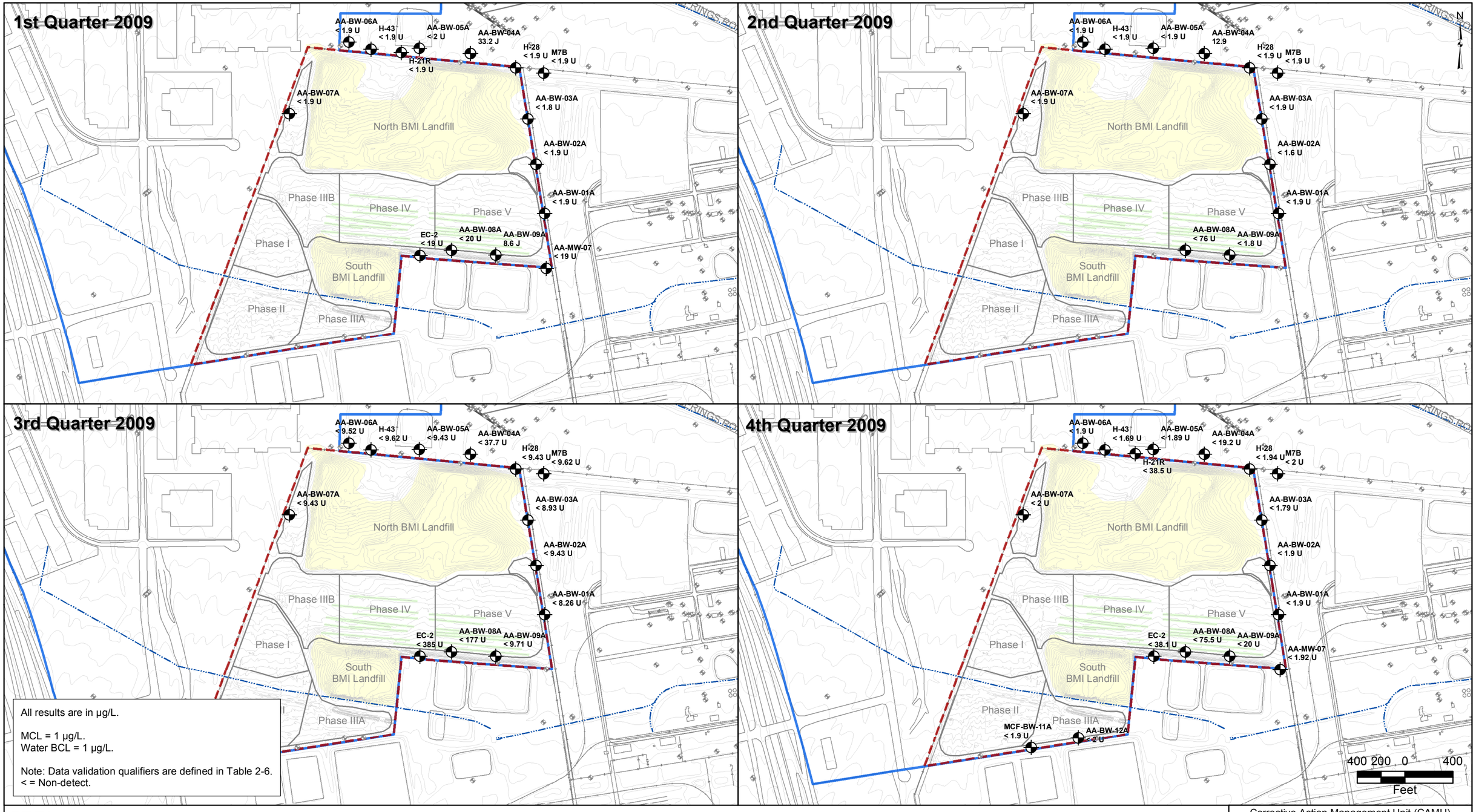
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE E-5

TETRACHLOROETHENE IN SHALLOW WATER-BEARING ZONE WELLS

Basic Remediation Company

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



All results are in µg/L.

MCL = 1 µg/L.
Water BCL = 1 µg/L.

Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.

CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Wells with Data
Concentration Contour (dashed where inferred)

Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

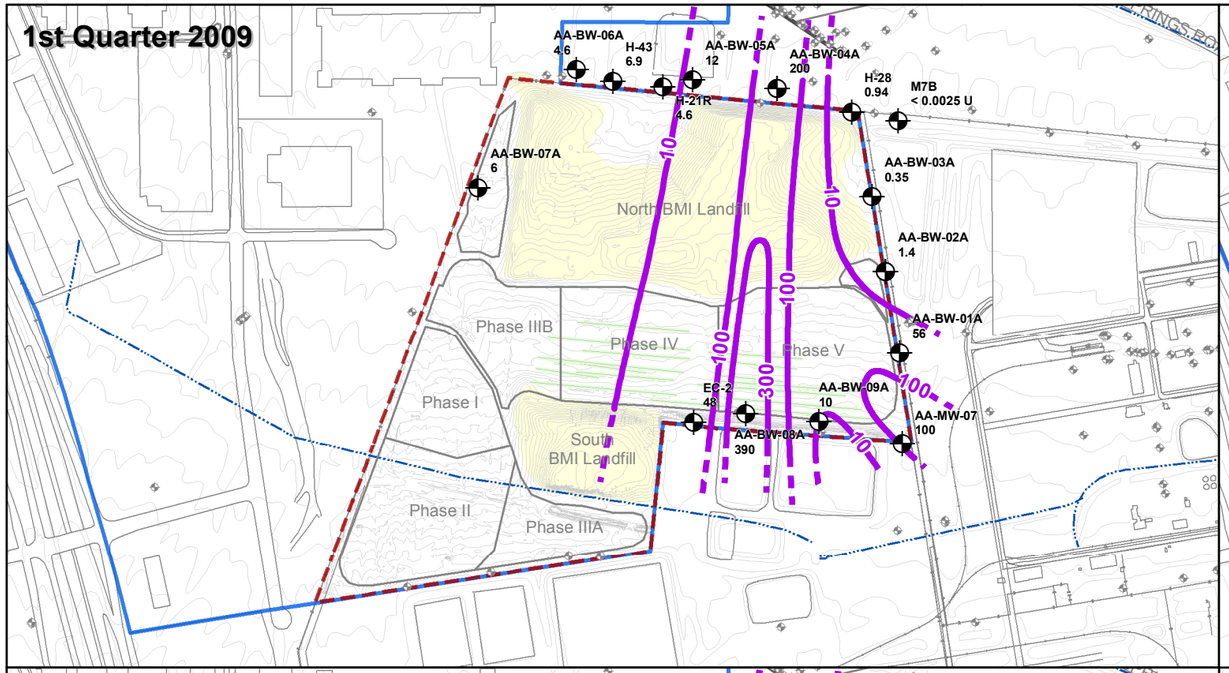
FIGURE E-6

PENTACHLOROPHENOL IN SHALLOW WATER-BEARING ZONE WELLS

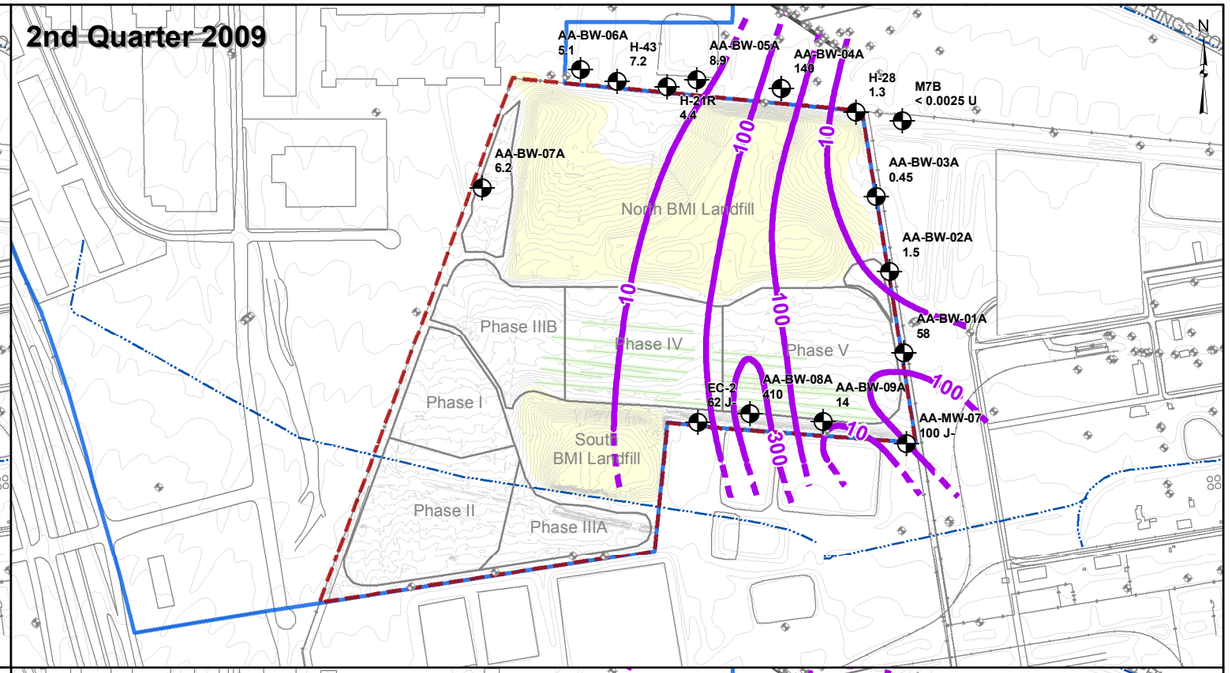
Basic Remediation COMPANY

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD

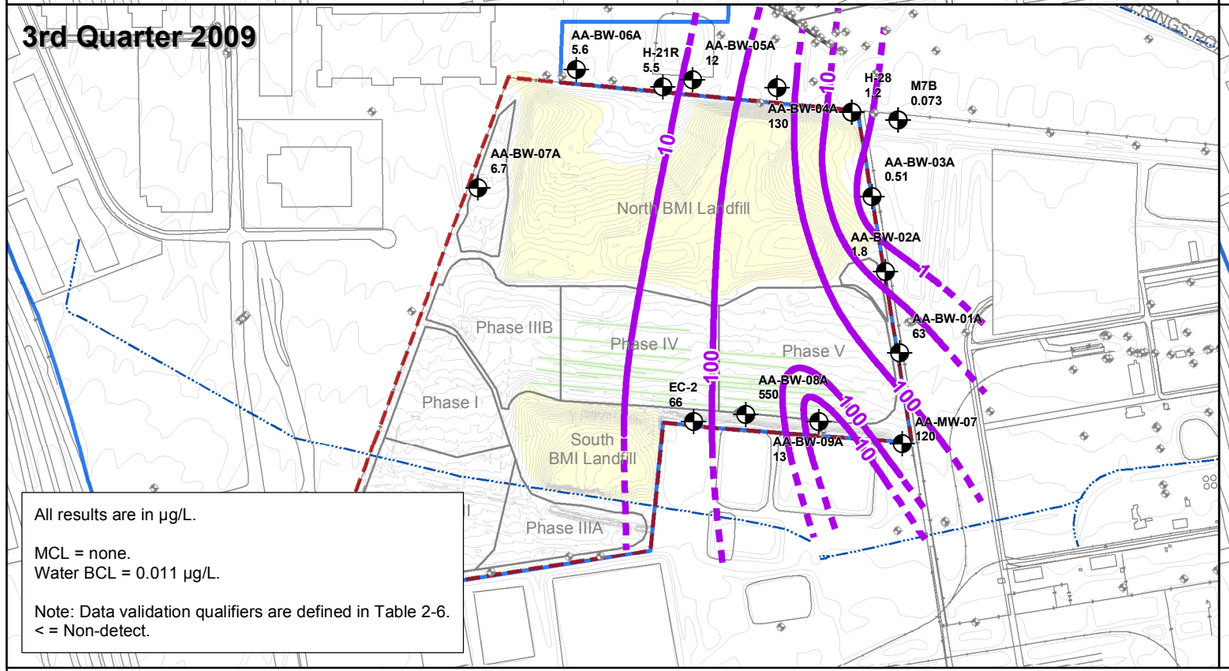
1st Quarter 2009



2nd Quarter 2009



3rd Quarter 2009

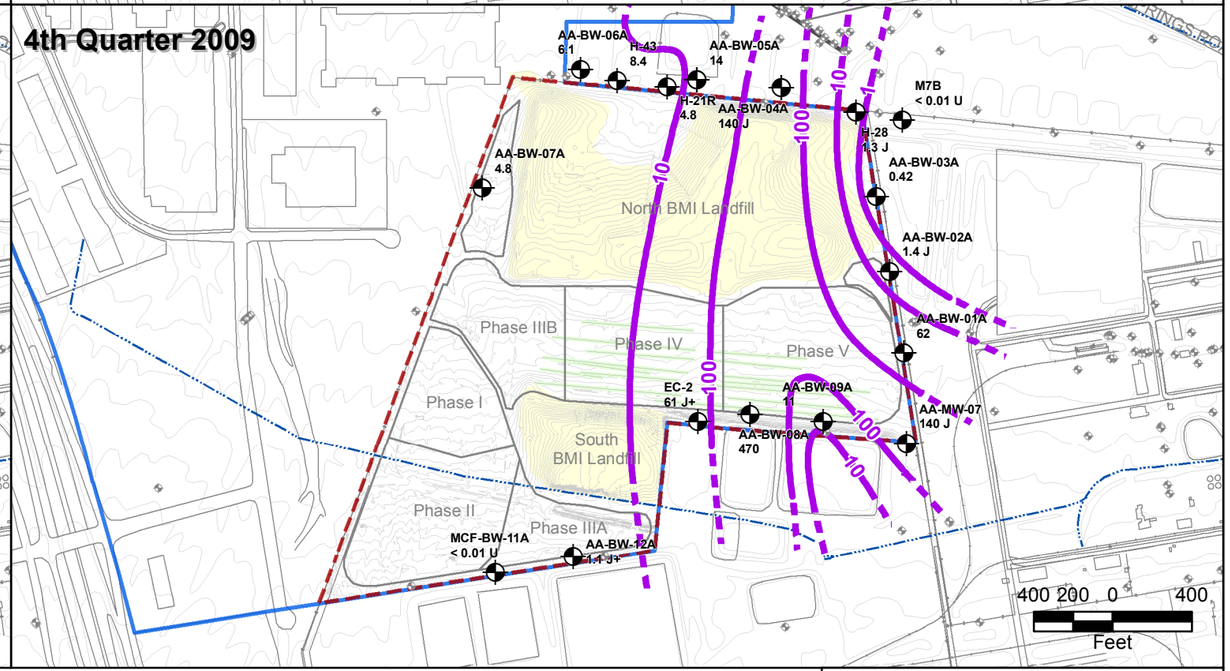


All results are in µg/L.

MCL = none.
Water BCL = 0.011 µg/L.

Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.

4th Quarter 2009



CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Wells with Data
Concentration Contour (dashed where inferred)

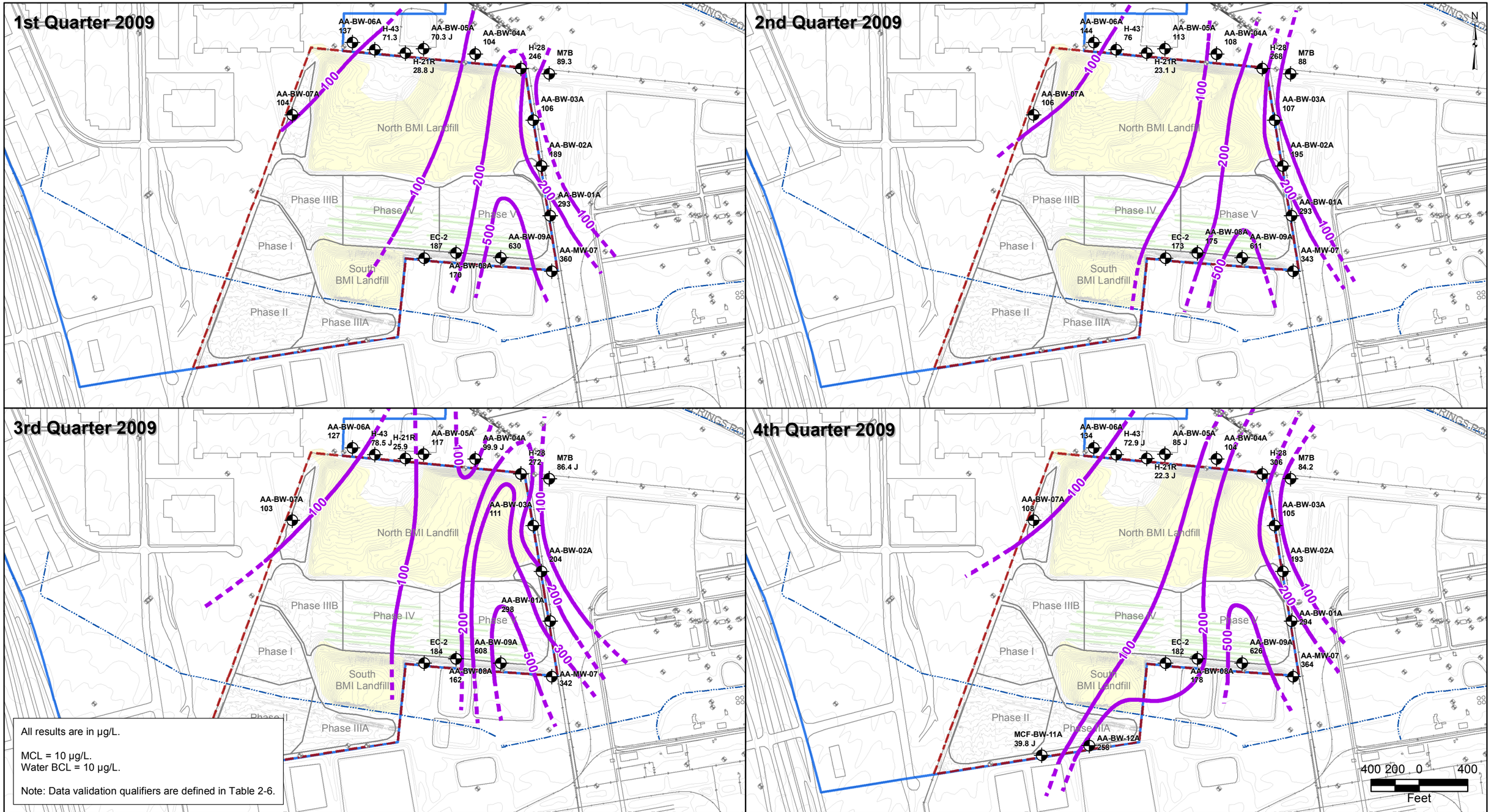
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE E-7

alpha-BHC
IN SHALLOW WATER-BEARING ZONE WELLS

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0074742
MKJ (ERM)	03/25/10	FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



All results are in µg/L.

MCL = 10 µg/L.
Water BCL = 10 µg/L.

Note: Data validation qualifiers are defined in Table 2-6.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Wells with Data

Concentration Contour (dashed where inferred)

Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

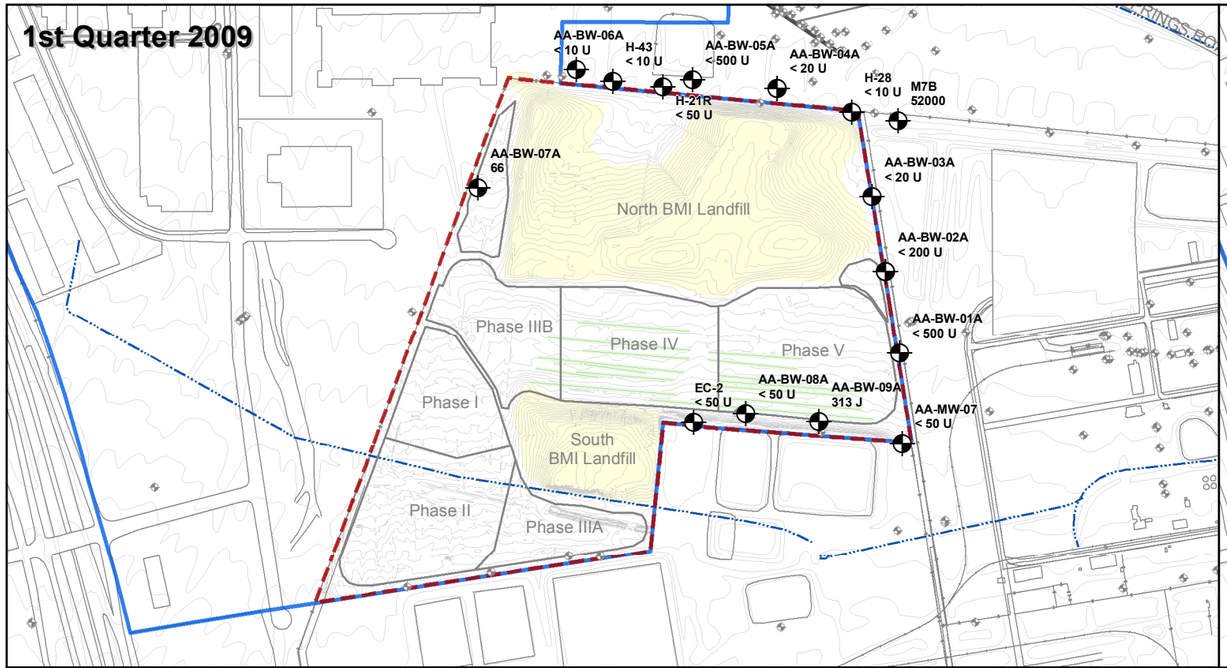
FIGURE E-8

ARSENIC
IN SHALLOW WATER-
BEARING ZONE WELLS

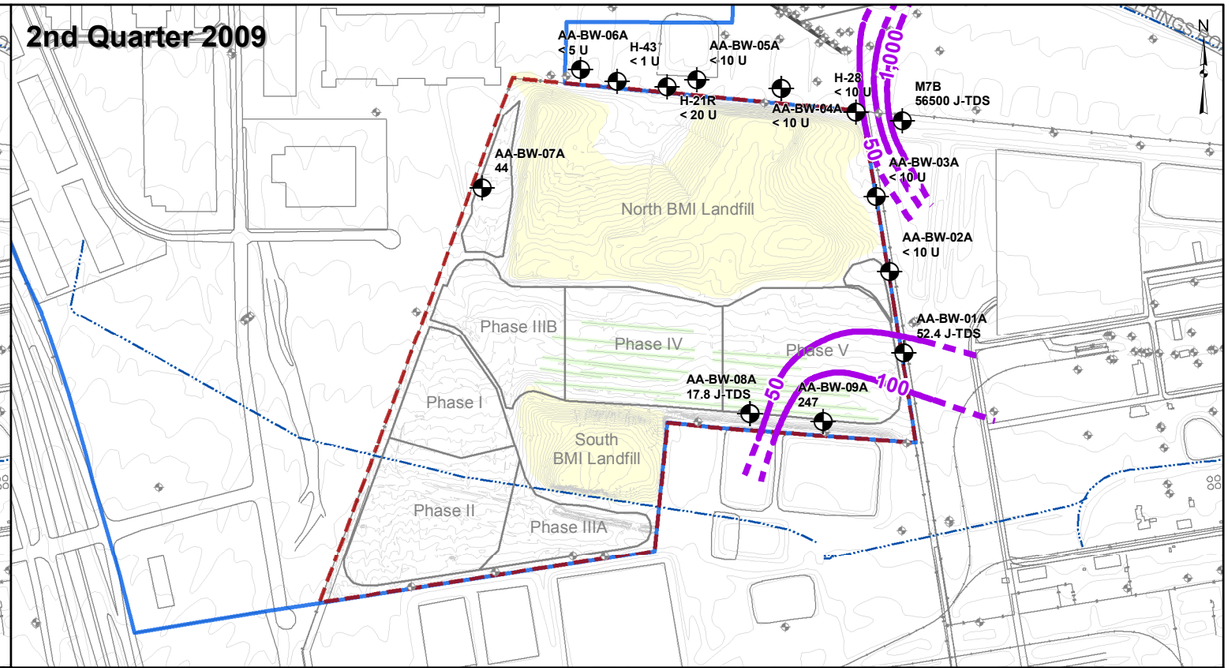
Basic Remediation Company

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD

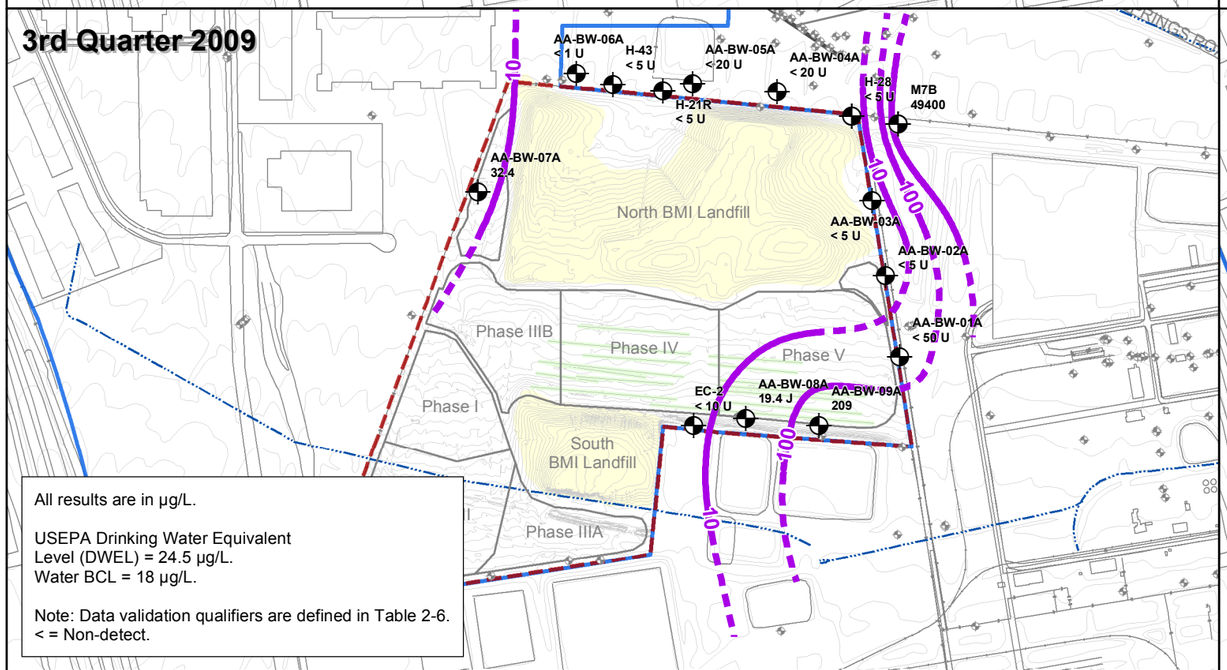
1st Quarter 2009



2nd Quarter 2009



3rd Quarter 2009

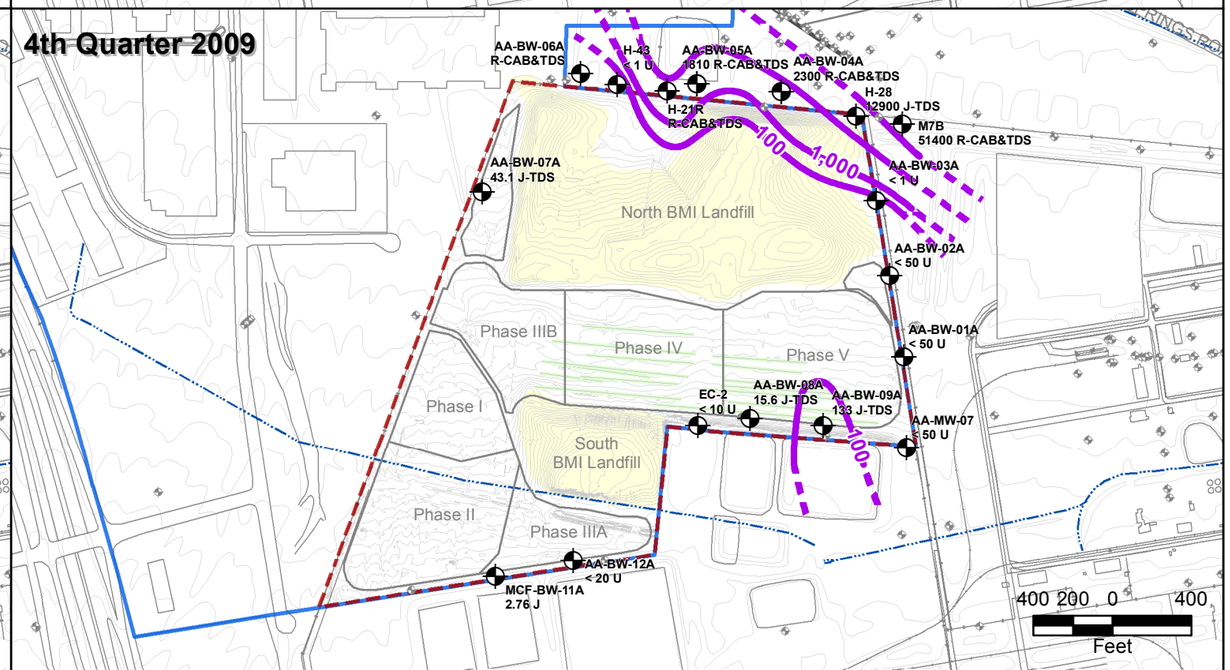


All results are in µg/L.

USEPA Drinking Water Equivalent
Level (DWEL) = 24.5 µg/L.
Water BCL = 18 µg/L.

Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.

4th Quarter 2009



CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Wells with Data
Concentration Contour (dashed where inferred)

Note: The contours on this figure employ reported values that were in some cases rejected based on cation/anion balance issues. In response to BRC's observation that the perchlorate results for several wells were anomalous during this quarter, BRC asked the laboratory to review the analytical results. The laboratory re-ran the samples and while the results were confirmed, it was more apparent that there were matrix interferences. The laboratory indicated that it is clear that the identified peak is not perchlorate. Based on these findings, BRC considers the 4th Quarter perchlorate data unreliable.

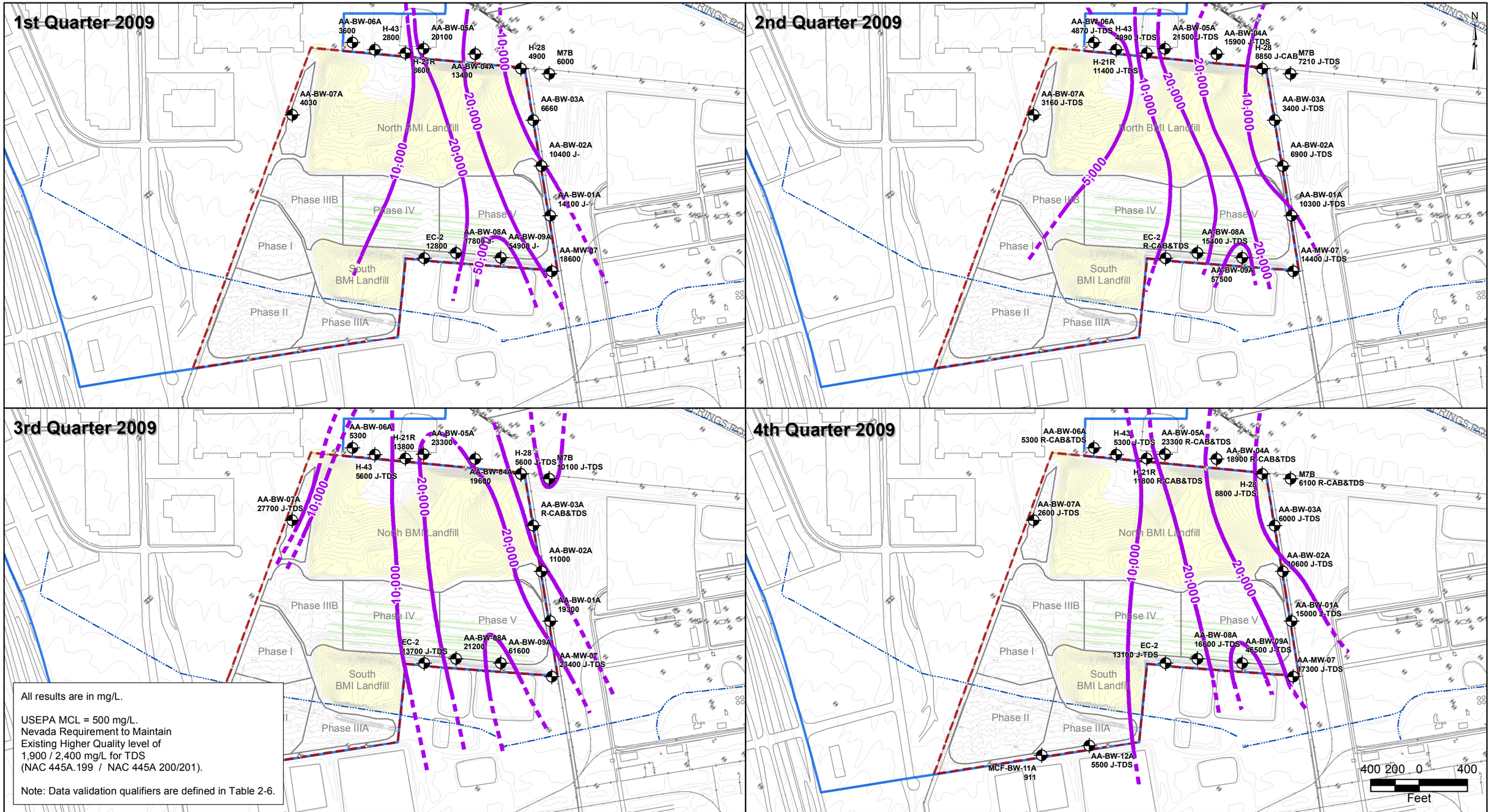
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE E-9

PERCHLORATE IN SHALLOW WATER-BEARING ZONE WELLS

Basic Remediation Company

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



All results are in mg/L.

USEPA MCL = 500 mg/L.
Nevada Requirement to Maintain
Existing Higher Quality level of
1,900 / 2,400 mg/L for TDS
(NAC 445A.199 / NAC 445A 200/201).

Note: Data validation qualifiers are defined in Table 2-6.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Wells with Data

Concentration Contour
(dashed where inferred)

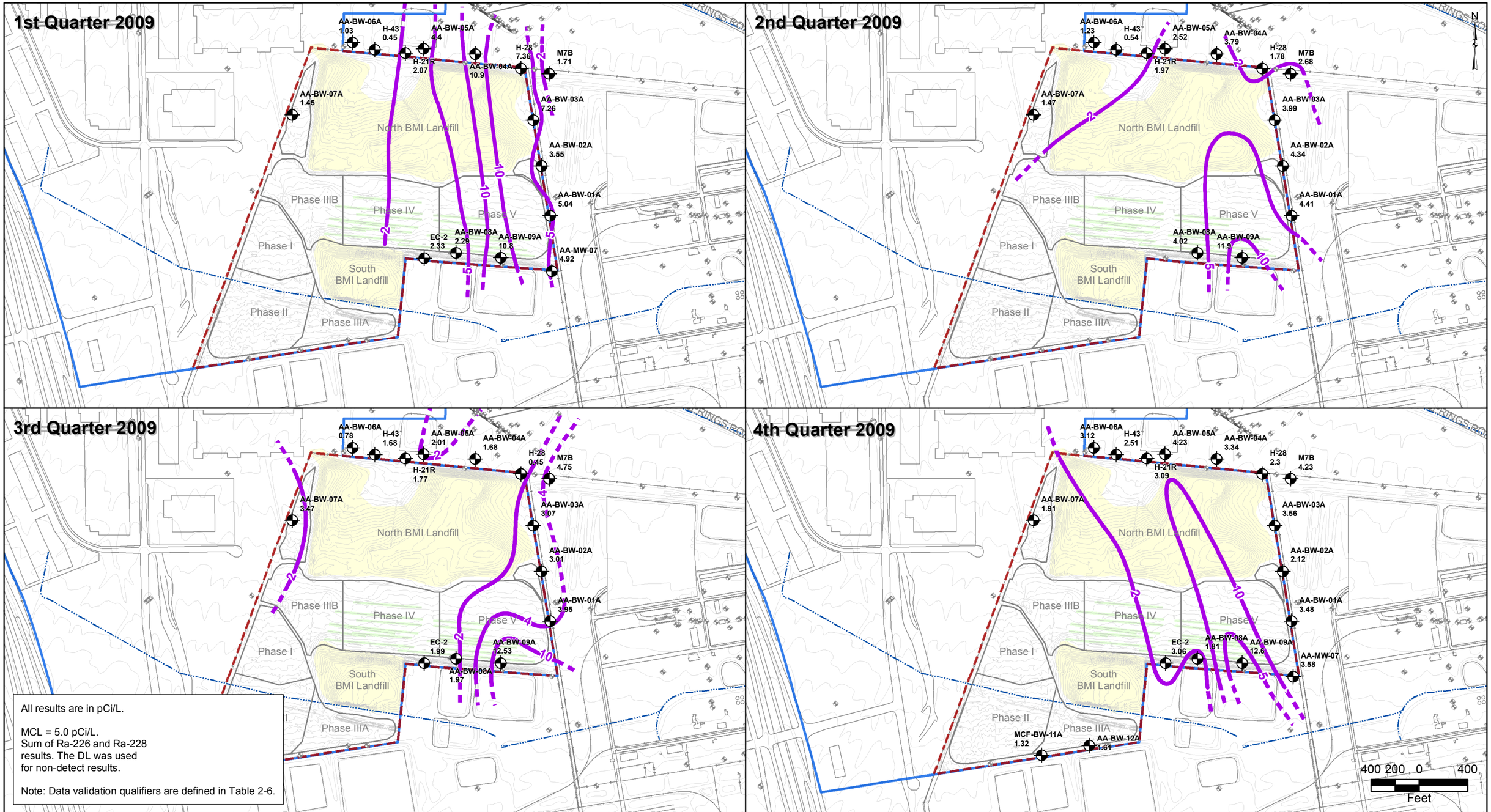
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE E-10

TOTAL DISSOLVED SOLIDS
IN SHALLOW WATER-
BEARING ZONE WELLS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



All results are in pCi/L.

MCL = 5.0 pCi/L.
Sum of Ra-226 and Ra-228 results. The DL was used for non-detect results.

Note: Data validation qualifiers are defined in Table 2-6.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Wells with Data

Concentration Contour (dashed where inferred)

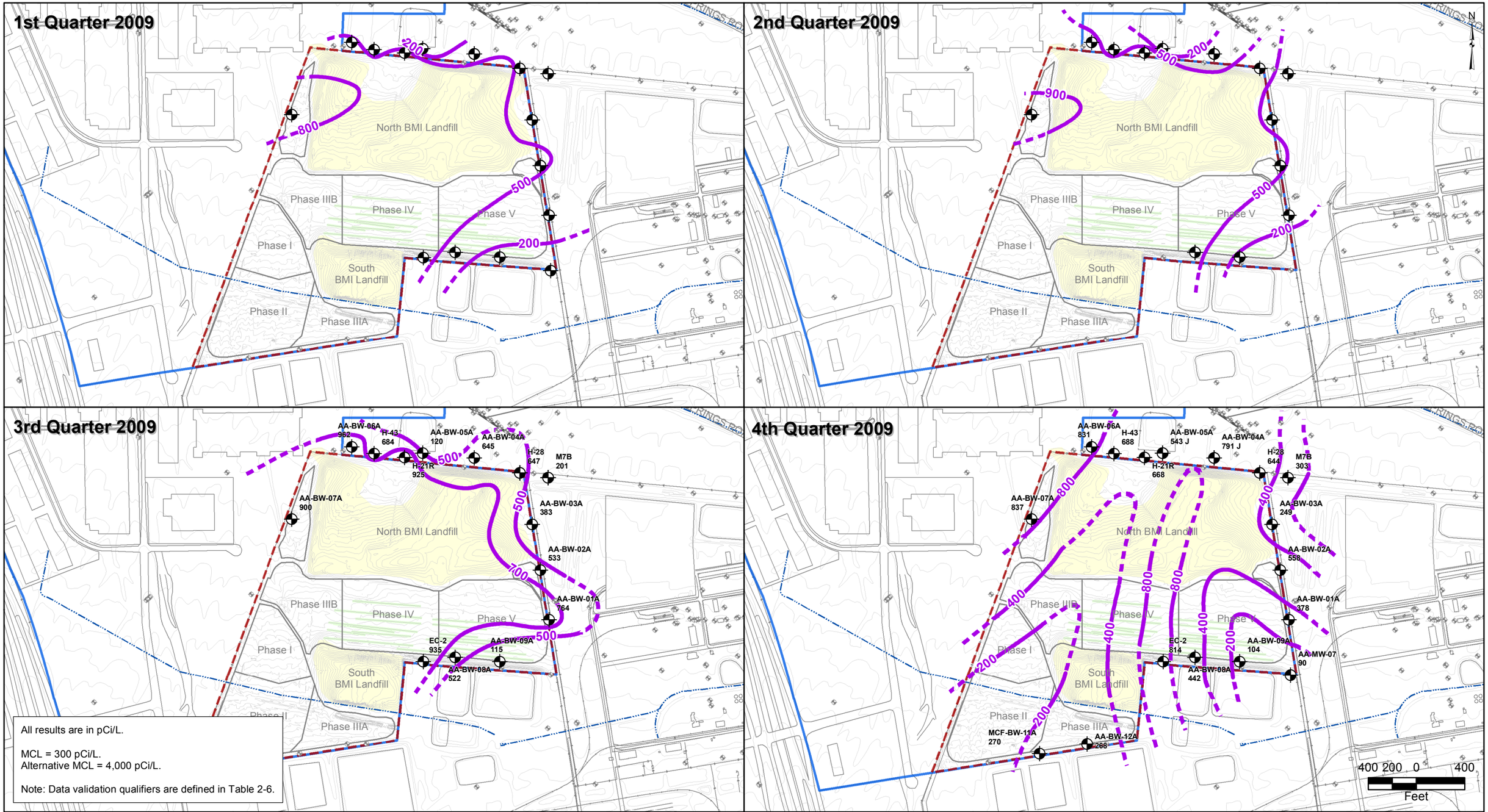
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE E-11

RADIUM-226/228 IN SHALLOW WATER-BEARING ZONE WELLS

Basic Remediation Company

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



All results are in pCi/L.

MCL = 300 pCi/L.
Alternative MCL = 4,000 pCi/L.

Note: Data validation qualifiers are defined in Table 2-6.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Wells with Data

Concentration Contour (dashed where inferred)

Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE E-12

RADON-222
IN SHALLOW WATER-BEARING ZONE WELLS

Basic Remediation Company

Prepared by MKJ (ERM) | Date 03/25/10 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD